

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP022824\
 Data File : BP019928.D
 Acq On : 28 Feb 2024 21:43
 Operator : MA/JU
 Sample : P1602-01
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 WC-1

Integration Parameters: rteint.p

Integrator: RTE

Smoothing : ON

Filtering: 5

Sampling : 1

Min Area: 3 % of largest Peak

Start Thrs: 0.2

Max Peaks: 100

Stop Thrs : 0

Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >

Peak separation: 5

Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP022624.M

Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BP019928.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	5.469	398	405	416	rBV	1169032	1792856	24.59%	2.522%
2	7.075	669	678	695	rBV	1176931	1966567	26.97%	2.766%
3	7.316	713	719	726	rBV2	58946	95330	1.31%	0.134%
4	7.899	810	818	827	rBV	463219	743003	10.19%	1.045%
5	9.075	1009	1018	1031	rBV	732147	1283394	17.60%	1.805%
6	10.704	1282	1295	1299	rBV	564705	993597	13.63%	1.398%
7	10.752	1299	1303	1310	rVB	342747	586618	8.05%	0.825%
8	12.369	1571	1578	1585	rBV	180853	302814	4.15%	0.426%
9	12.587	1608	1615	1623	rVB	157185	269132	3.69%	0.379%
10	13.169	1707	1714	1726	rBV	1904735	2816961	38.64%	3.962%
11	13.381	1744	1750	1761	rBV	66023	111445	1.53%	0.157%
12	13.710	1799	1806	1807	rBV	71992	105945	1.45%	0.149%
13	13.863	1825	1832	1838	rBV	154332	304365	4.17%	0.428%
14	13.922	1838	1842	1849	rVB	87743	136681	1.87%	0.192%
15	14.104	1868	1873	1876	rBV2	67666	98142	1.35%	0.138%
16	14.269	1892	1901	1910	rBV	84467	161609	2.22%	0.227%
17	14.545	1939	1948	1954	rBV	796990	1302409	17.86%	1.832%
18	14.610	1954	1959	1968	rVB	584311	867914	11.90%	1.221%
19	14.757	1978	1984	1992	rBV3	43021	109573	1.50%	0.154%
20	14.945	2011	2016	2025	rVV	384399	591424	8.11%	0.832%
21	15.163	2048	2053	2059	rBV2	41449	78294	1.07%	0.110%
22	15.340	2074	2083	2086	rBV2	42047	86224	1.18%	0.121%
23	15.598	2121	2127	2138	rBV	760410	1155612	15.85%	1.625%
24	15.763	2151	2155	2159	rVB	85144	113135	1.55%	0.159%
25	15.892	2173	2177	2184	rVB	170401	242897	3.33%	0.342%
26	16.045	2197	2203	2211	rVB	1616790	2440126	33.47%	3.432%
27	16.287	2238	2244	2249	rVB5	59422	113888	1.56%	0.160%
28	16.610	2290	2299	2303	rBV3	137304	288517	3.96%	0.406%
29	16.657	2304	2307	2313	rVB2	57454	80221	1.10%	0.113%
30	16.839	2330	2338	2341	rBV2	76272	150640	2.07%	0.212%
31	16.881	2342	2345	2349	rVB3	64982	79632	1.09%	0.112%
32	16.969	2355	2360	2366	rVB	215035	313322	4.30%	0.441%
33	17.039	2368	2372	2379	rBV	77236	160551	2.20%	0.226%
34	17.128	2382	2387	2395	rVB	233978	357898	4.91%	0.503%
35	17.310	2413	2418	2421	rBV	770854	1178404	16.16%	1.657%
36	17.363	2421	2427	2433	rVV	4705599	7015151	96.22%	9.867%

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP022824\
 Data File : BP019928.D
 Acq On : 28 Feb 2024 21:43
 Operator : MA/JU
 Sample : P1602-01
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 WC-1

Integration Parameters: rteint.p
 Integrator: RTE
 Smoothing : ON Filtering: 5
 Sampling : 1 Min Area: 3 % of largest Peak
 Start Thrs: 0.2 Max Peaks: 100
 Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
 Peak separation: 5

Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP022624.M
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

37	17.451	2433	2442	2447	rVV	1261379	1922668	26.37%	2.704%
38	17.510	2447	2452	2457	rVB2	60669	124807	1.71%	0.176%
39	17.722	2480	2488	2499	rBV2	356981	716237	9.82%	1.007%
40	17.834	2503	2507	2512	rVV4	89612	143738	1.97%	0.202%
41	17.898	2514	2518	2525	rVB5	71034	147848	2.03%	0.208%
42	18.181	2561	2566	2569	rBV	455976	669670	9.19%	0.942%
43	18.228	2569	2574	2580	rVV	645718	1130864	15.51%	1.591%
44	18.310	2584	2588	2592	rVB	264466	353566	4.85%	0.497%
45	18.369	2592	2598	2602	rBV2	772494	1283929	17.61%	1.806%
46	18.404	2602	2604	2610	rVB	280784	338549	4.64%	0.476%
47	18.669	2645	2649	2653	rVB	361700	452703	6.21%	0.637%
48	18.716	2653	2657	2663	rBV	316359	422362	5.79%	0.594%
49	18.904	2686	2689	2693	rVB3	81559	110989	1.52%	0.156%
50	19.069	2713	2717	2720	rBV	170497	259351	3.56%	0.365%
51	19.210	2739	2741	2749	rVB2	184952	294488	4.04%	0.414%
52	19.333	2756	2762	2767	rBV	5326930	7290822	100.00%	10.255%
53	19.428	2775	2778	2783	rVB3	90343	162443	2.23%	0.228%
54	19.657	2812	2817	2818	rBV2	869047	1180168	16.19%	1.660%
55	19.686	2818	2822	2829	rVV	4040186	5438816	74.60%	7.650%
56	19.751	2830	2833	2839	rVB2	207126	297496	4.08%	0.418%
57	19.880	2848	2855	2859	rBV2	2326608	3062559	42.01%	4.308%
58	19.922	2859	2862	2867	rVB	223081	297745	4.08%	0.419%
59	19.998	2870	2875	2881	rBV2	252321	611413	8.39%	0.860%
60	20.169	2901	2904	2909	rVB	695861	854039	11.71%	1.201%
61	20.263	2917	2920	2924	rBV	520352	643596	8.83%	0.905%
62	20.904	3026	3029	3038	rVB	329534	577544	7.92%	0.812%
63	21.063	3053	3056	3060	rBV3	298295	414040	5.68%	0.582%
64	21.104	3060	3063	3065	rVV	283100	292924	4.02%	0.412%
65	21.410	3110	3115	3120	rBV3	2530438	4578469	62.80%	6.440%
66	21.457	3120	3123	3134	rVB	2084667	2705192	37.10%	3.805%
67	23.121	3400	3406	3411	rBV	1275644	3207153	43.99%	4.511%
68	23.751	3508	3513	3520	rVB	1367271	2616801	35.89%	3.681%

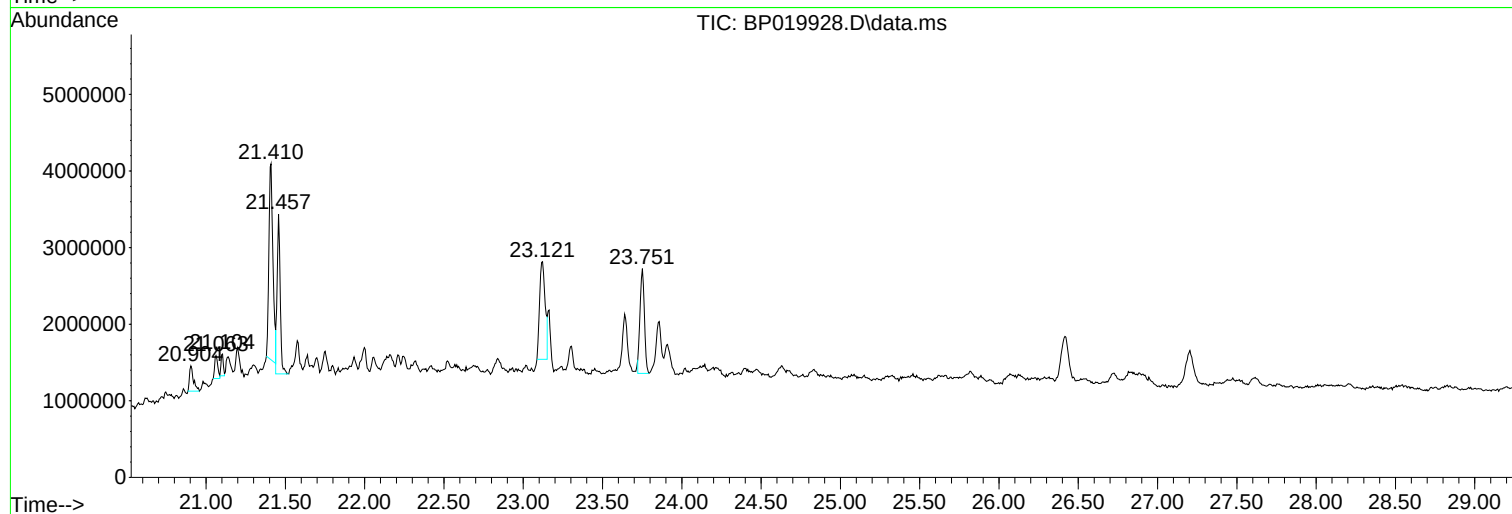
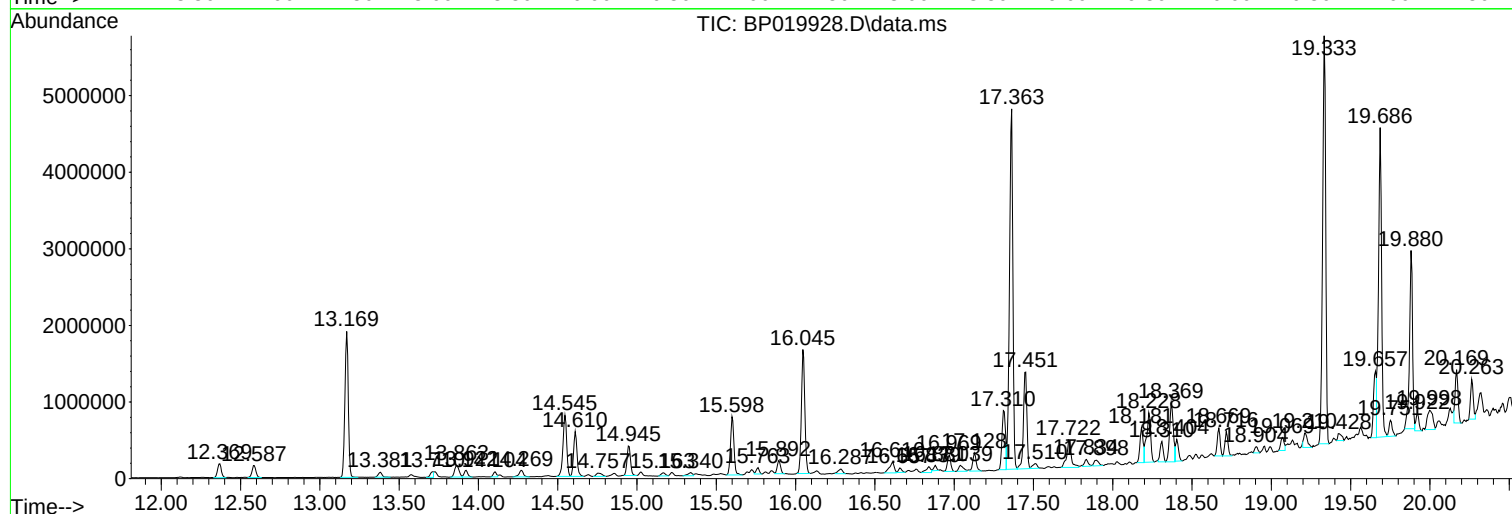
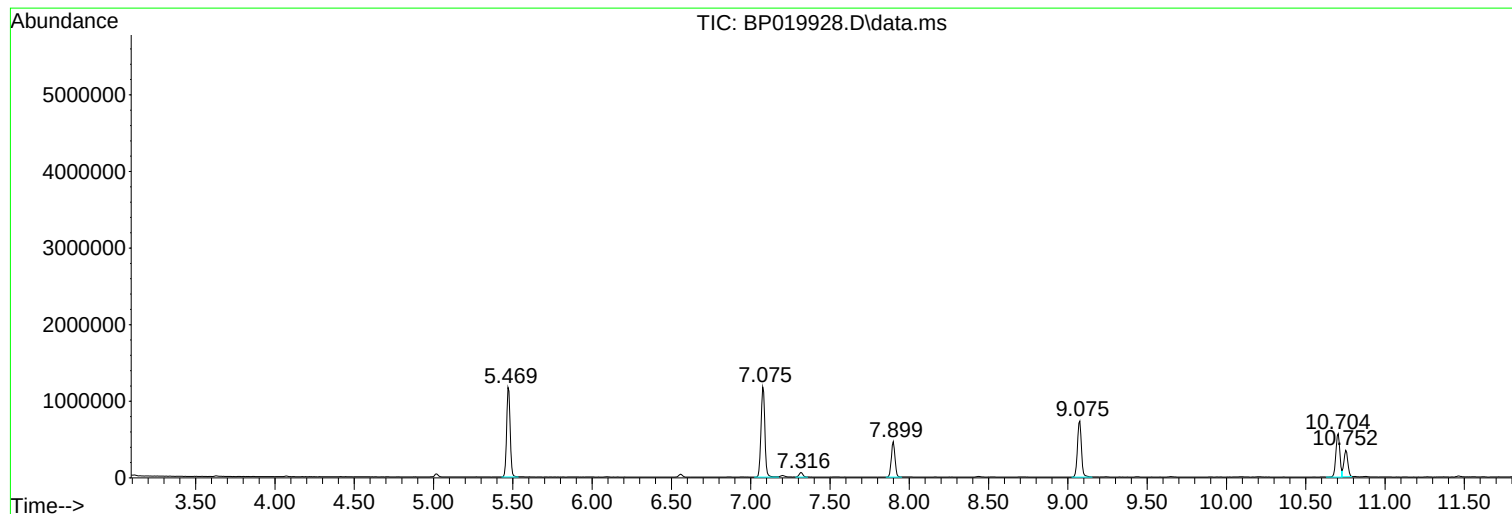
Sum of corrected areas: 71097280

