LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP121521\
Data File : BP008419.D
Acq On : 15 Dec 2021 16:22
Operator : CG/JU
Sample : M5076-13 5X
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
SB-20-C

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-BP121421.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BP008419.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	4.875	317	321	332	rVB	41810	64429	1.98%	0.210%
2	5.351	397	402	418	rVB	79874	146654	4.52%	0.478%
3	6.957	669	675	697	rBV	57835	153667	4.73%	0.501%
4	7.745	802	809	821	rBV	202041	339696	10.46%	1.108%
5	8.916	1002	1008	1022	rBV	45444	104237	3.21%	0.340%
6	10.539	1276	1284	1301	rBV	239927	471461	14.52%	1.537%
7	13.016	1699	1705	1716	rBV	145049	236741	7.29%	0.772%
8	13.716	1818	1824	1830	rBV4	24717	48404	1.49%	0.158%
9	14.122	1888	1893	1902	rVB	22241	37495	1.15%	0.122%
10	14.392	1928	1939	1946	rBV	416177	637774	19.64%	2.080%
11	14.457	1946	1950	1959	rVB	39133	65758	2.03%	0.214%
12	14.798	2002	2008	2016	rVB3	20974	41109	1.27%	0.134%
13	14.874	2016	2021	2026	rBV	22869	34370	1.06%	0.112%
14	15.022	2039	2046	2051	rBV2	22373	41097	1.27%	0.134%
15	15.192	2067	2075	2078	rBV5	17494	39102	1.20%	0.128%
16	15.451	2113	2119	2123	rVV3	25372	42217	1.30%	0.138%
17	15.745	2165	2169	2177	rVB2	19299	51371	1.58%	0.168%
18	15.910	2192	2197	2203	rBV2	85876	147350	4.54%	0.480%
19	16.133	2230	2235	2240	rBV4	22735	42308	1.30%	0.138%
20	16.516	2295	2300	2304	rVB4	20372	34866	1.07%	0.114%
21	16.821	2347	2352	2358	rVB	65375	101254	3.12%	0.330%
22	16.974	2374	2378	2387	rVB	59832	97519	3.00%	0.318%
23	17.157	2403	2409	2412	rBV	547710	765091	23.56%	2.495%
24	17.198	2412	2416	2423	rVV	925314	1250652	38.52%	4.078%
25	17.292	2427	2432	2438	rVV	146630	212719	6.55%	0.694%
26	17.480	2460	2464	2468	rVB3	33391	49070	1.51%	0.160%
27	17.680	2493	2498	2503	rVB	79412	103304	3.18%	0.337%
28	17.745	2503	2509	2517	rVB2	92071	164208	5.06%	0.535%
29	17.886	2529	2533	2539	rVB	46264	82335	2.54%	0.268%
30	17.963	2541	2546	2550	rBV2	48485	76183	2.35%	0.248%
31	18.033	2552	2558	2562	rVV	330755	483513	14.89%	1.577%
32	18.080	2562	2566	2572	rVB	404489	542052	16.69%	1.767%
33	18.157	2575	2579	2583	rVB	76846	98125	3.02%	0.320%
34	18.215	2583	2589	2593	rBV3	427025	742780	22.88%	2.422%
35	18.251	2593	2595	2602	rVB	308903	390464	12.02%	1.273%
36	18.339	2606	2610	2613	rBV3	39923	61865	1.91%	0.202%

LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP121521\
Data File : BP008419.D
Acq On : 15 Dec 2021 16:22
Operator : CG/JU
Sample : M5076-13 5X
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
SB-20-C

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-BP121421.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

37	18.421	2620	2624	2627	rBV	40830	55592	1.71%	0.181%
38	18.515	2635	2640	2645	rBV	220329	305750	9.42%	0.997%
39	18.568	2645	2649	2657	rVB	235943	344088	10.60%	1.122%
40	18.639	2657	2661	2664	rBV	47765	64762	1.99%	0.211%
41	18.733	2673	2677	2678	rBV2	41383	55170	1.70%	0.180%
42	18.757	2678	2681	2686	rVV2	119568	180353	5.55%	0.588%
43	18.804	2686	2689	2693	rVV	88952	115262	3.55%	0.376%
44	18.845	2693	2696	2700	rVB2	58379	72701	2.24%	0.237%
45	18.921	2704	2709	2713	rBV	249515	386231	11.89%	1.259%
46	18.980	2713	2719	2723	rVV3	108405	238186	7.34%	0.777%
47	19.015	2723	2725	2728	rVB	71714	71839	2.21%	0.234%
48	19.068	2728	2734	2740	rBV2	296051	499976	15.40%	1.630%
49	19.180	2745	2753	2759	rVV	1418208	1892245	58.27%	6.170%
50	19.239	2760	2763	2766	rVV	88533	117152	3.61%	0.382%
51	19.274	2766	2769	2775	rVB3	102998	141194	4.35%	0.460%
52	19.386	2784	2788	2791	rBV3	93782	115868	3.57%	0.378%
53	19.415	2791	2793	2796	rVV2	65015	68631	2.11%	0.224%
54	19.451	2797	2799	2803	rVB2	46943	49860	1.54%	0.163%
55	19.533	2804	2813	2821	rBV	2281774	3247111	100.00%	10.588%
56	19.604	2821	2825	2832	rVB2	98965	156825	4.83%	0.511%
57	19.727	2842	2846	2850	rVB	313276	369262	11.37%	1.204%
58	19.768	2850	2853	2858	rVB	72802	98206	3.02%	0.320%
59	19.857	2862	2868	2878	rBV3	214998	532115	16.39%	1.735%
60	19.939	2879	2882	2885	rBV2	39319	43218	1.33%	0.141%
61	19.992	2886	2891	2893	rBV4	190028	354393	10.91%	1.156%
62	20.092	2905	2908	2909	rBV2	38084	40740	1.25%	0.133%
63	20.121	2909	2913	2917	rVB2	73362	91027	2.80%	0.297%
64	20.174	2917	2922	2926	rBV	368782	479726	14.77%	1.564%
65	20.309	2941	2945	2949	rBV	287474	364269	11.22%	1.188%
66	20.357	2949	2953	2957	rVV	330867	421230	12.97%	1.374%
67	20.409	2959	2962	2966	rVB	120930	136183	4.19%	0.444%
68	20.757	3017	3021	3026	rBV	397823	502542	15.48%	1.639%
69	20.909	3044	3047	3051	rVV2	207541	271206	8.35%	0.884%
70	20.951	3051	3054	3057	rVB	217821	230827	7.11%	0.753%
71	20.992	3058	3061	3065	rVB	120269	139161	4.29%	0.454%
72	21.051	3068	3071	3076	rVB	271652	355266	10.94%	1.158%
73	21.251	3100	3105	3110	rBV2	1240529	2474867	76.22%	8.070%
74	21.298	3110	3113	3118	rVB	1002449	1293450	39.83%	4.218%
75	21.380	3123	3127	3132	rBV	877455	1158658	35.68%	3.778%
76	21.774	3191	3194	3198	rBV	93919	127269	3.92%	0.415%

LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP121521\
Data File : BP008419.D
Acq On : 15 Dec 2021 16:22
Operator : CG/JU
Sample : M5076-13 5X
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
SB-20-C

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-BP121421.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

77	21.833	3201	3204	3208	rVV	322760	445105	13.71%	1.451%
78	21.886	3211	3213	3219	rVB	168228	197153	6.07%	0.643%
79	21.951	3221	3224	3228	rBV2	109190	148410	4.57%	0.484%
80	22.039	3235	3239	3250	rVB2	178141	403446	12.42%	1.316%
81	22.915	3382	3388	3393	rBV	543259	1300252	40.04%	4.240%
82	23.421	3470	3474	3483	rVB	345445	638271	19.66%	2.081%
83	23.527	3486	3492	3499	rVB	495858	969322	29.85%	3.161%
84	23.633	3504	3510	3515	rBV2	474723	902555	27.80%	2.943%