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP022824\
Data File : BP019928.D
Acq On : 28 Feb 2024 21:43
Operator : MA/JU
Sample : P1602-01
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
WC-1

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP022624.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP022824\
Data File : BP019928.D
Acq On : 28 Feb 2024 21:43
Operator : MA/JU
Sample : P1602-01
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
WC-1

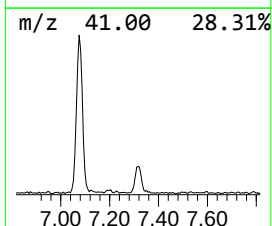
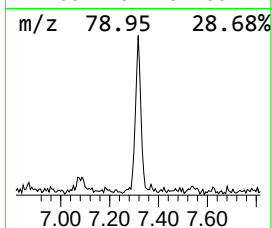
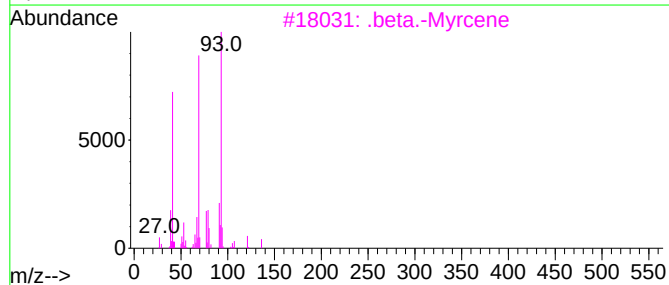
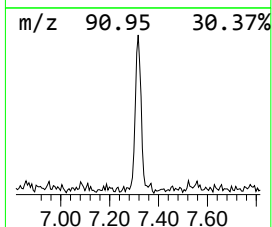
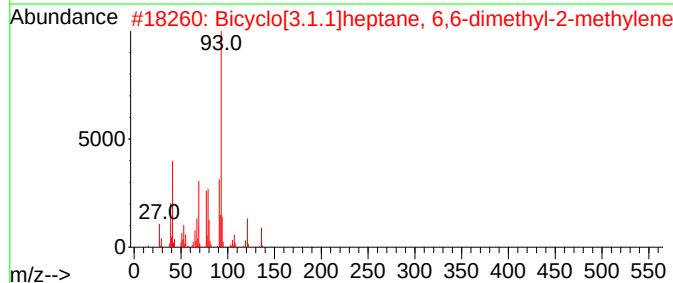
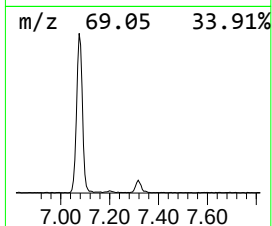
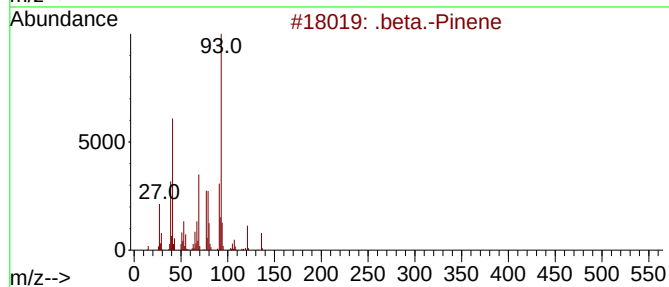
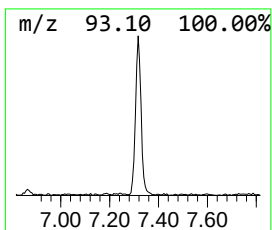
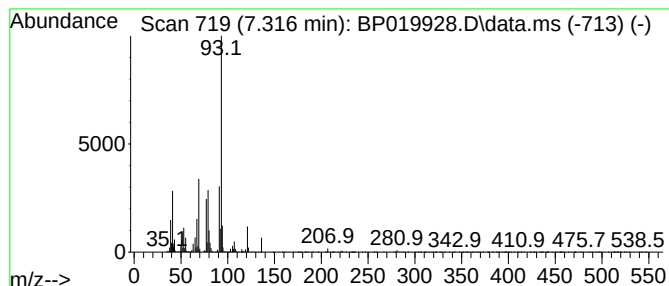
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP022624.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 1 .beta.-Pinene Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.316	2.57 ng	95330	1,4-Dichlorobenzene-d4	7.899

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	.		.beta.-Pinene	136	C10H16	000127-91-3	97
2	Bicyclo[3.1.1]heptane, 6,6-dimet...			136	C10H16	018172-67-3	95
3	.beta.-Myrcene			136	C10H16	000123-35-3	87
4	Cyclohexane, 1-methylene-4-(1-me...			136	C10H16	000499-97-8	87
5	(1R)-2,6,6-Trimethylbicyclo[3.1....			136	C10H16	007785-70-8	87



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP022824\
Data File : BP019928.D
Acq On : 28 Feb 2024 21:43
Operator : MA/JU
Sample : P1602-01
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
WC-1

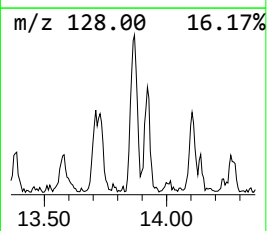
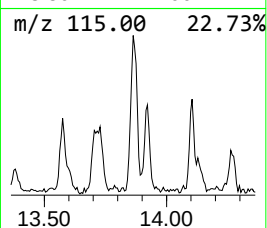
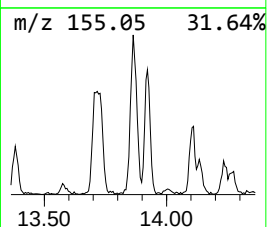
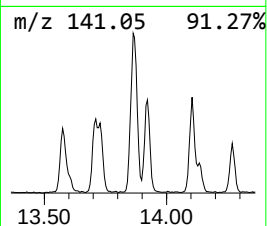
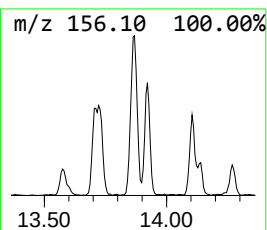
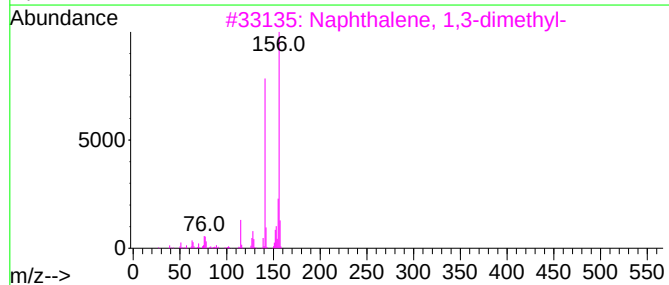
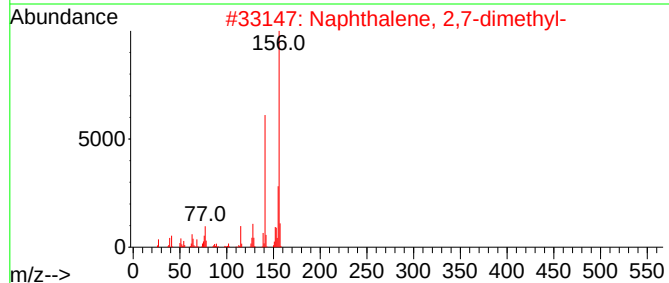
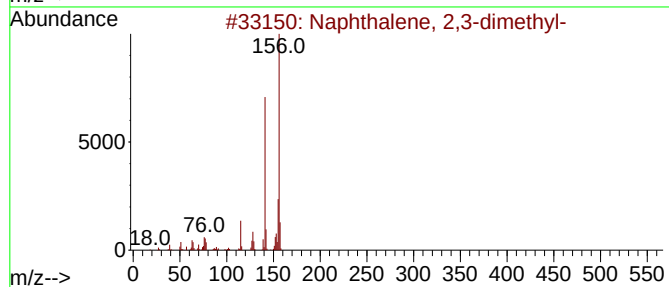
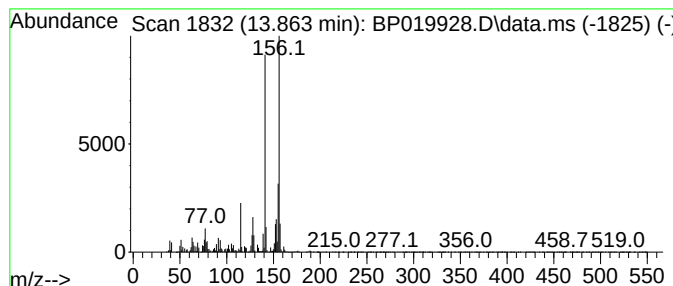
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP022624.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 2 Naphthalene, 2,3-dimethyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.863	4.67 ng	304365	Acenaphthene-d10	14.546

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	97
2			Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	96
3			Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	96
4			Naphthalene, 1,5-dimethyl-	156	C12H12	000571-61-9	95
5			Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	95



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP022824\
Data File : BP019928.D
Acq On : 28 Feb 2024 21:43
Operator : MA/JU
Sample : P1602-01
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
WC-1

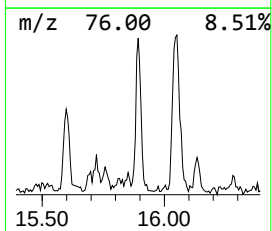
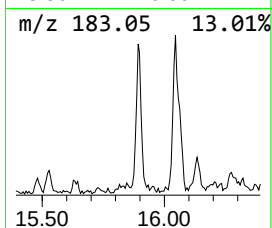
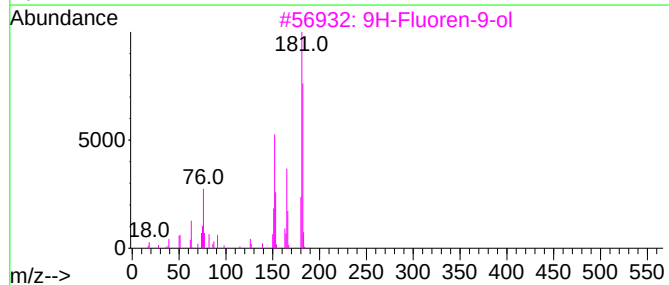
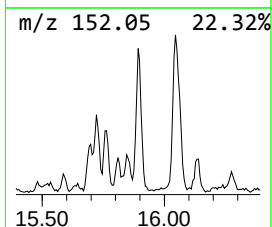
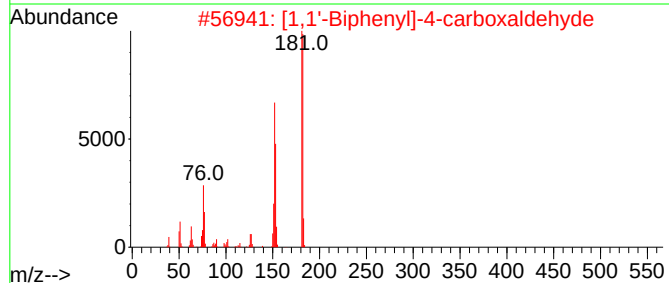
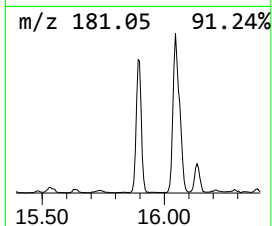
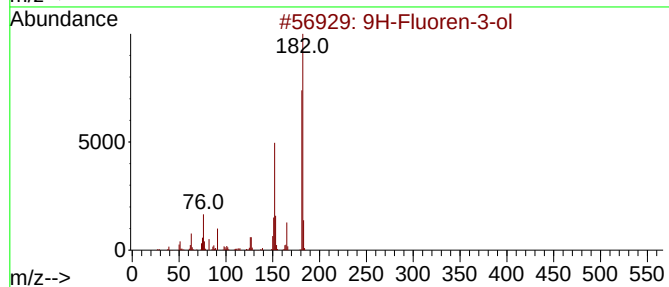
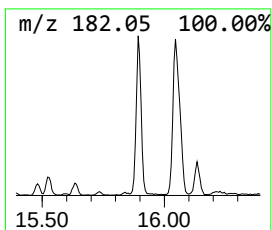
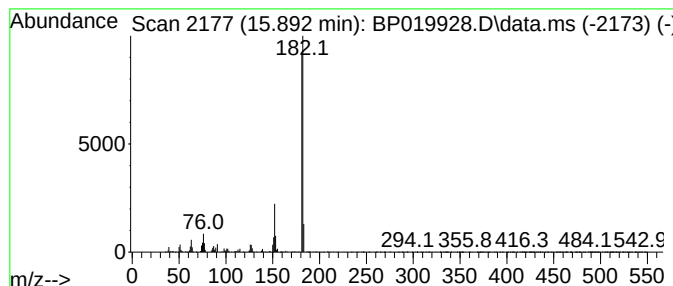
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP022624.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 3 9H-Fluoren-3-ol Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.892	3.73 ng	242897	Acenaphthene-d10	14.546

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		9H-Fluoren-3-ol	182	C13H10O	006344-67-8	91
2		[1,1'-Biphenyl]-4-carboxaldehyde	182	C13H10O	003218-36-8	90
3		9H-Fluoren-9-ol	182	C13H10O	001689-64-1	78
4		2,4,6-Cycloheptatrien-1-one, 2-p...	182	C13H10O	014562-09-5	72
5		2-Hydroxyfluorene	182	C13H10O	002443-58-5	64



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP022824\
Data File : BP019928.D
Acq On : 28 Feb 2024 21:43
Operator : MA/JU
Sample : P1602-01
Misc :
ALS Vial : 22 Sample Multiplier: 1

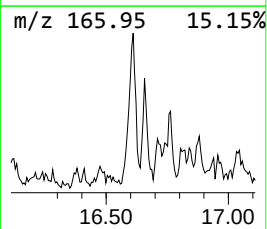
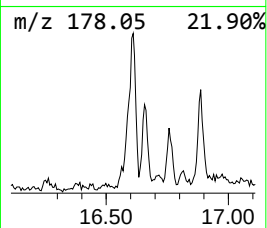
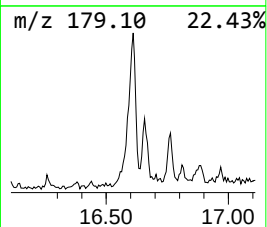
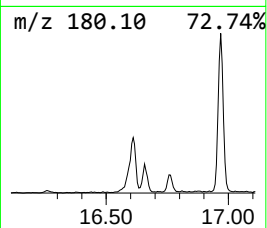
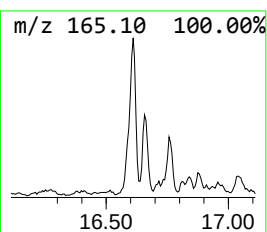
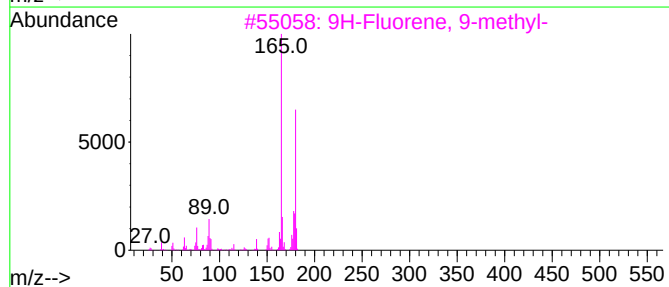
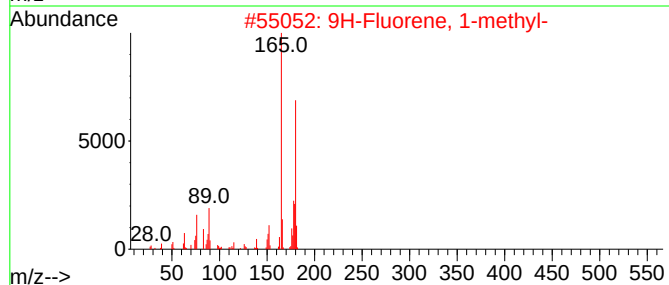
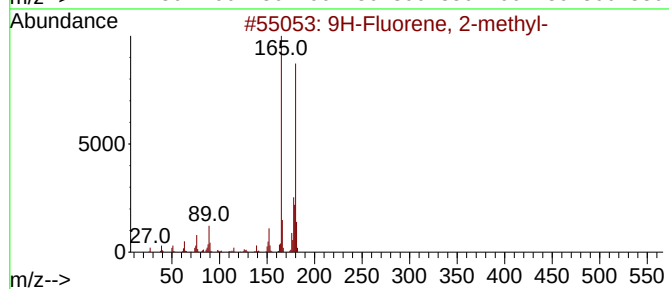
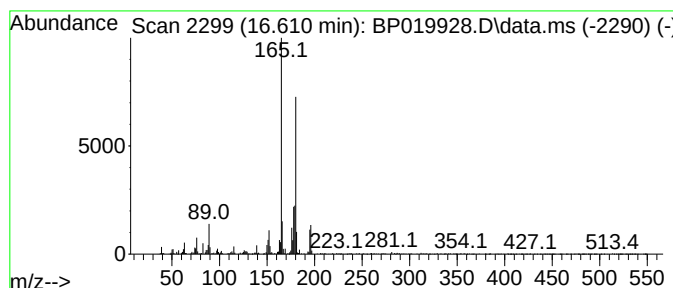
Instrument :
BNA_P
ClientSampleId :
WC-1

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP022624.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 4 9H-Fluorene, 2-methyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.	
16.610	4.90 ng	288517	Phenanthrene-d10	17.310	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluorene, 2-methyl-	180	C14H12	001430-97-3	96
2	9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	95
3	9H-Fluorene, 9-methyl-	180	C14H12	002523-37-7	93
4	9H-Fluorene, 3-methyl-	180	C14H12	002523-39-9	93
5	4a,9a-Methano-9H-fluorene	180	C14H12	019540-84-2	64



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP022824\
Data File : BP019928.D
Acq On : 28 Feb 2024 21:43
Operator : MA/JU
Sample : P1602-01
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
WC-1

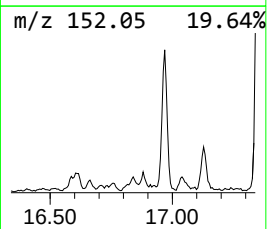
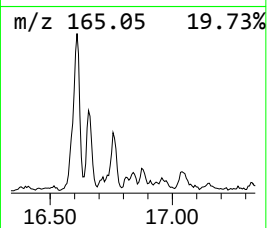
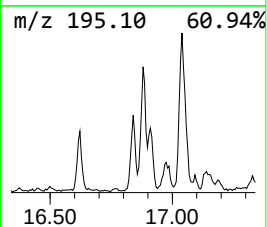
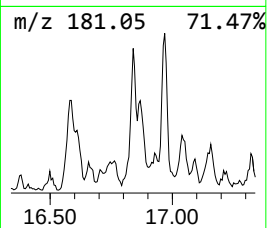
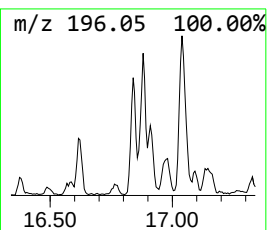
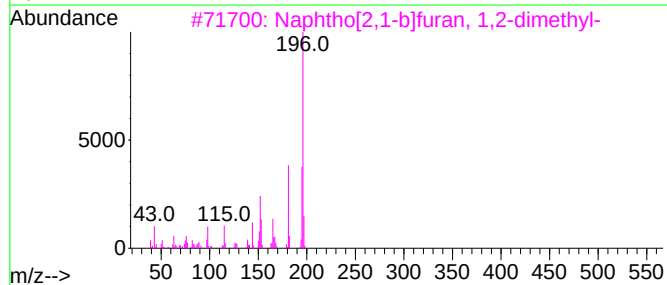
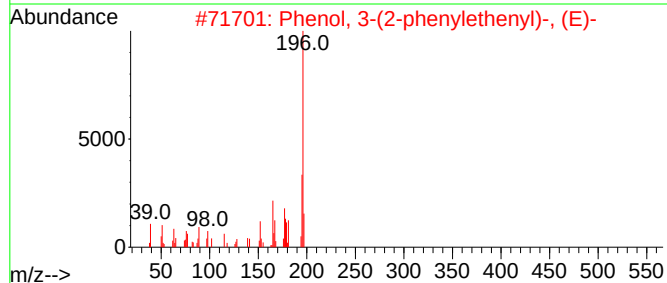
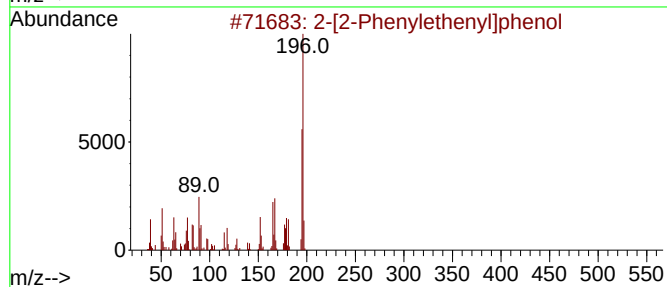
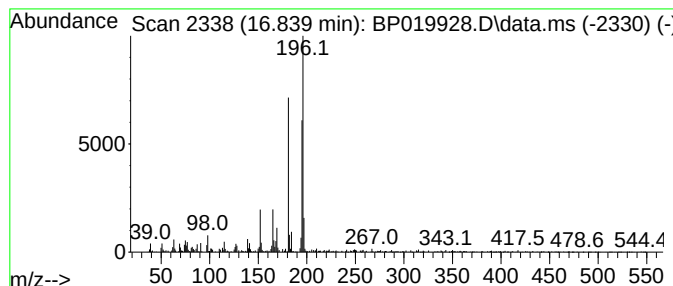
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP022624.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 5 2-[2-Phenylethenyl]phenol Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.839	2.56 ng	150640	Phenanthrene-d10	17.310

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			2-[2-Phenylethenyl]phenol	196	C14H12O	042224-48-6	64
2			Phenol, 3-(2-phenylethenyl)-, (E)-	196	C14H12O	017861-18-6	64
3			Naphtho[2,1-b]furan, 1,2-dimethyl-	196	C14H12O	129812-23-3	58
4			Benzenamine, 4-[(E)-2-(4-pyridin...	196	C13H12N2	1000351-61-4	46
5			phenol, 2-[(ethylamino)methyl]-4...	196	C9H12N2O3	1000400-09-7	46



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP022824\
Data File : BP019928.D
Acq On : 28 Feb 2024 21:43
Operator : MA/JU
Sample : P1602-01
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
WC-1

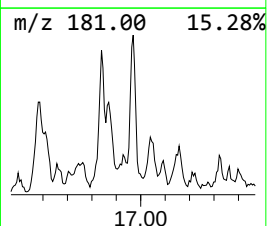
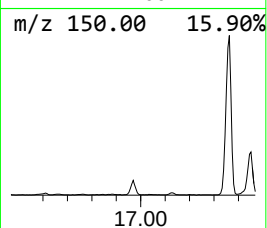
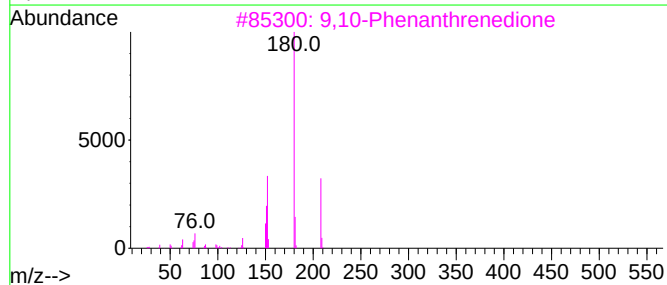
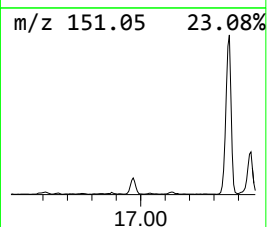
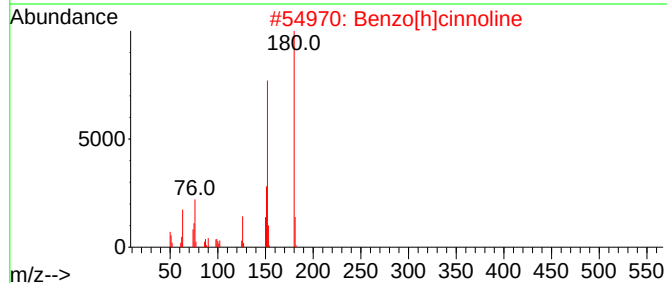
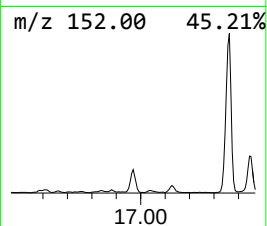
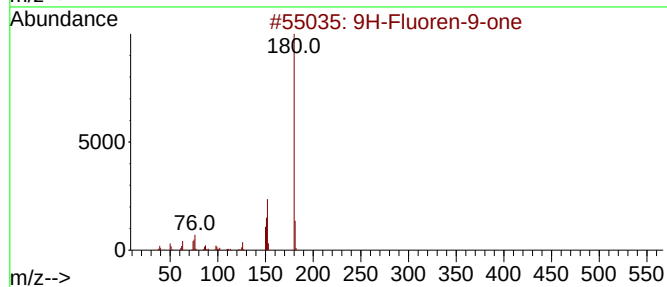
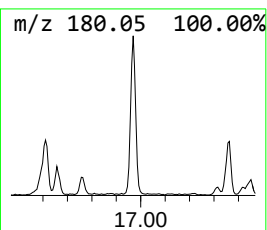
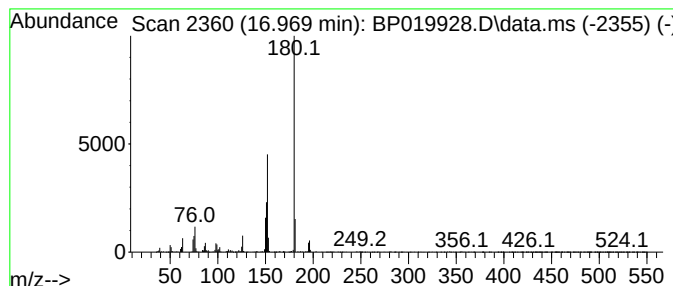
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP022624.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 6 9H-Fluoren-9-one Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.969	5.32 ng	313322	Phenanthrene-d10	17.310