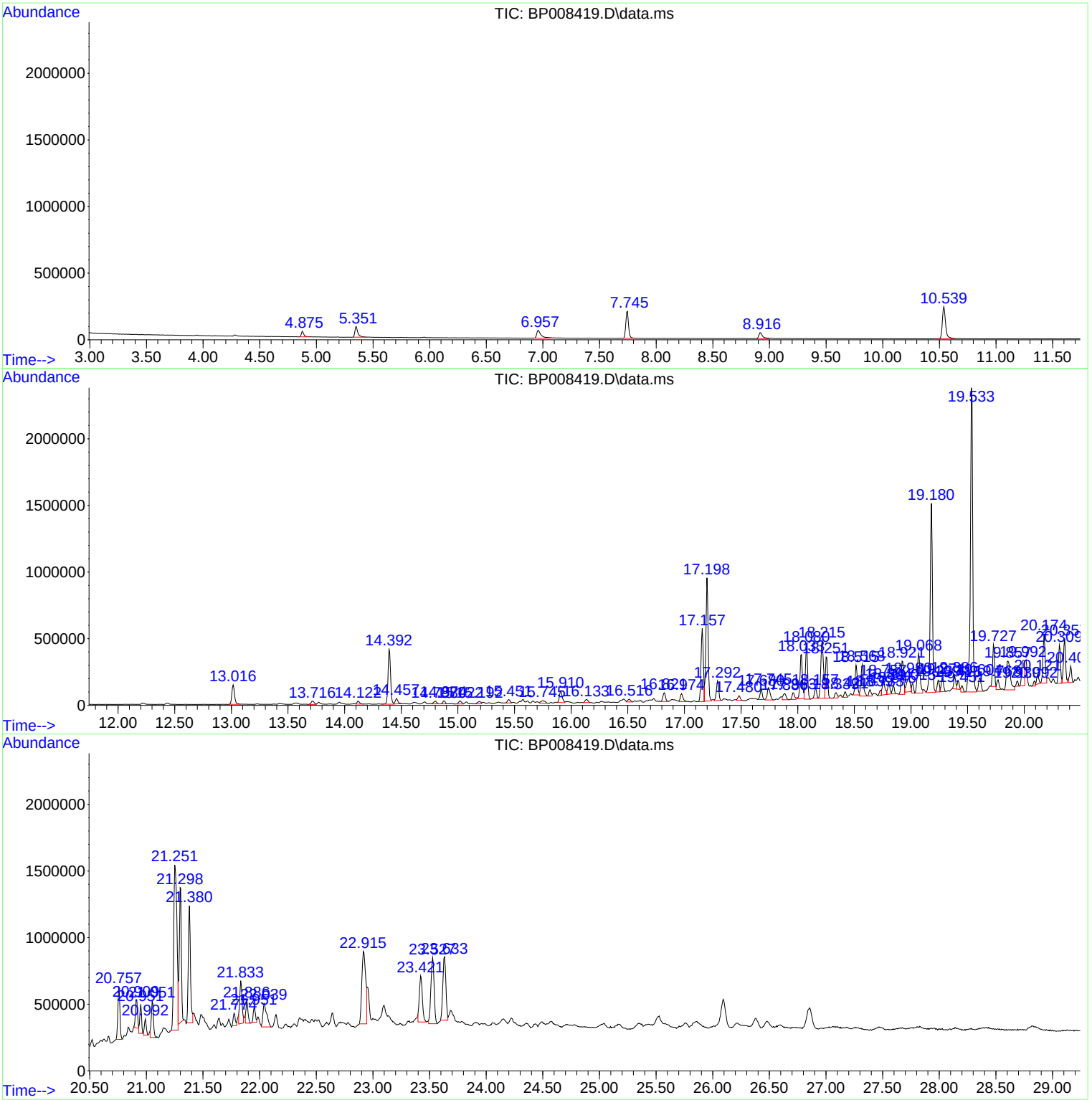
Sum of corrected areas: 30668165

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP121521\
Data File : BP008419.D
Acq On : 15 Dec 2021 16:22
Operator : CG/JU
Sample : M5076-13 5X
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
SB-20-C

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP121421.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\BP121521\
Data File : BP008419.D
Acq On : 15 Dec 2021 16:22
Operator : CG/JU
Sample : M5076-13 5X
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
SB-20-C

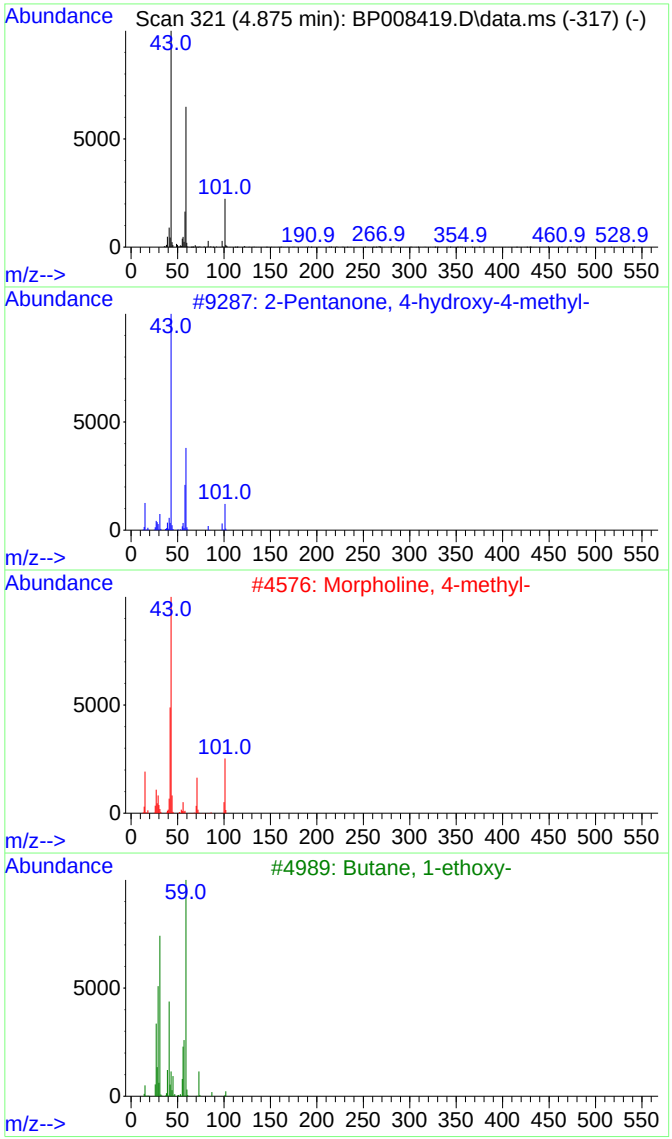
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP121421.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

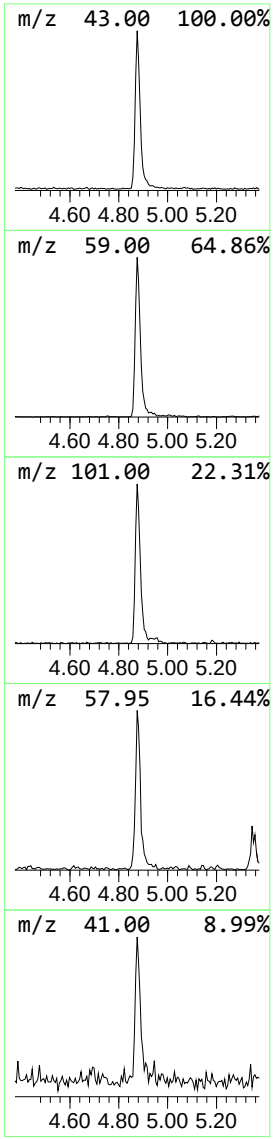
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 1 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.875	3.79 ng	64429	1,4-Dichlorobenzene-d4	7.745