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		9H-Fluoren-9-one	180	C13H8O	000486-25-9	96
2		Benzo[h]cinnoline	180	C12H8N2	000230-31-9	90
3		9,10-Phenanthredione	208	C14H8O2	000084-11-7	90
4		Diphenic anhydride	224	C14H8O3	006050-13-1	83
5		2,3-Diazaphenanthrene	180	C12H8N2	000229-72-1	52



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP022824\
Data File : BP019928.D
Acq On : 28 Feb 2024 21:43
Operator : MA/JU
Sample : P1602-01
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
WC-1

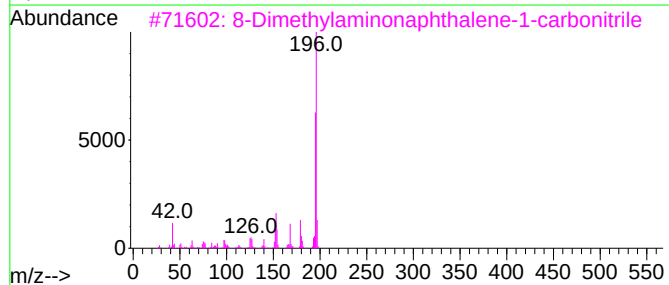
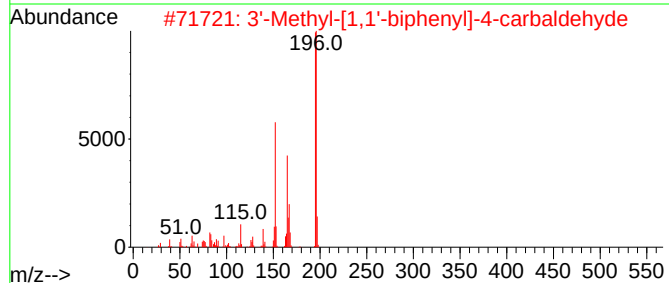
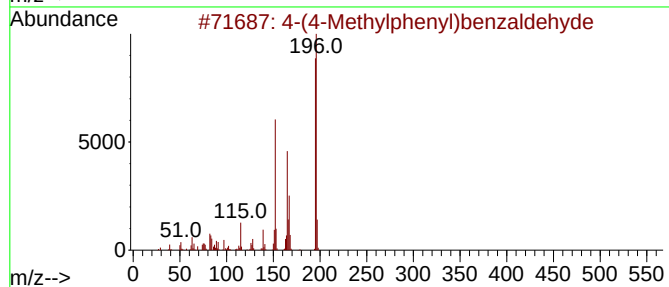
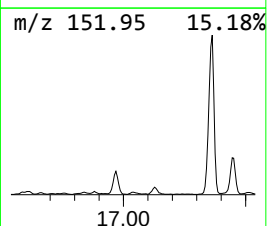
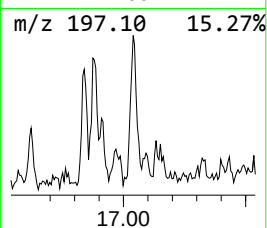
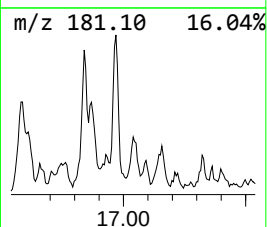
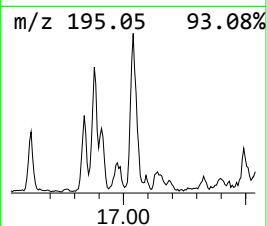
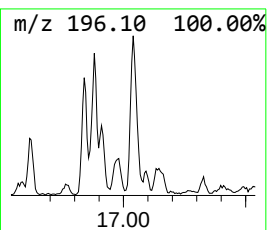
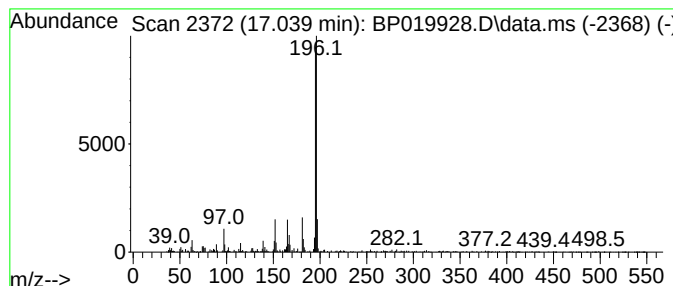
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP022624.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 7 4-(4-Methylphenyl)benzaldehyde Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.039	2.72 ng	160551	Phenanthrene-d10	17.310

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			4-(4-Methylphenyl)benzaldehyde	196	C14H12O	036393-42-7	93
2			3'-Methyl-[1,1'-biphenyl]-4-carb...	196	C14H12O	400744-83-4	91
3			8-Dimethylaminonaphthalene-1-car...	196	C13H12N2	128644-69-9	80
4			2,4,6-Trimethoxybenzaldehyde	196	C10H12O4	000830-79-5	53
5			Phenol, 4-(2-phenylethenyl)-, (E)-	196	C14H12O	006554-98-9	53



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP022824\
Data File : BP019928.D
Acq On : 28 Feb 2024 21:43
Operator : MA/JU
Sample : P1602-01
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
WC-1

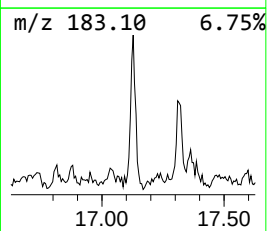
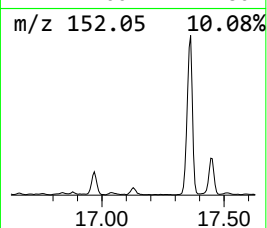
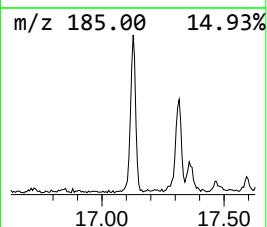
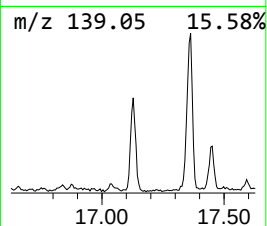
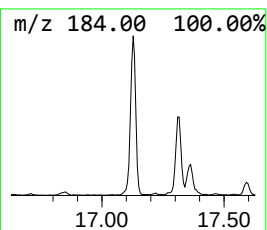
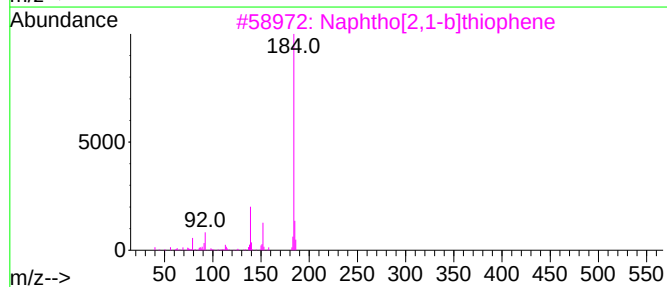
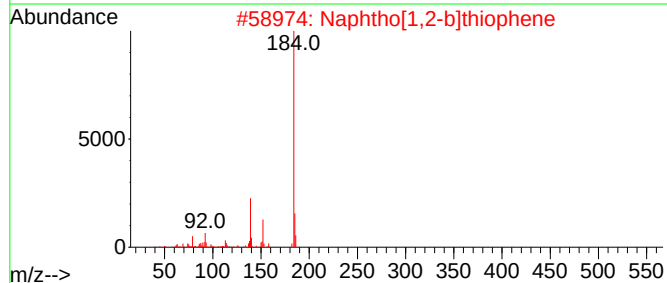
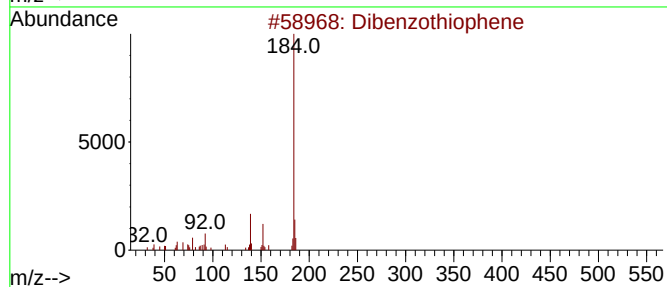
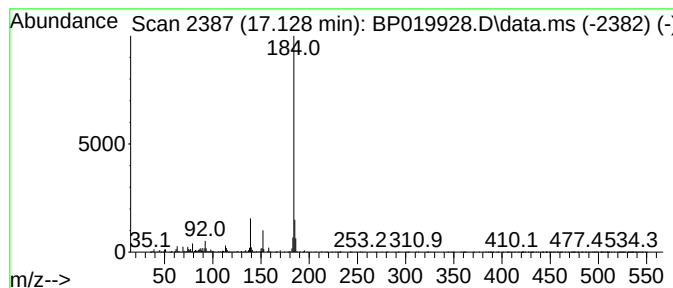
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP022624.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 8 Dibenzothiophene Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.128	6.07 ng	357898	Phenanthrene-d10	17.310

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Dibenzothiophene	184	C12H8S	000132-65-0	96
2			Naphtho[1,2-b]thiophene	184	C12H8S	000234-41-3	94
3			Naphtho[2,1-b]thiophene	184	C12H8S	000233-02-3	91
4			Azuleno(2,1-b)thiophene	184	C12H8S	000248-13-5	91
5			Naphthalene, 2-ethenyl-6-methoxy-	184	C13H12O	063444-51-9	72



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP022824\
Data File : BP019928.D
Acq On : 28 Feb 2024 21:43
Operator : MA/JU
Sample : P1602-01
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
WC-1

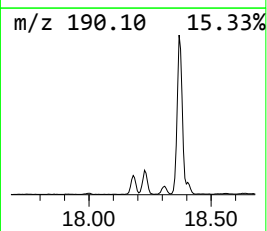
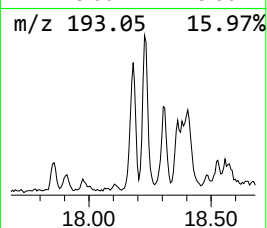
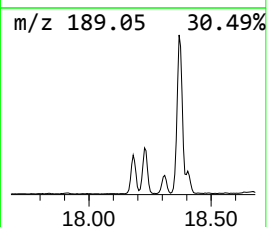
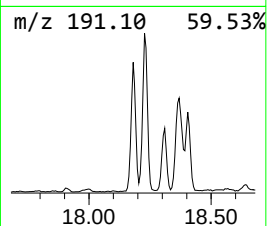
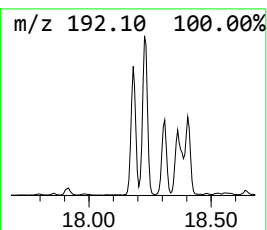
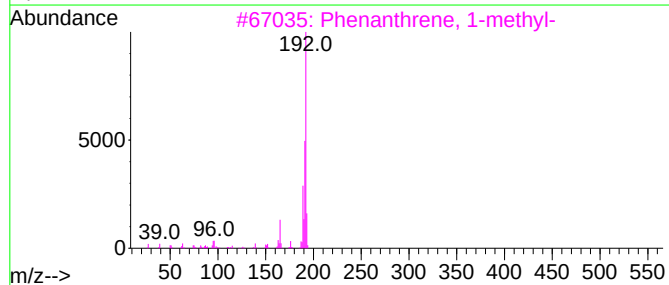
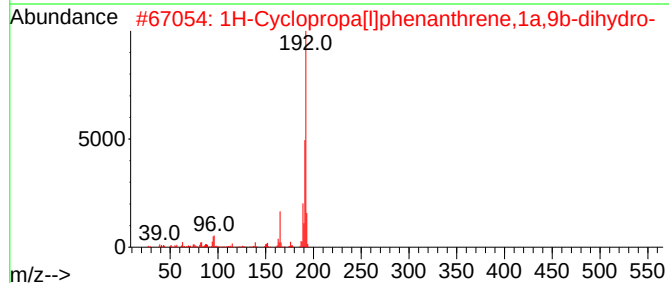
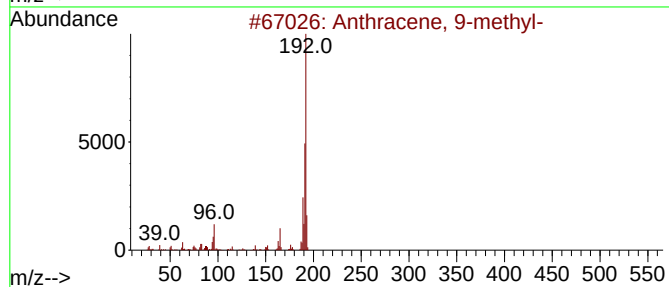
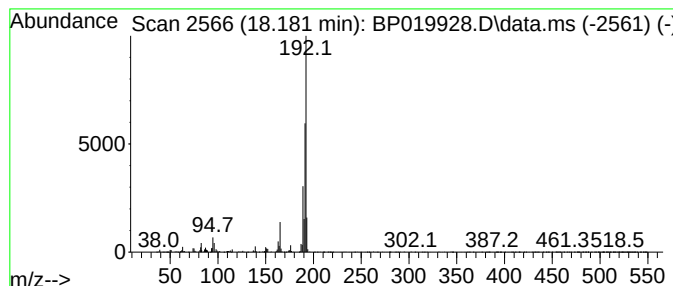
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP022624.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 9 Anthracene, 9-methyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.181	11.37 ng	669670	Phenanthrene-d10	17.310