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	64
2	Morpholine, 4-methyl-	101	C5H11NO	000109-02-4	9
3	Butane, 1-ethoxy-	102	C6H14O	000628-81-9	9
4	3-Methyl-6-ethyl--2,4-dioxadecane	188	C11H24O2	1000334-83-2	9
5	1,2-Butanediol	90	C4H10O2	000584-03-2	9





Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP121521\
Data File : BP008419.D
Acq On : 15 Dec 2021 16:22
Operator : CG/JU
Sample : M5076-13 5X
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
SB-20-C

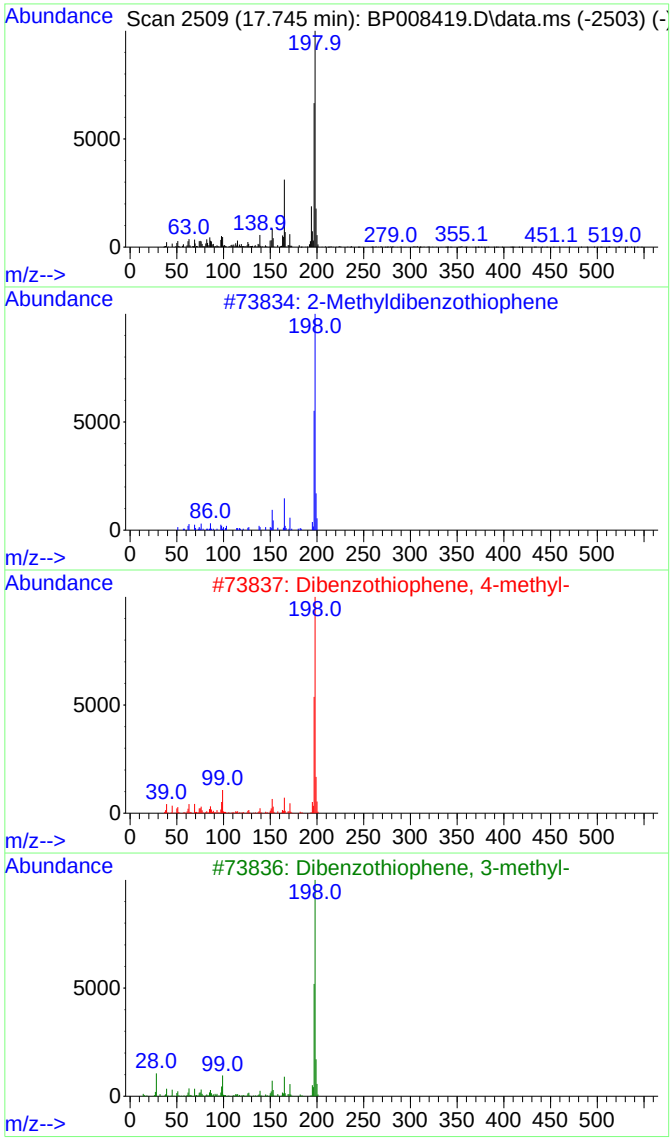
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP121421.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

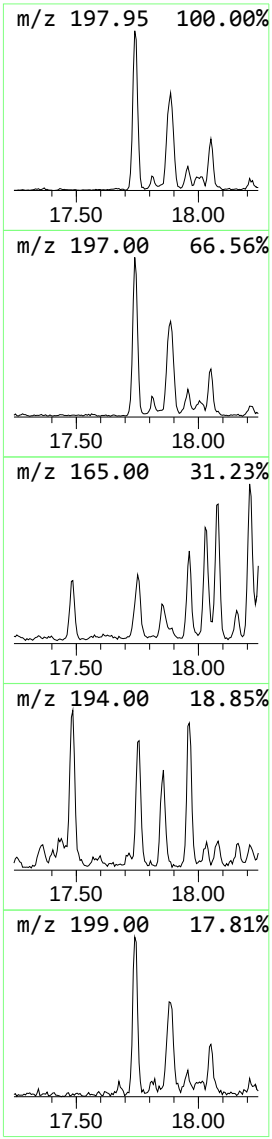
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 2 2-Methyldibenzothiophene Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.745	4.29 ng	164208	Phenanthrene-d10	17.157

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Methyldibenzothiophene	198	C13H10S	1000383-55-1	90
2	Dibenzothiophene, 4-methyl-	198	C13H10S	007372-88-5	87
3	Dibenzothiophene, 3-methyl-	198	C13H10S	016587-52-3	81
4	4-Methylnaphtho[1,2-b]thiophene	198	C13H10S	067388-11-8	72
5	Thioxanthene	198	C13H10S	000261-31-4	70





Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP121521\
Data File : BP008419.D
Acq On : 15 Dec 2021 16:22
Operator : CG/JU
Sample : M5076-13 5X
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
SB-20-C

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP121421.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

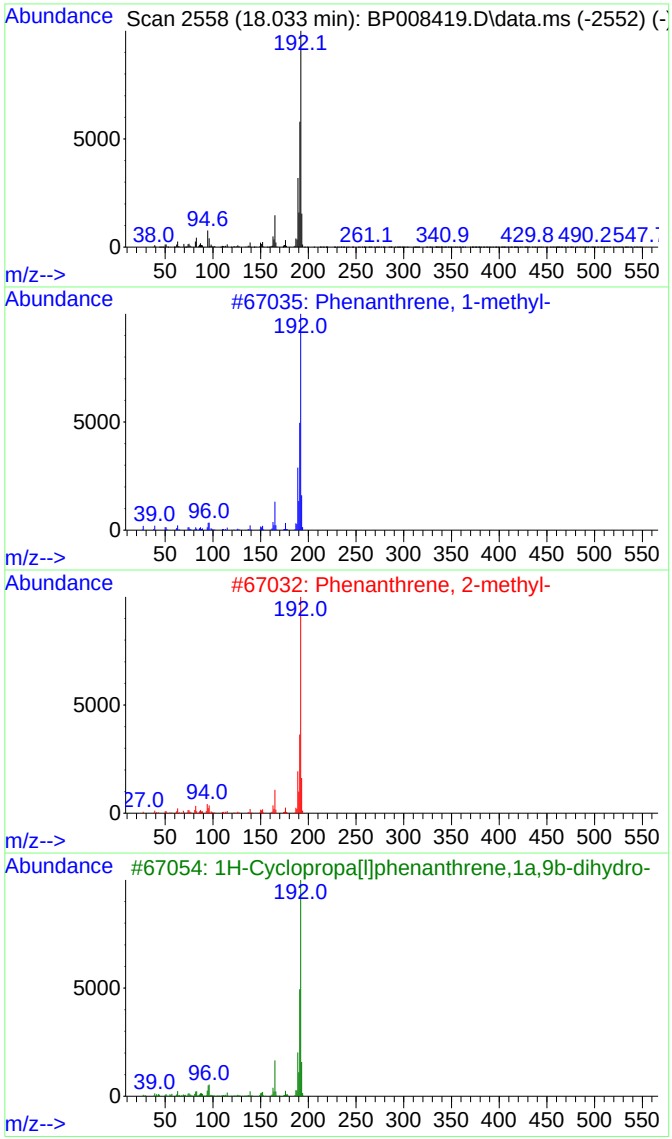
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

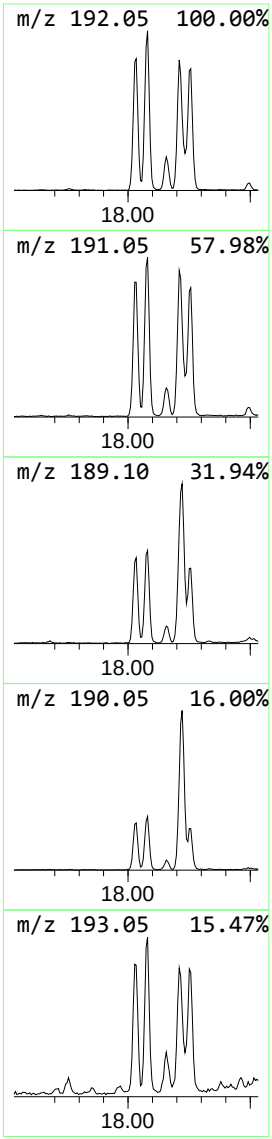
****

Peak Number 3 Phenanthrene, 1-methyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.033	12.64 ng	483513	Phenanthrene-d10	17.157

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	97
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	95
3	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	95
4	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	94
5	Anthracene, 2-methyl-	192	C15H12	000613-12-7	94





Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP121521\
Data File : BP008419.D
Acq On : 15 Dec 2021 16:22
Operator : CG/JU
Sample : M5076-13 5X
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
SB-20-C

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP121421.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

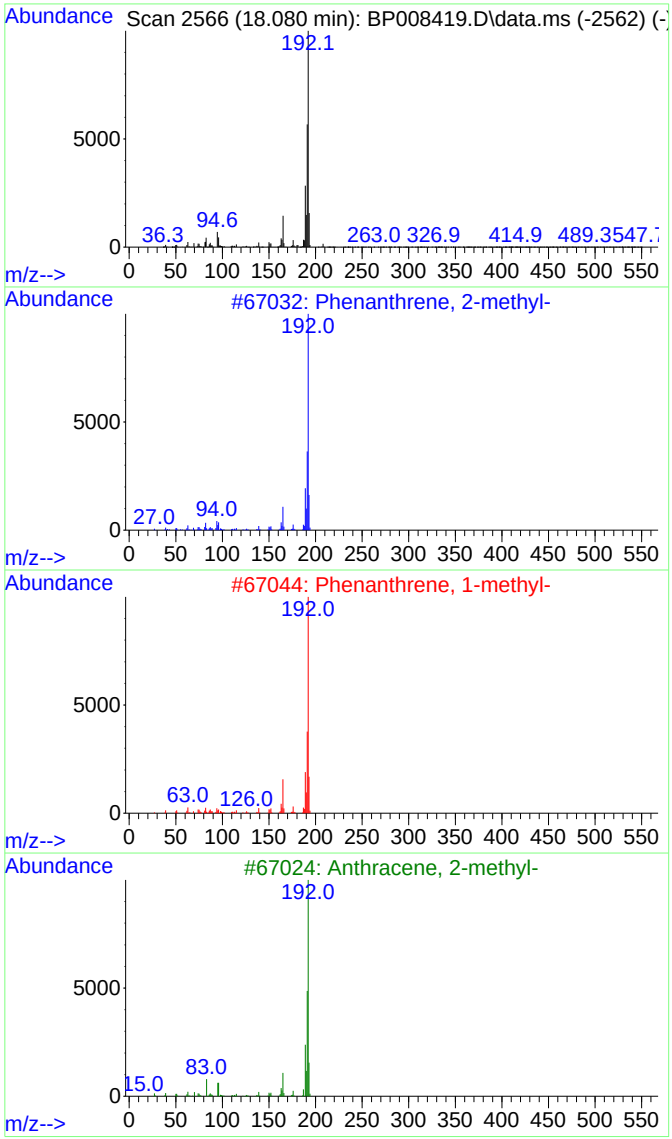
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

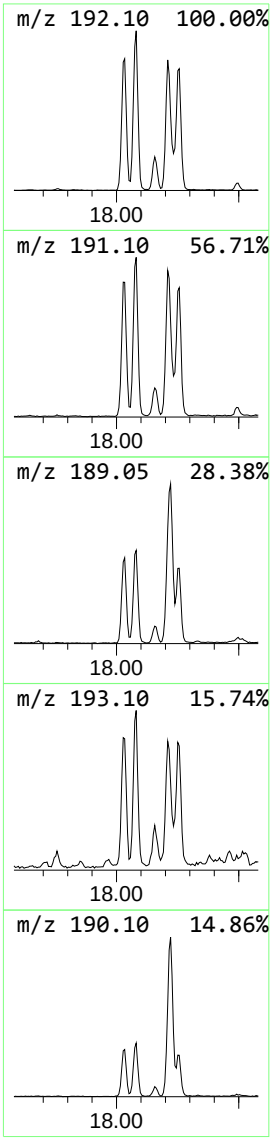
****

Peak Number 4 Phenanthrene, 2-methyl- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.080	14.17 ng	542052	Phenanthrene-d10	17.157

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	95
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	95
4	Anthracene, 1-methyl-	192	C15H12	000610-48-0	93
5	Anthracene, 9-methyl-	192	C15H12	000779-02-2	91





Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP121521\
Data File : BP008419.D
Acq On : 15 Dec 2021 16:22
Operator : CG/JU
Sample : M5076-13 5X
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
SB-20-C

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP121421.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

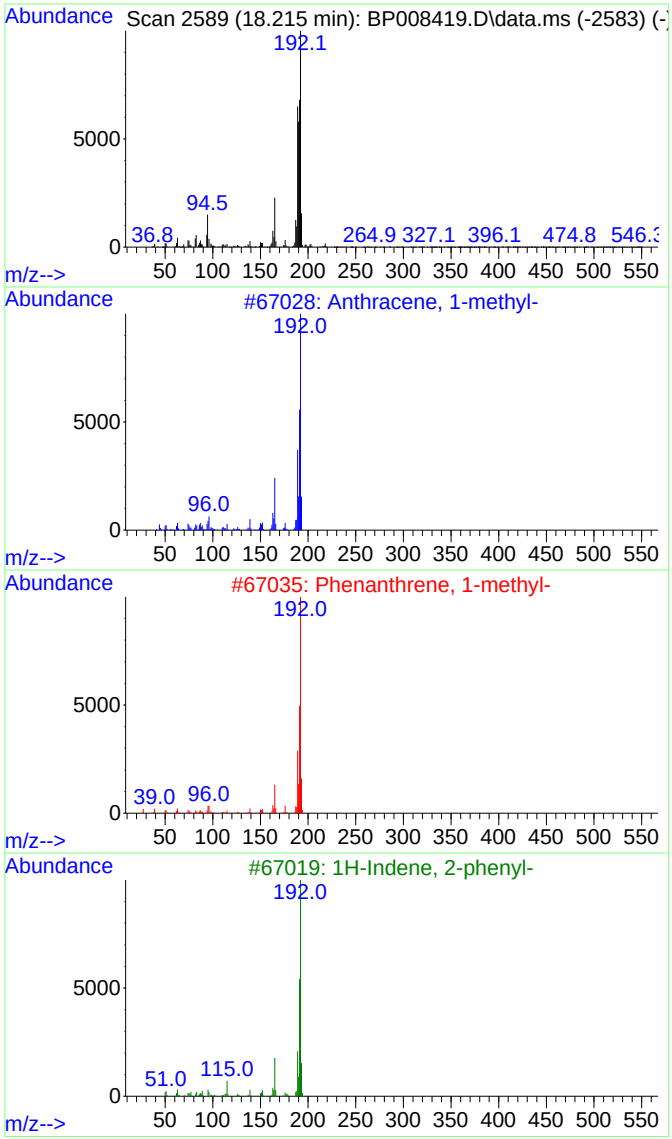
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

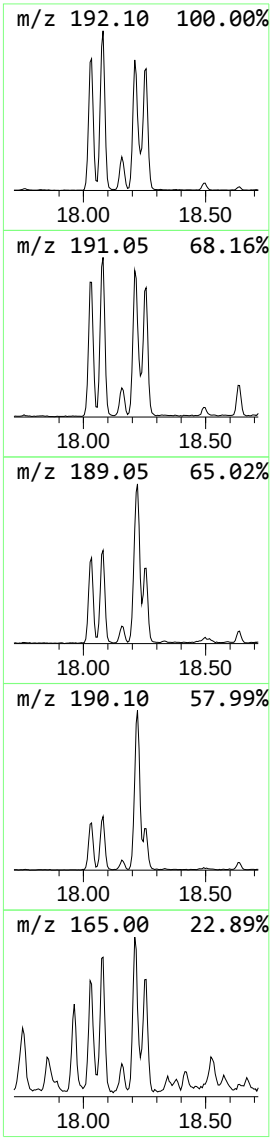
****

Peak Number 5 Anthracene, 1-methyl- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.215	19.42 ng	742780	Phenanthrene-d10	17.157