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Anthracene, 9-methyl-	192	C15H12	000779-02-2	95
2			1H-Cyclopropa[1]phenanthrene,1a,...	192	C15H12	000949-41-7	95
3			Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	95
4			Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	95
5			Anthracene, 2-methyl-	192	C15H12	000613-12-7	94



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP022824\
Data File : BP019928.D
Acq On : 28 Feb 2024 21:43
Operator : MA/JU
Sample : P1602-01
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
WC-1

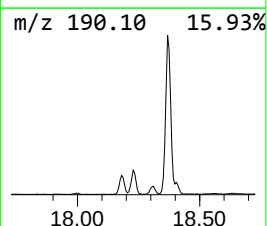
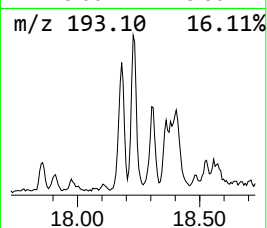
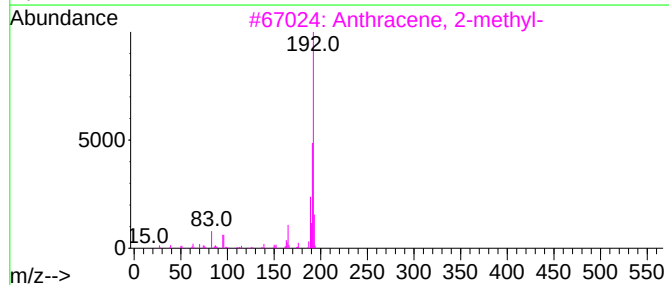
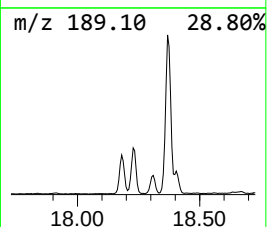
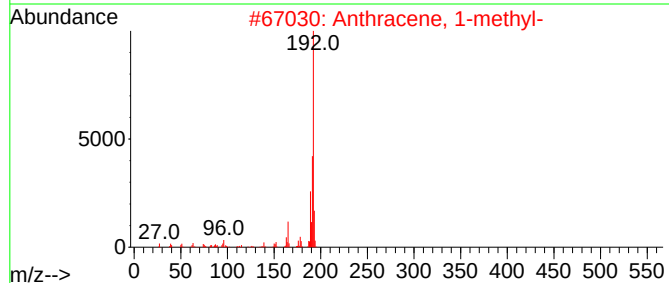
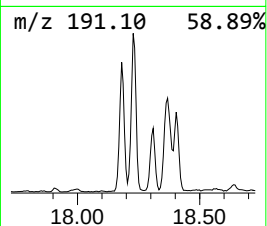
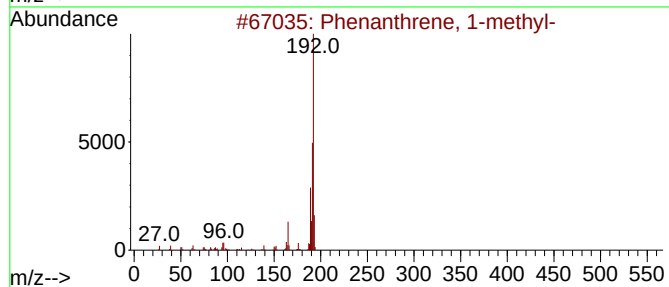
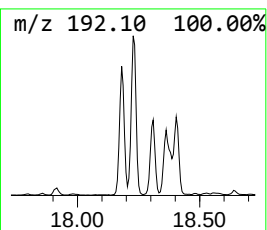
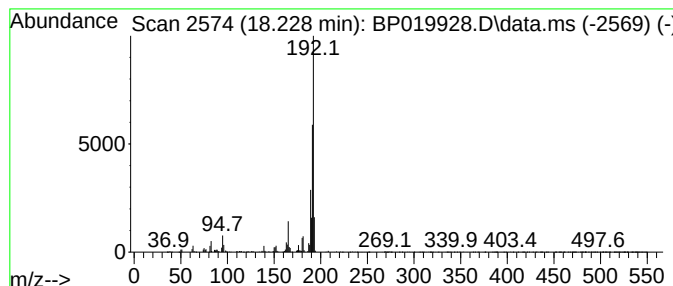
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP022624.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 10 Phenanthrene, 1-methyl- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.228	19.19 ng	1130860	Phenanthrene-d10	17.310

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	93
2			Anthracene, 1-methyl-	192	C15H12	000610-48-0	93
3			Anthracene, 2-methyl-	192	C15H12	000613-12-7	93
4			Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	90
5			1H-Cyclopropa[1]phenanthrene,1a,...	192	C15H12	000949-41-7	90



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP022824\
Data File : BP019928.D
Acq On : 28 Feb 2024 21:43
Operator : MA/JU
Sample : P1602-01
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
WC-1

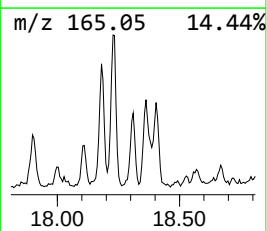
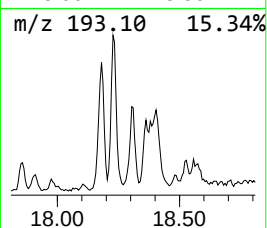
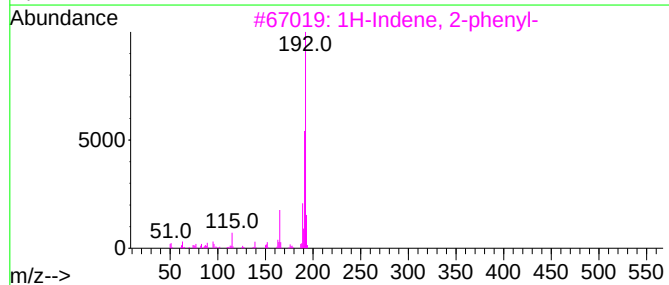
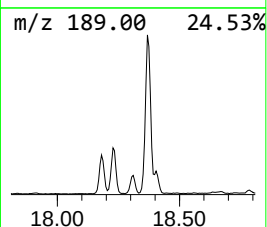
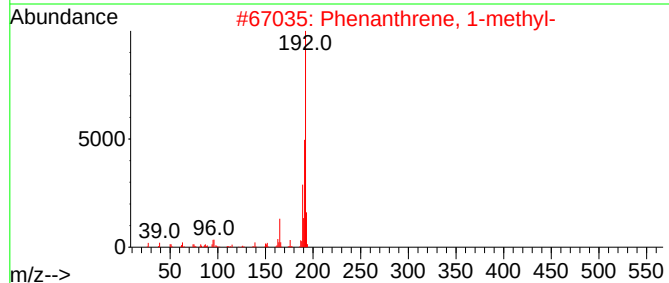
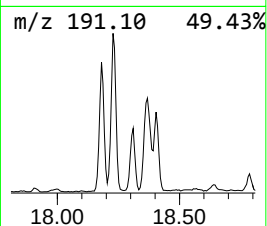
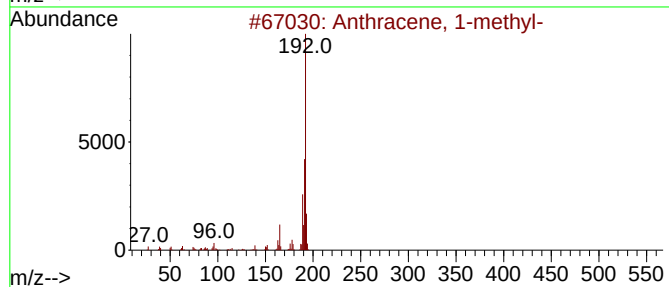
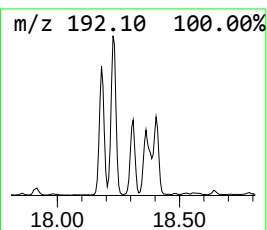
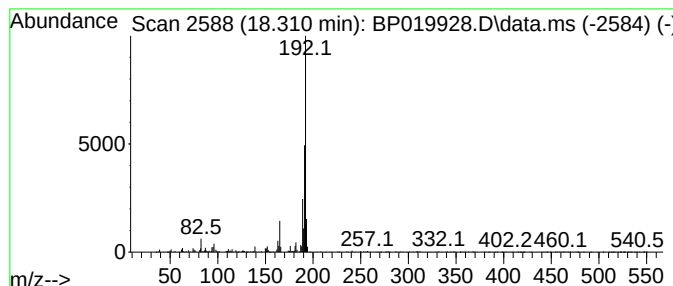
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP022624.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 11 Anthracene, 1-methyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.310	6.00 ng	353566	Phenanthrene-d10	17.310

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Anthracene, 1-methyl-	192	C15H12	000610-48-0	96
2			Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	96
3			1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	96
4			Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	95
5			1H-Cyclopropa[1]phenanthrene,1a,...	192	C15H12	000949-41-7	95



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP022824\
Data File : BP019928.D
Acq On : 28 Feb 2024 21:43
Operator : MA/JU
Sample : P1602-01
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
WC-1

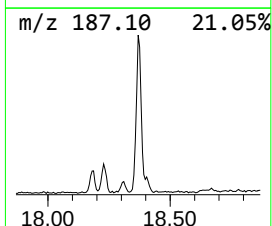
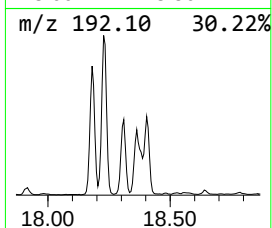
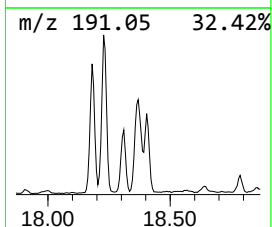
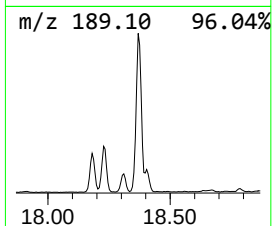
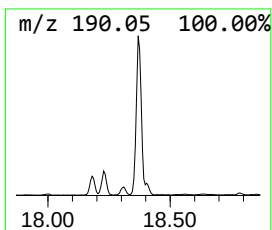
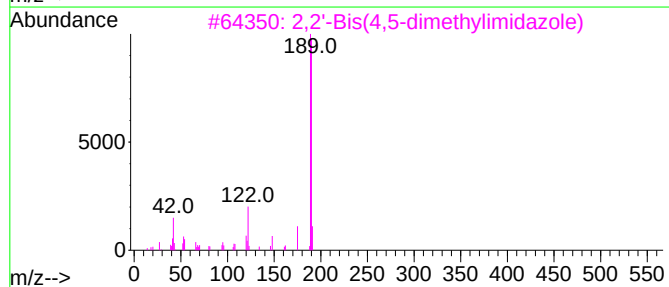
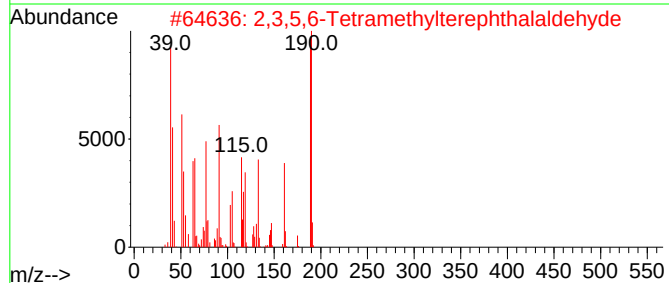
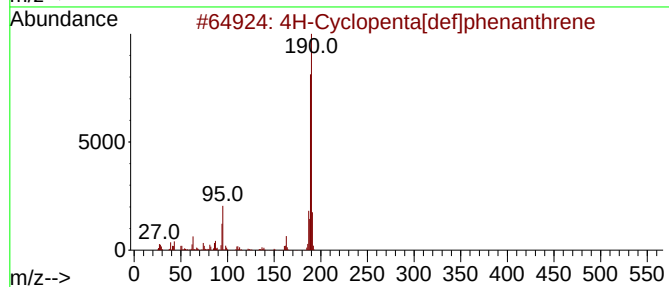
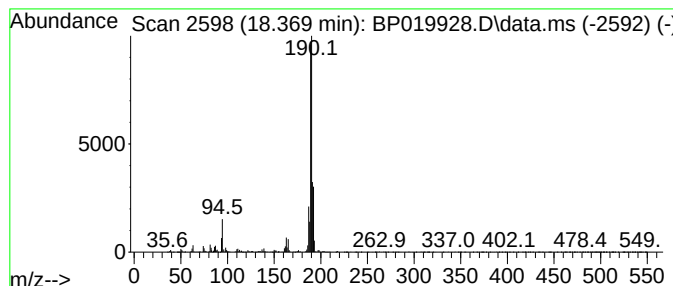
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP022624.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 12 4H-Cyclopenta[def]phenanthrene Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.369	21.79 ng	1283930	Phenanthrene-d10	17.310