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 1-methyl-	192	C15H12	000610-48-0	60
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	60
3	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	60
4	Anthracene, 2-methyl-	192	C15H12	000613-12-7	55
5	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	55





Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP121521\
Data File : BP008419.D
Acq On : 15 Dec 2021 16:22
Operator : CG/JU
Sample : M5076-13 5X
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
SB-20-C

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP121421.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

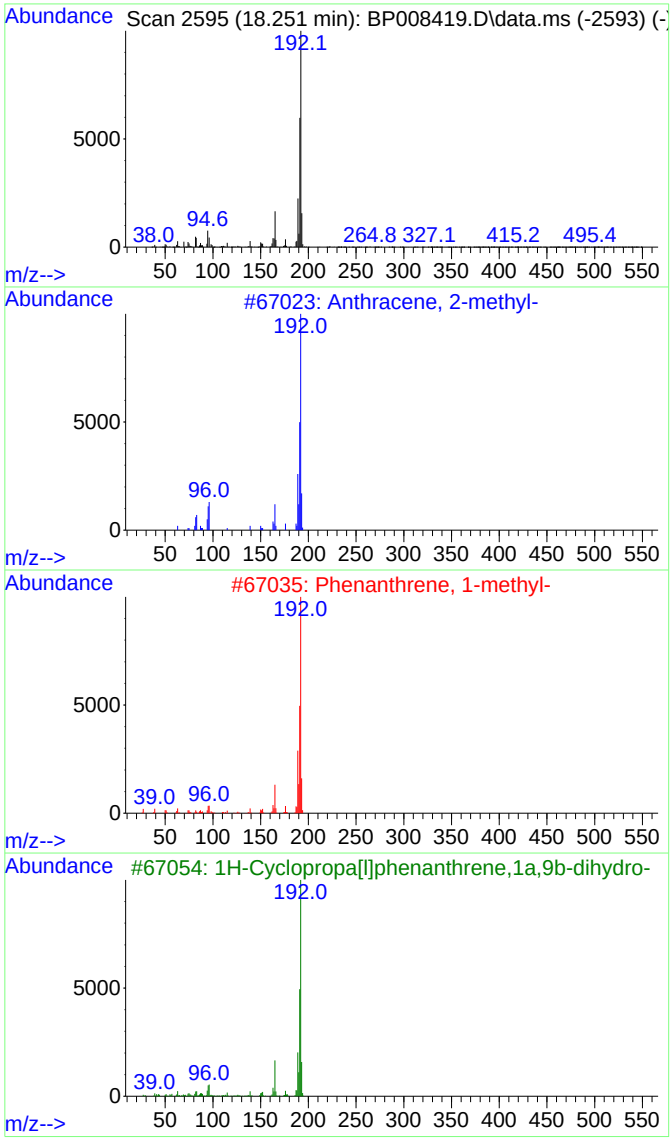
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

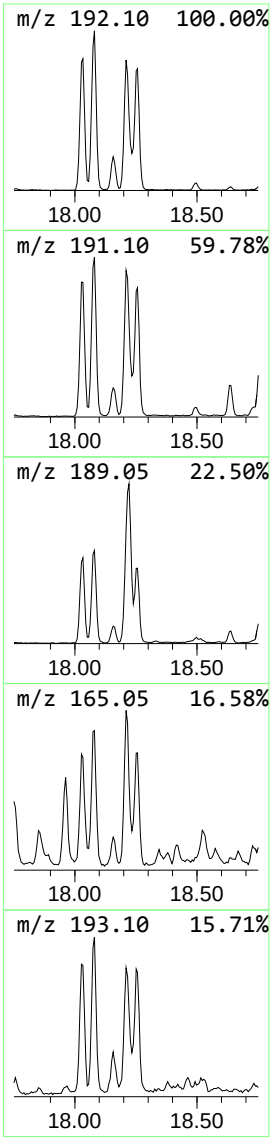
****

Peak Number 6 Anthracene, 2-methyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.251	10.21 ng	390464	Phenanthrene-d10	17.157

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 2-methyl-	192	C15H12	000613-12-7	91
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	90
3	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	90
4	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	90
5	Anthracene, 9-methyl-	192	C15H12	000779-02-2	87





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Data File : BP008419.D
Acq On : 15 Dec 2021 16:22
Operator : CG/JU
Sample : M5076-13 5X
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
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ClientSampleId :
SB-20-C

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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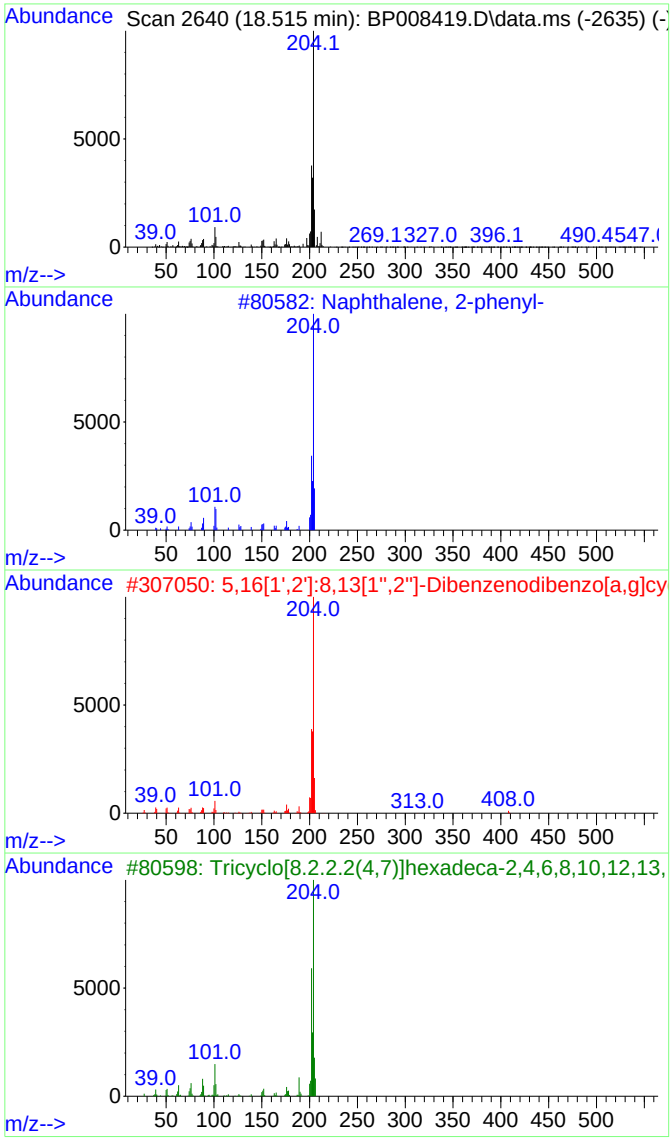
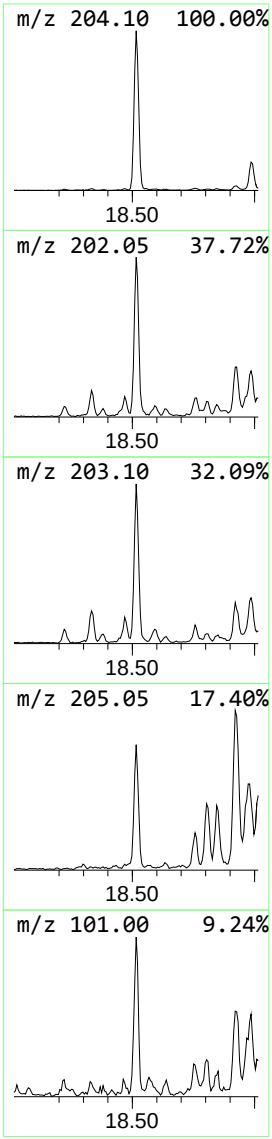
Peak Number 7 Naphthalene, 2-phenyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.515	7.99 ng	305750	Phenanthrene-d10	17.157