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	89
2		2,3,5,6-Tetramethylterephthalald...	190	C12H14O2	007072-01-7	50
3		2,2'-Bis(4,5-dimethylimidazole)	190	C10H14N4	069286-06-2	33
4		1-(Phenylethynyl)-1H-1,2,3-benzo...	219	C14H9N3	209912-23-2	17
5		1,4-Naphthalenedione, 2,5-dihydr...	190	C10H6O4	004923-55-1	17



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP022824\
Data File : BP019928.D
Acq On : 28 Feb 2024 21:43
Operator : MA/JU
Sample : P1602-01
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
WC-1

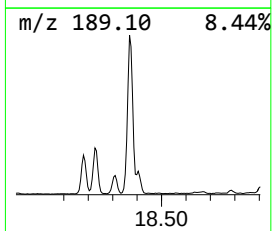
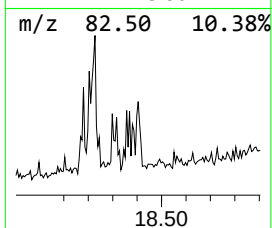
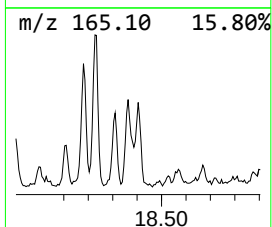
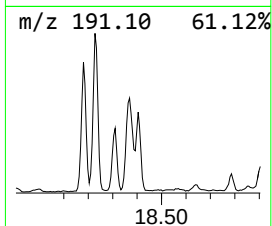
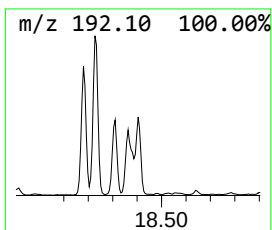
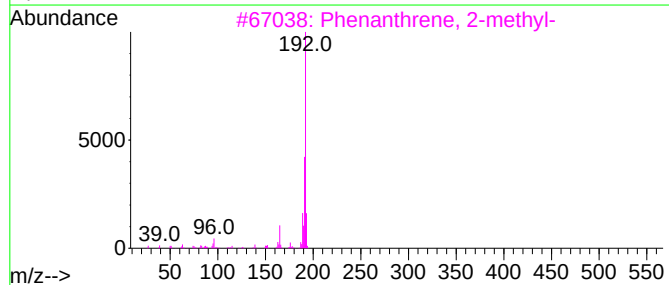
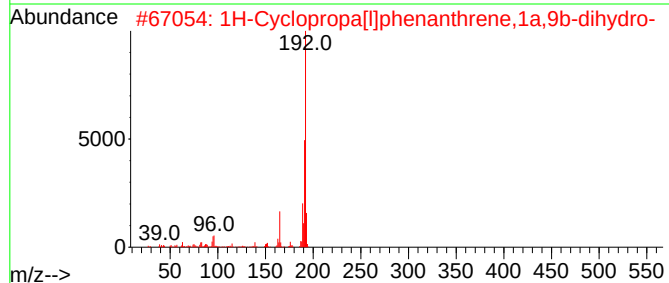
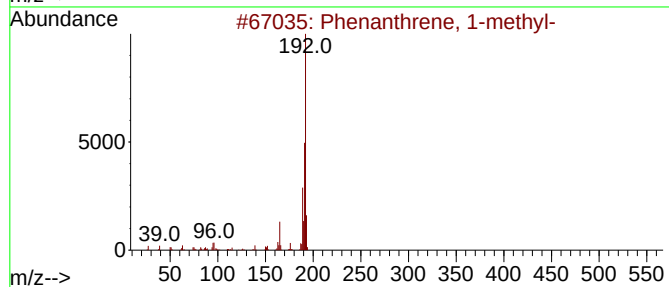
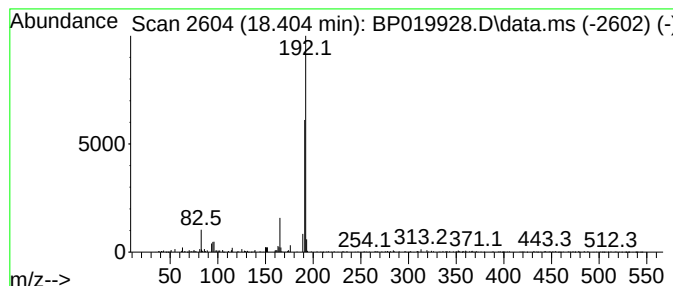
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP022624.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 13 1H-Cyclopropa[l]phenanthren... Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.404	5.75 ng	338549	Phenanthrene-d10	17.310

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	87
2			1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	87
3			Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	83
4			Phenanthrene, 3-methyl-	192	C15H12	000832-71-3	80
5			1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	80



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP022824\
Data File : BP019928.D
Acq On : 28 Feb 2024 21:43
Operator : MA/JU
Sample : P1602-01
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
WC-1

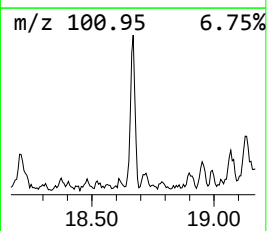
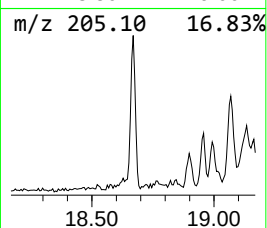
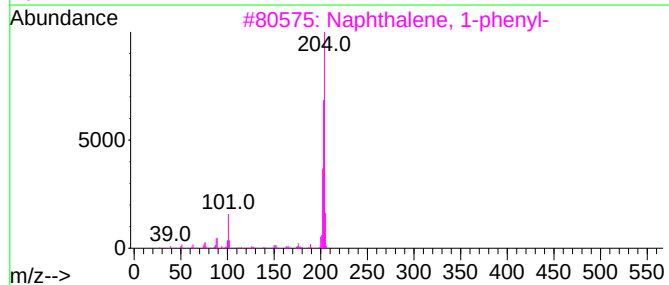
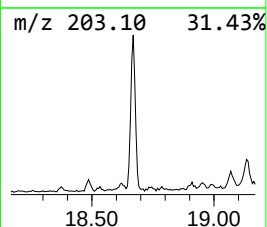
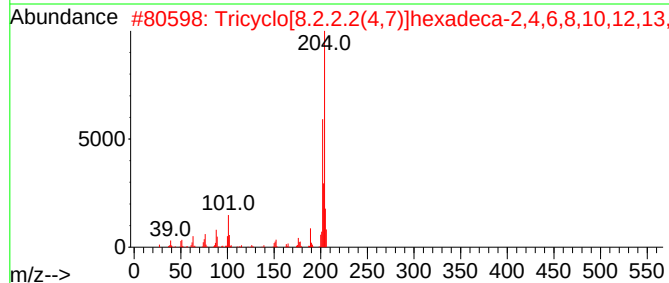
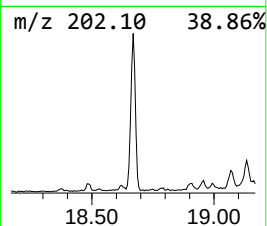
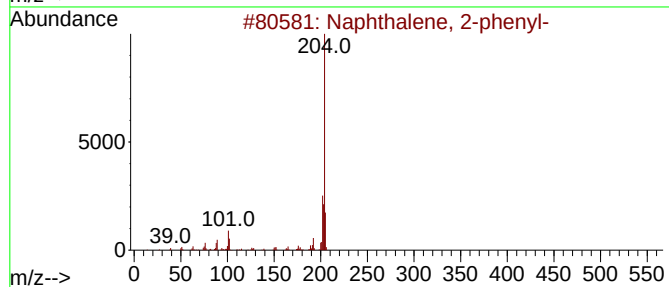
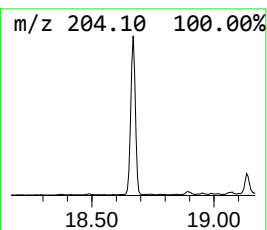
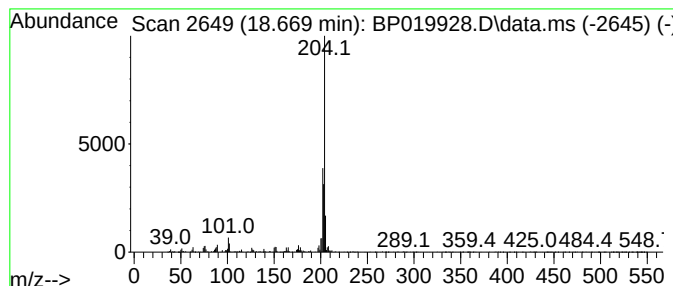
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP022624.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 14 Naphthalene, 2-phenyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.669	7.68 ng	452703	Phenanthrene-d10	17.310

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	76
2			Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	68
3			Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	53
4			9-Acridinecarbonitrile	204	C14H8N2	005326-19-2	49
5			Indeno[2,1-a]indene, 5,10-dihydro-	204	C16H12	006543-29-9	47



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP022824\
Data File : BP019928.D
Acq On : 28 Feb 2024 21:43
Operator : MA/JU
Sample : P1602-01
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
WC-1

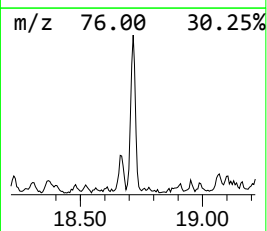
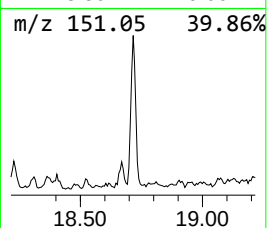
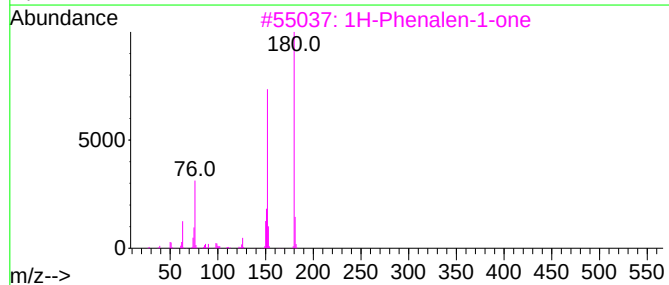
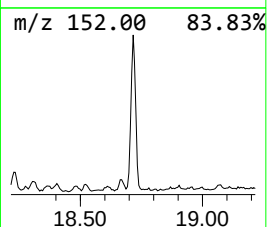
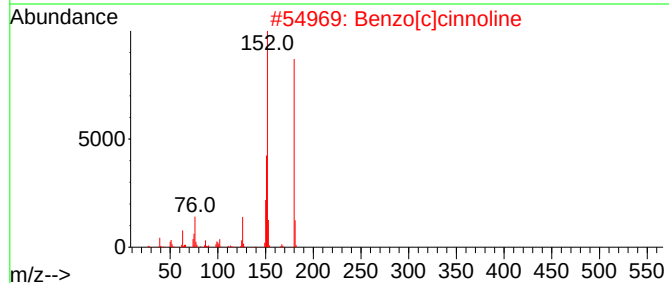
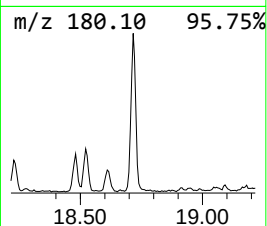
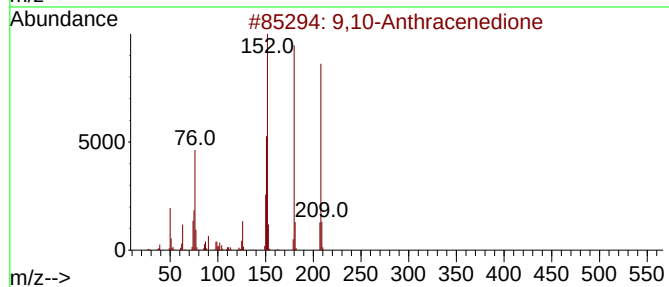
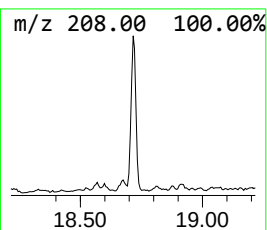
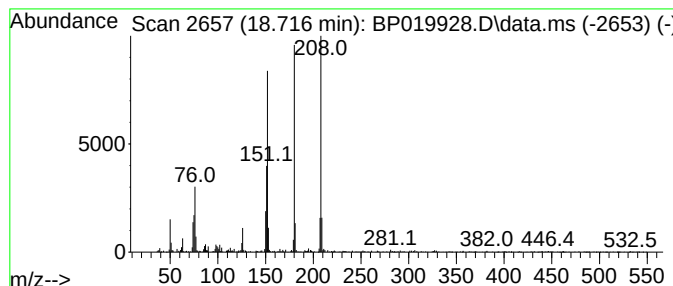
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP022624.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 15 9,10-Anthracenedione Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.716	7.17 ng	422362	Phenanthrene-d10	17.310