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	89
2	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	87
3	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	68
4	5H-Dibenzo[a,d]cycloheptene, 5-m...	204	C16H12	002975-79-3	60
5	9,10-Bis(bromomethyl)anthracene	362	C16H12Br2	034373-96-1	52





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Operator : CG/JU
Sample : M5076-13 5X
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
SB-20-C

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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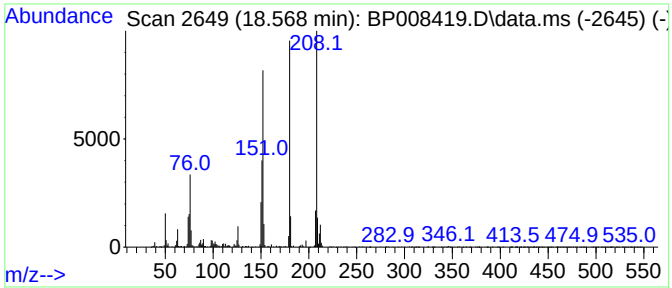
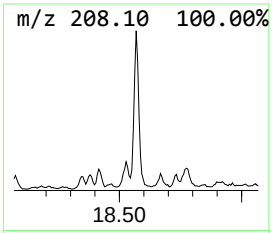
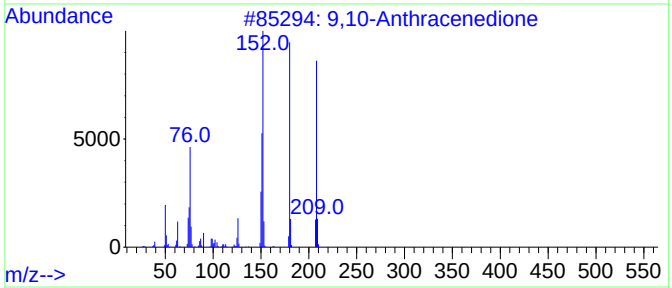
Peak Number 8 9,10-Anthracenedione Concentration Rank 9

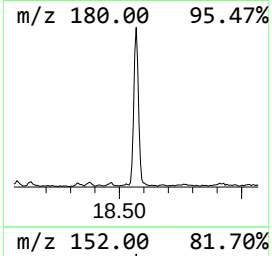
R.T.	EstConc	Area	Relative to ISTD	R.T.
18.568	8.99 ng	344088	Phenanthrene-d10	17.157

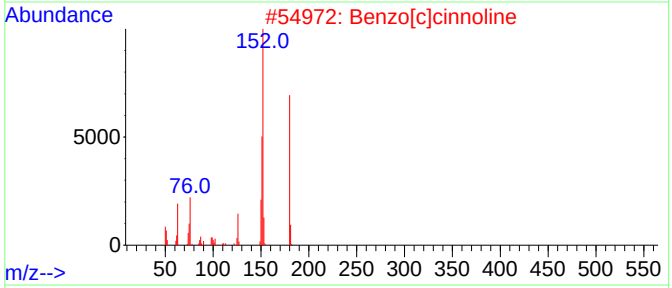
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Anthracenedione	208	C14H8O2	000084-65-1	98
2	Benzo[c]cinnoline	180	C12H8N2	000230-17-1	83
3	Benzo[h]cinnoline	180	C12H8N2	000230-31-9	58
4	1H-Phenalen-1-one	180	C13H8O	000548-39-0	55
5	1,4-Anthracenedione	208	C14H8O2	000635-12-1	53

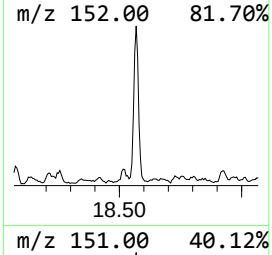


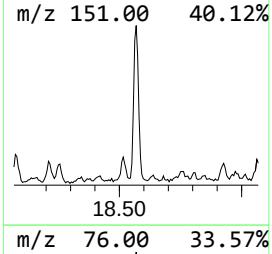


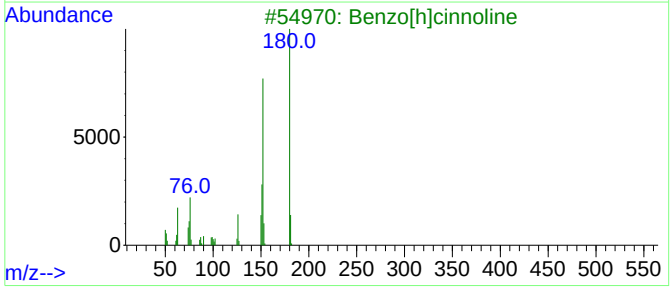


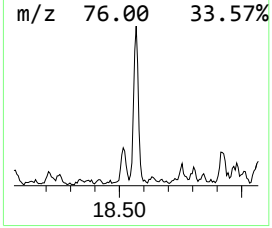












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Data File : BP008419.D
Acq On : 15 Dec 2021 16:22
Operator : CG/JU
Sample : M5076-13 5X
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
SB-20-C

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP121421.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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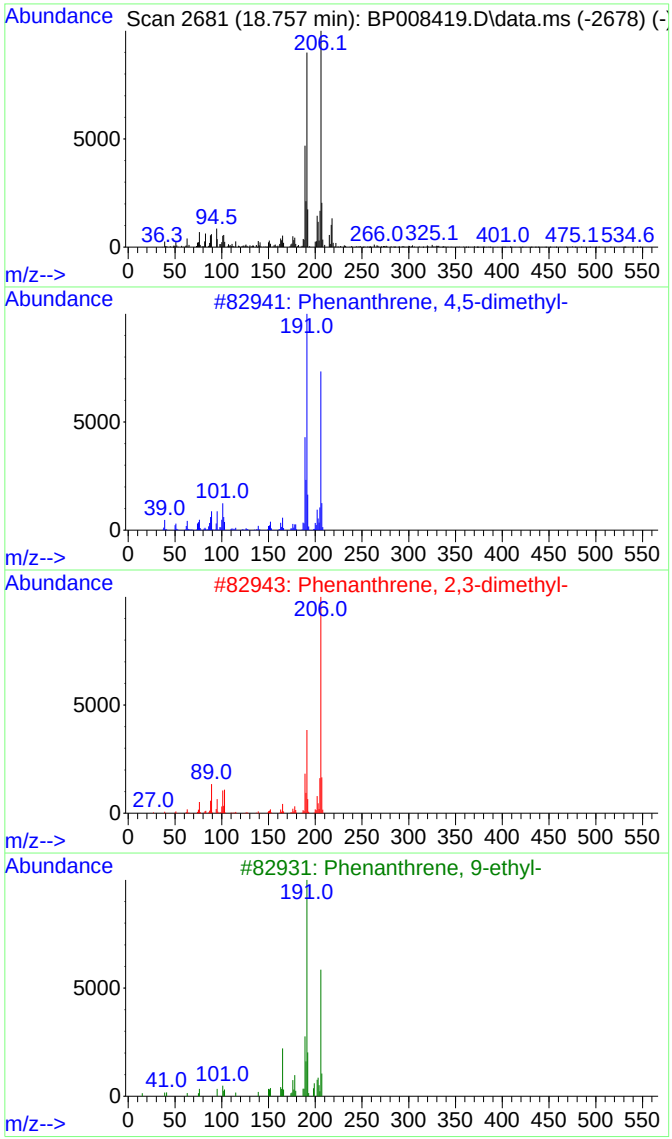
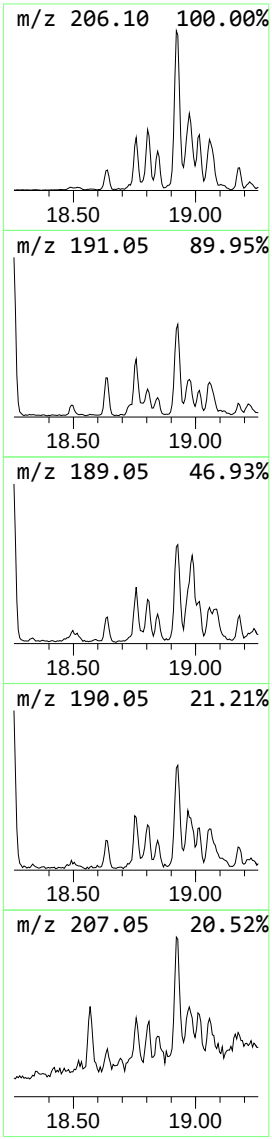
Peak Number 9 Phenanthrene, 4,5-dimethyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.757	4.71 ng	180353	Phenanthrene-d10	17.157

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 4,5-dimethyl-	206	C16H14	003674-69-9	94
2	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	83
3	Phenanthrene, 9-ethyl-	206	C16H14	003674-75-7	76
4	1,3-Diphenyl-3-methylcyclopropene	206	C16H14	086544-79-8	72
5	Anthracene, 2-ethyl-	206	C16H14	052251-71-5	72





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Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
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ClientSampleId :
SB-20-C

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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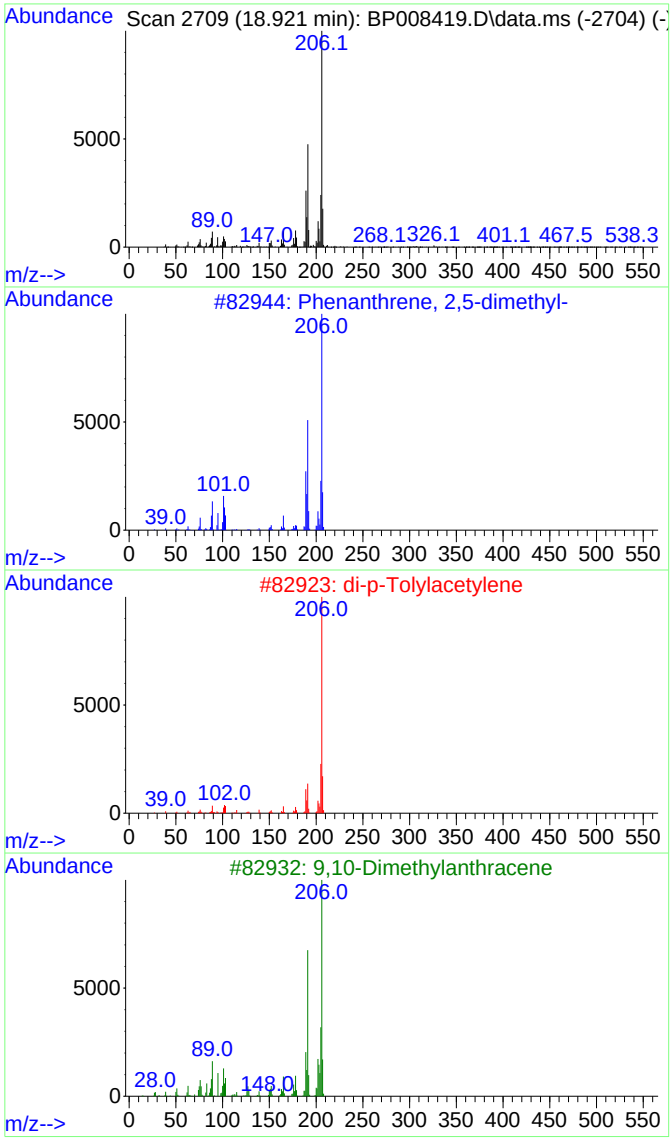
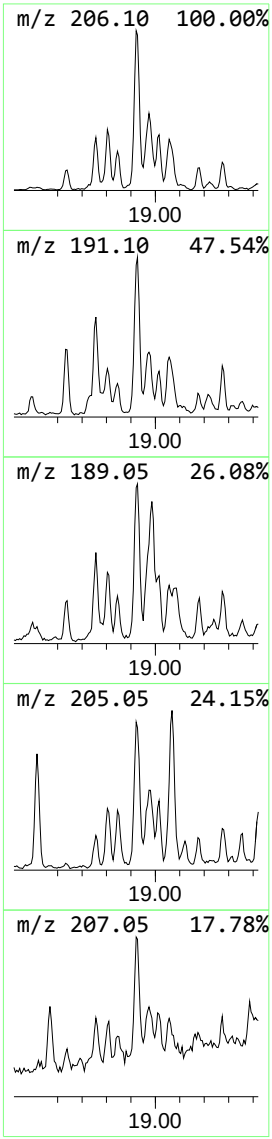
Peak Number 10 Phenanthrene, 2,5-dimethyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.921	10.10 ng	386231	Phenanthrene-d10	17.157

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	93
2	di-p-Tolylacetylene	206	C16H14	002789-88-0	93
3	9,10-Dimethylanthracene	206	C16H14	000781-43-1	91
4	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	90
5	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	90





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Misc :
ALS Vial : 12 Sample Multiplier: 1

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ClientSampleId :
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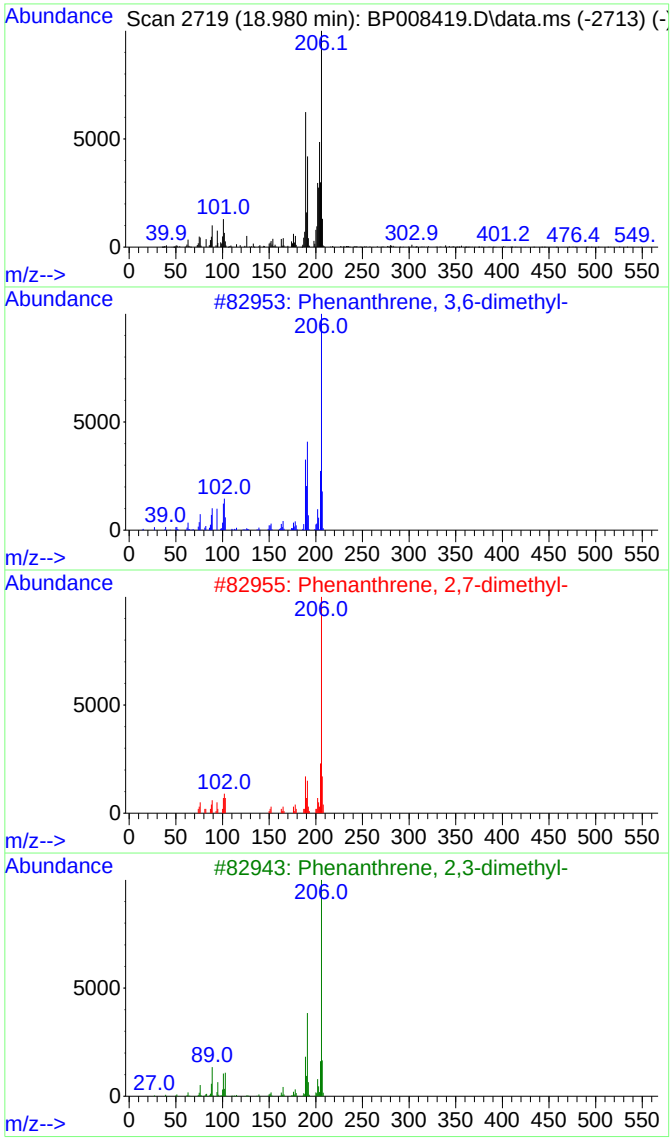
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