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		9,10-Anthracenedione	208	C14H8O2	000084-65-1	95
2		Benzo[c]cinnoline	180	C12H8N2	000230-17-1	83
3		1H-Phenalen-1-one	180	C13H8O	000548-39-0	78
4		9H-Fluoren-9-one	180	C13H8O	000486-25-9	64
5		Benzo[h]cinnoline	180	C12H8N2	000230-31-9	58



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP022824\
Data File : BP019928.D
Acq On : 28 Feb 2024 21:43
Operator : MA/JU
Sample : P1602-01
Misc :
ALS Vial : 22 Sample Multiplier: 1

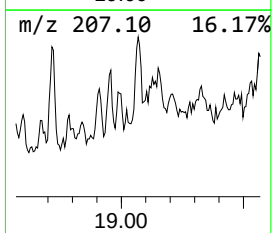
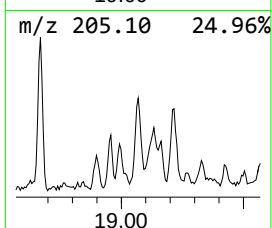
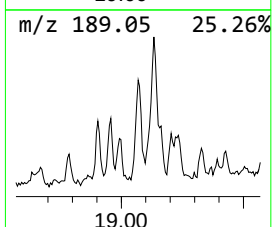
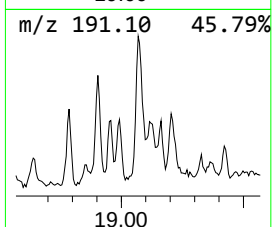
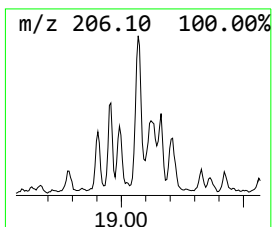
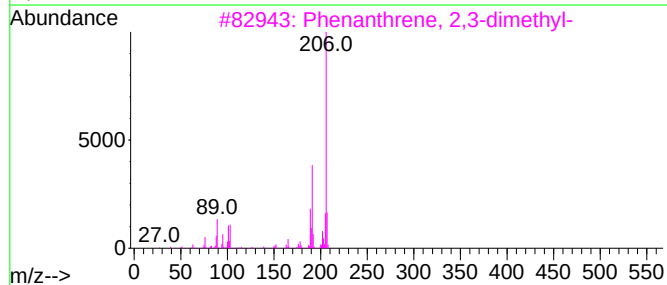
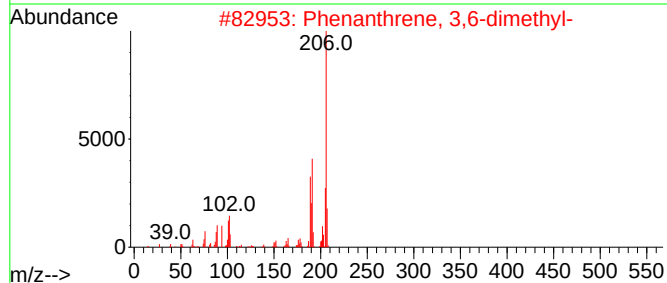
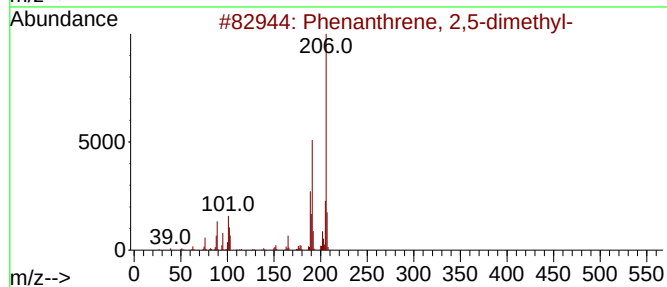
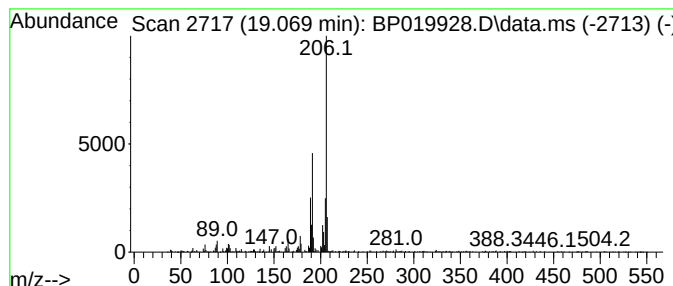
Instrument :
BNA_P
ClientSampleId :
WC-1

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP022624.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 16 Phenanthrene, 2,5-dimethyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD		R.T.	
19.069	4.40 ng	259351	Phenanthrene-d10		17.310	
Hit# of 5	Tentative ID		MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,5-dimethyl-		206	C16H14	003674-66-6	94
2	Phenanthrene, 3,6-dimethyl-		206	C16H14	001576-67-6	91
3	Phenanthrene, 2,3-dimethyl-		206	C16H14	003674-65-5	90
4	3,4-Dimethylphenanthrene		206	C16H14	1000452-24-5	86
5	9,10-Dimethylanthracene		206	C16H14	000781-43-1	83



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP022824\
Data File : BP019928.D
Acq On : 28 Feb 2024 21:43
Operator : MA/JU
Sample : P1602-01
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
WC-1

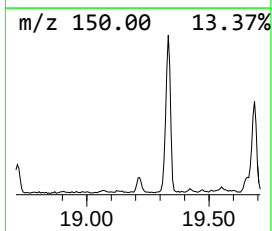
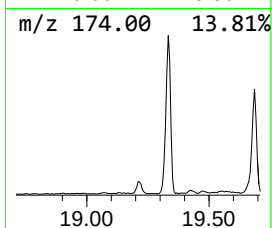
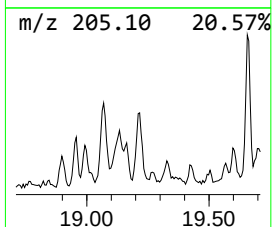
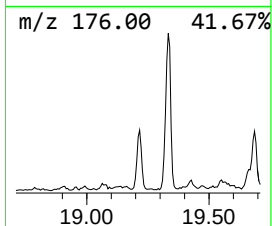
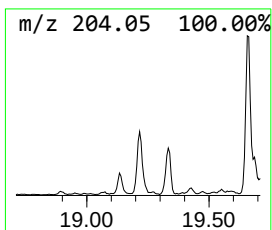
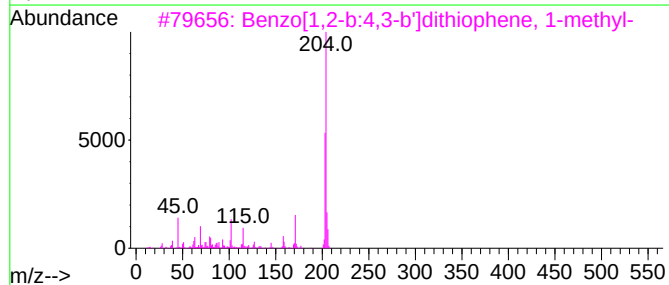
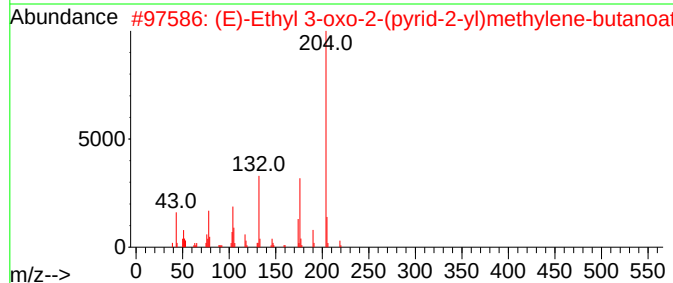
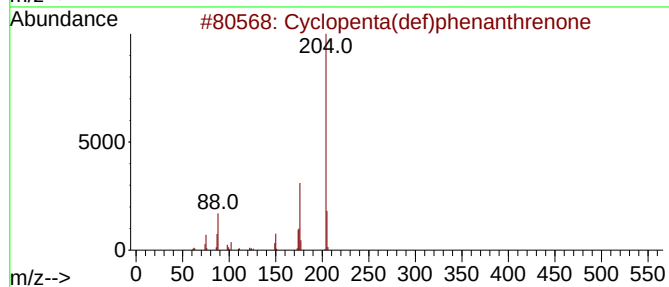
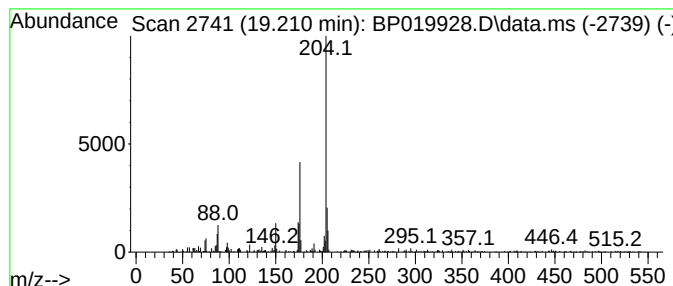
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP022624.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 17 Cyclopenta(def)phenanthrenone Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.210	5.00 ng	294488	Phenanthrene-d10	17.310

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	91
2		(E)-Ethyl 3-oxo-2-(pyrid-2-yl)me...	219	C12H13NO3	1000147-59-7	56
3		Benzo[1,2-b:4,3-b']dithiophene, ...	204	C11H8S2	013640-86-3	52
4		2-O-Glycerol- α -D-galactopy...	686	C27H66O8Si6	1000098-09-0	50
5		9-Butyl-9-cyano-9,10-dihydroanth...	261	C19H19N	139642-81-2	50



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP022824\
Data File : BP019928.D
Acq On : 28 Feb 2024 21:43
Operator : MA/JU
Sample : P1602-01
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
WC-1

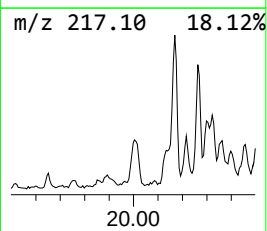
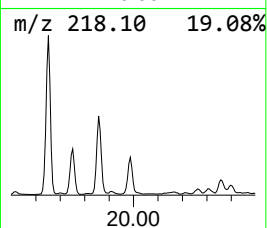
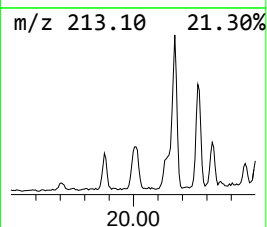
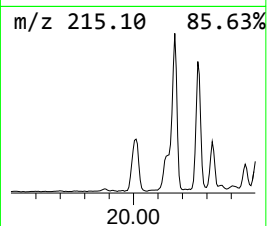
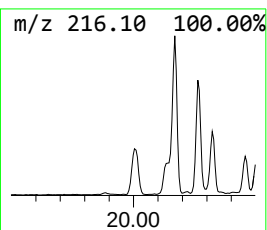
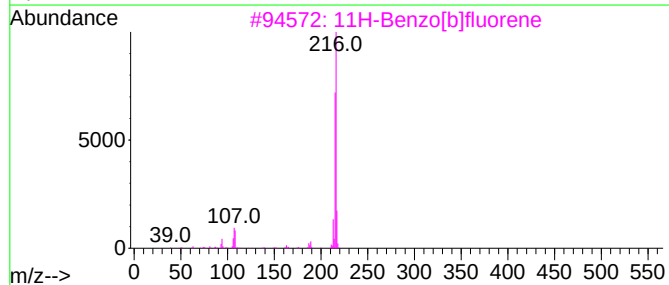
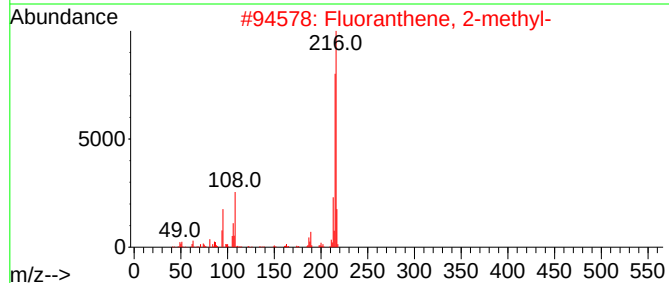
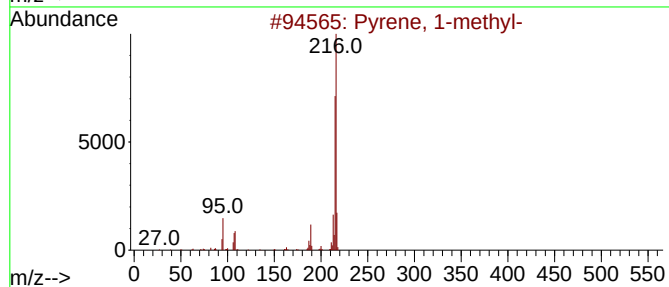
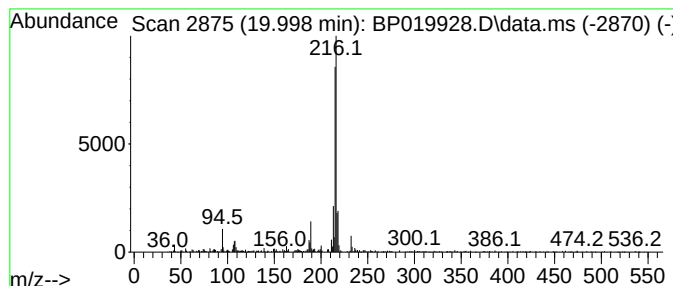
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP022624.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 18 Pyrene, 1-methyl- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.998	2.67 ng	611413	Chrysene-d12	21.422

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Pyrene, 1-methyl-	216	C17H12	002381-21-7	91
2			Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	89
3			11H-Benzo[b]fluorene	216	C17H12	000243-17-4	83
4			11H-Benzo[a]fluorene	216	C17H12	000238-84-6	80
5			6H-Thiazolo[5,4-e]indole, 2,7,8-...	216	C12H12N2S	1000338-32-0	59



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP022824\
Data File : BP019928.D
Acq On : 28 Feb 2024 21:43
Operator : MA/JU
Sample : P1602-01
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
WC-1

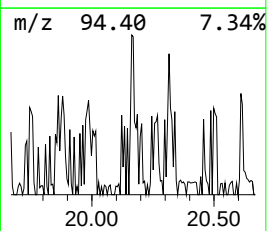
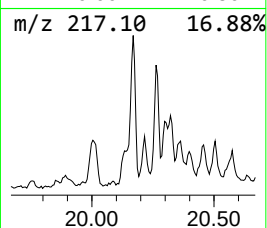
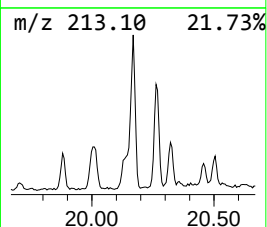
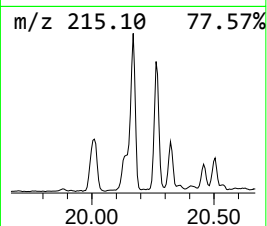
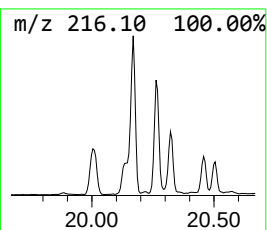
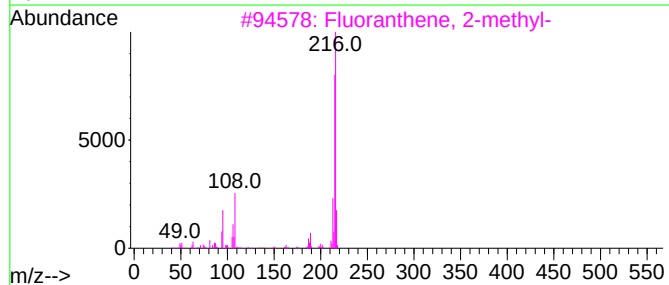
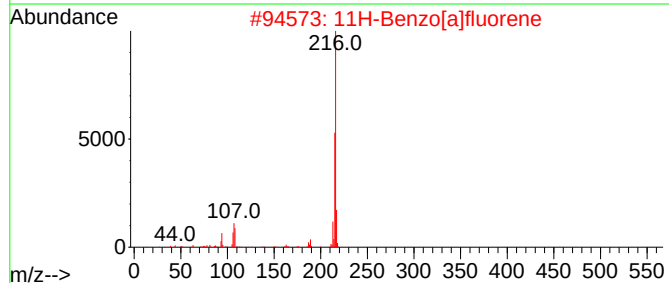
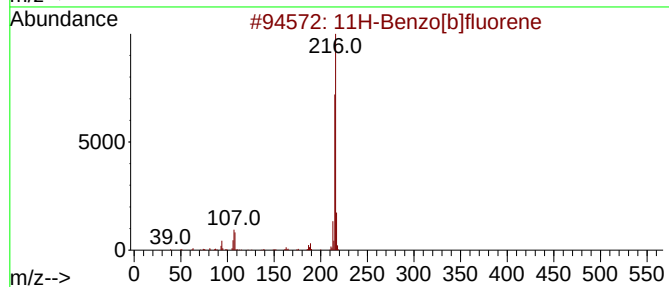
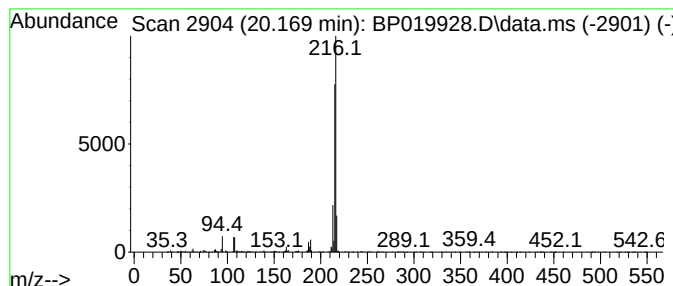
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP022624.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 19 11H-Benzo[b]fluorene Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.169	3.73 ng	854039	Chrysene-d12	21.422

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		11H-Benzo[b]fluorene	216	C17H12	000243-17-4	94
2		11H-Benzo[a]fluorene	216	C17H12	000238-84-6	91
3		Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	90
4		Pyrene, 1-methyl-	216	C17H12	002381-21-7	86
5		7H-Benzo[c]fluorene	216	C17H12	000205-12-9	72



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP022824\
Data File : BP019928.D
Acq On : 28 Feb 2024 21:43
Operator : MA/JU
Sample : P1602-01
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
WC-1

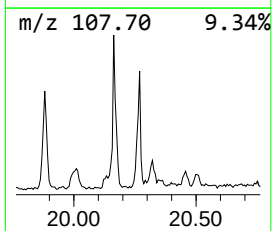
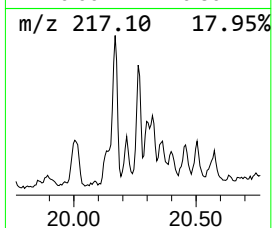
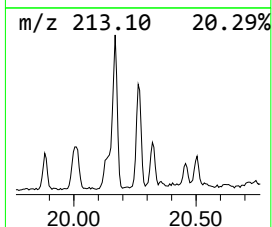
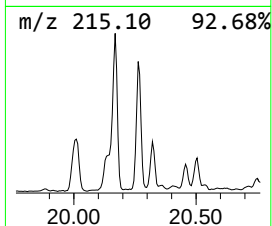
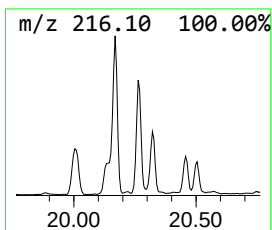
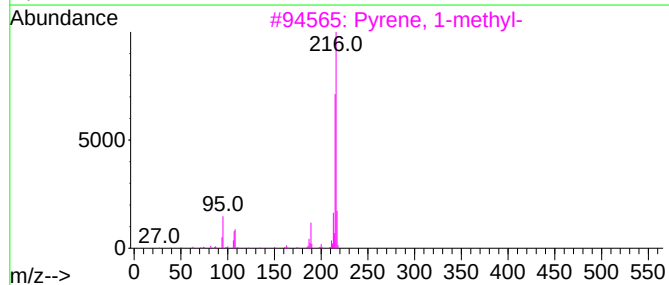
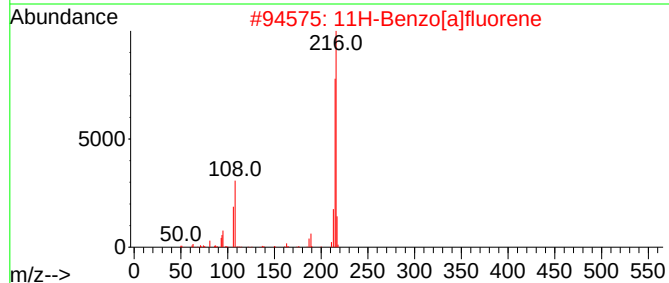
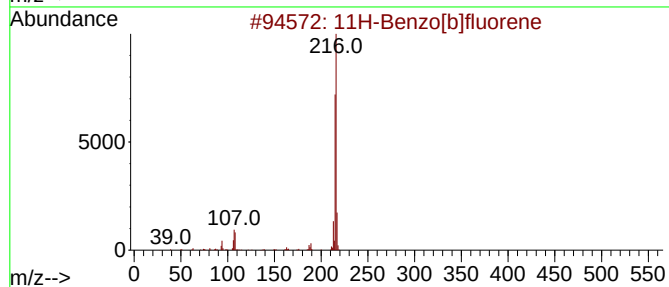
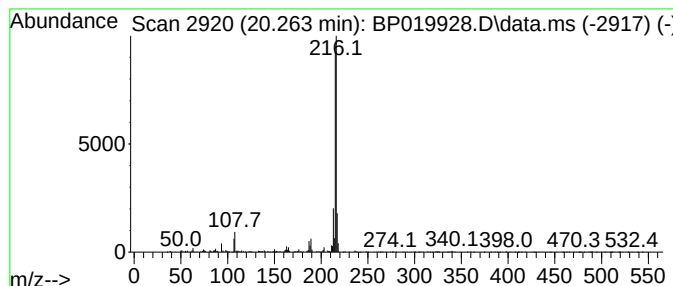
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP022624.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 20 11H-Benzo[a]fluorene Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.263	2.81 ng	643596	Chrysene-d12	21.422

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		11H-Benzo[b]fluorene	216	C17H12	000243-17-4	93
2		11H-Benzo[a]fluorene	216	C17H12	000238-84-6	87
3		Pyrene, 1-methyl-	216	C17H12	002381-21-7	68
4		Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	64
5		7H-Benzo[c]fluorene	216	C17H12	000205-12-9	59



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP022824\
Data File : BP019928.D
Acq On : 28 Feb 2024 21:43
Operator : MA/JU
Sample : P1602-01
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
WC-1

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP022624.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST0.L
TIC Integration Parameters: LSCINT.P

TIC Top Hit name	RT	EstConc	Units	Response	--Internal Standard--			
					#	RT	Resp	Conc
.beta.-Pinene	7.316	2.6	ng	95330	1	7.899	743003	20.0
Naphthalene, 2,...	13.863	4.7	ng	304365	3	14.546	1302410	20.0
9H-Fluoren-3-ol	15.892	3.7	ng	242897	3	14.546	1302410	20.0
9H-Fluorene, 2-...	16.610	4.9	ng	288517	4	17.310	1178400	20.0
2-[2-Phenylethe...	16.839	2.6	ng	150640	4	17.310	1178400	20.0
9H-Fluoren-9-one	16.969	5.3	ng	313322	4	17.310	1178400	20.0
4-(4-Methylphen...	17.039	2.7	ng	160551	4	17.310	1178400	20.0
Dibenzothiophene	17.128	6.1	ng	357898	4	17.310	1178400	20.0
Anthracene, 9-m...	18.181	11.4	ng	669670	4	17.310	1178400	20.0
Phenanthrene, 1...	18.228	19.2	ng	1130860	4	17.310	1178400	20.0
Anthracene, 1-m...	18.310	6.0	ng	353566	4	17.310	1178400	20.0
4H-Cyclopenta[d...	18.369	21.8	ng	1283930	4	17.310	1178400	20.0
1H-Cyclopropa[l...	18.404	5.8	ng	338549	4	17.310	1178400	20.0
Naphthalene, 2-...	18.669	7.7	ng	452703	4	17.310	1178400	20.0
9,10-Anthracene...	18.716	7.2	ng	422362	4	17.310	1178400	20.0
Phenanthrene, 2...	19.069	4.4	ng	259351	4	17.310	1178400	20.0
Cyclopenta(def)...	19.210	5.0	ng	294488	4	17.310	1178400	20.0
Pyrene, 1-methyl-	19.998	2.7	ng	611413	5	21.422	4578470	20.0
11H-Benzo[b]flu...	20.169	3.7	ng	854039	5	21.422	4578470	20.0
11H-Benzo[a]flu...	20.263	2.8	ng	643596	5	21.422	4578470	20.0