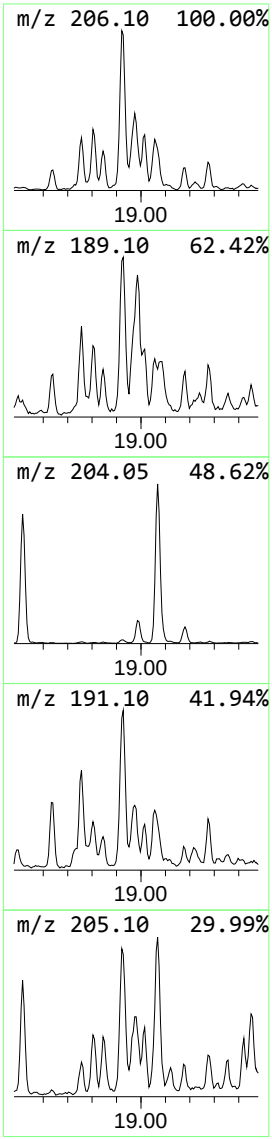
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 11 Phenanthrene, 3,6-dimethyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.980	6.23 ng	238186	Phenanthrene-d10	17.157

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	70
2	Phenanthrene, 2,7-dimethyl-	206	C16H14	001576-69-8	58
3	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	49
4	3,5-Dichloro-4-hydroxybenzoic acid	206	C7H4Cl2O3	003336-41-2	49
5	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	46





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Sample : M5076-13 5X
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP121421.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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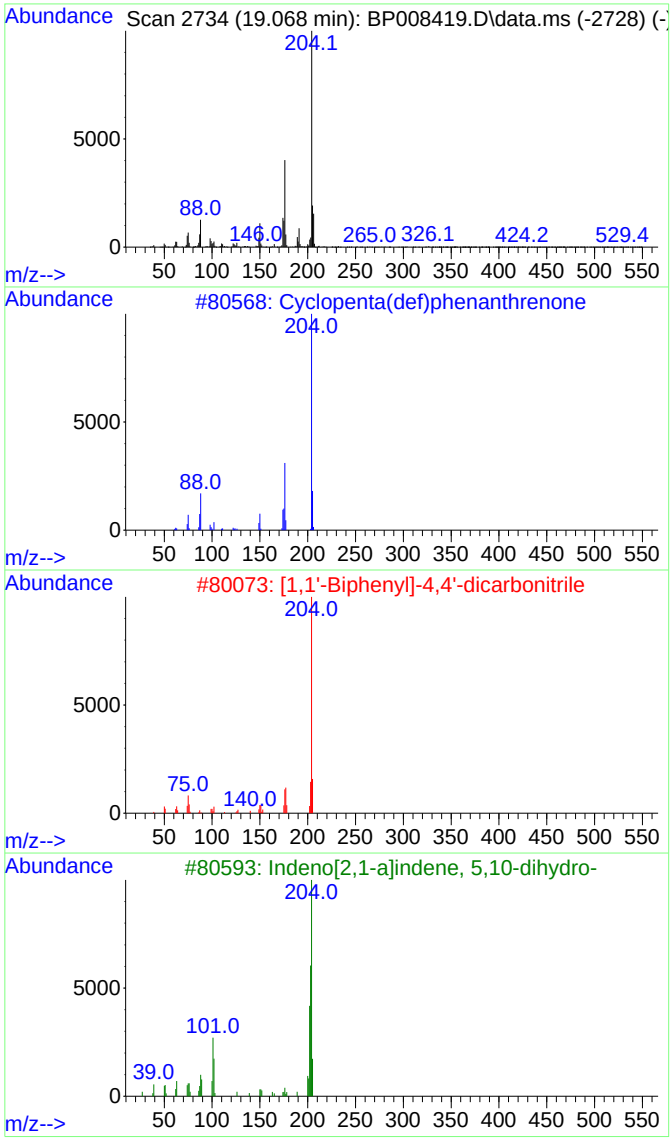
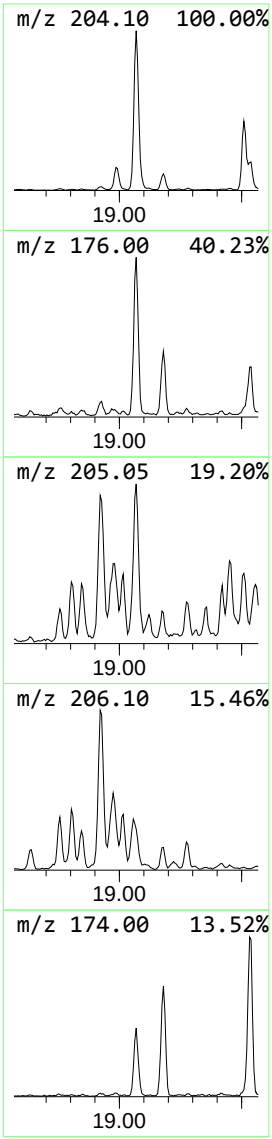
Peak Number 12 Cyclopenta(def)phenanthrenone Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.068	13.07 ng	499976	Phenanthrene-d10	17.157

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	93
2	[1,1'-Biphenyl]-4,4'-dicarbonitrile	204	C14H8N2	001591-30-6	53
3	Indeno[2,1-a]indene, 5,10-dihydro-	204	C16H12	006543-29-9	47
4	1,2,4,8-Tetramethylbicyclo[6.3.0...	204	C15H24	137235-51-9	46
5	[1,1'-Biphenyl]-2,2'-dicarbonitrile	204	C14H8N2	004341-02-0	43





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Misc :
ALS Vial : 12 Sample Multiplier: 1

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ClientSampleId :
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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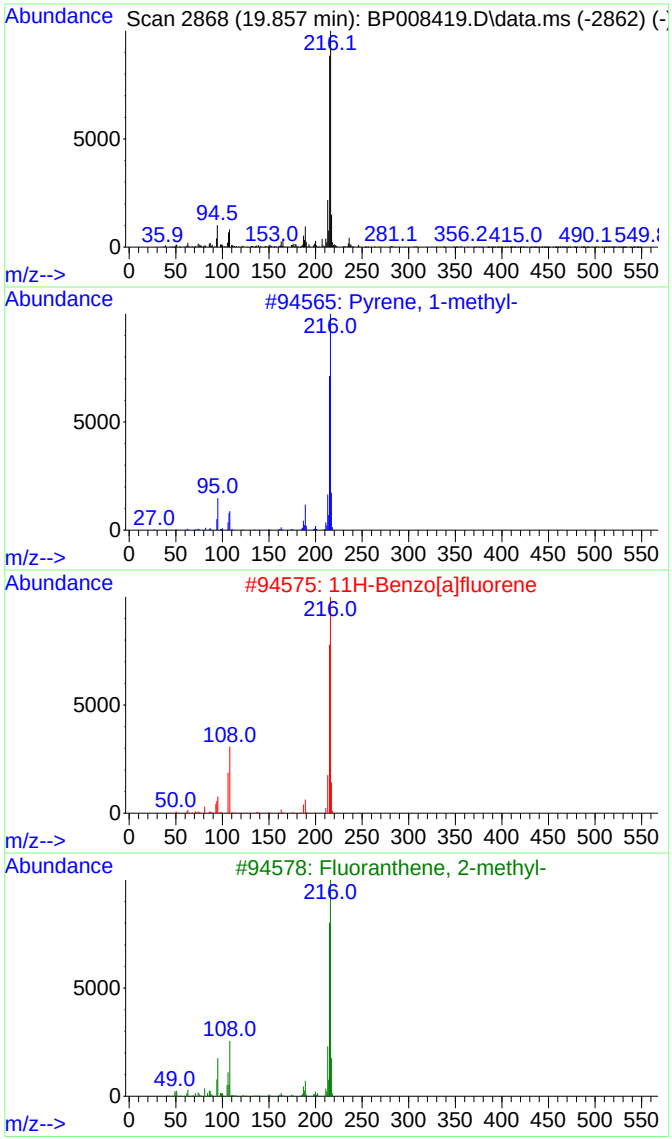
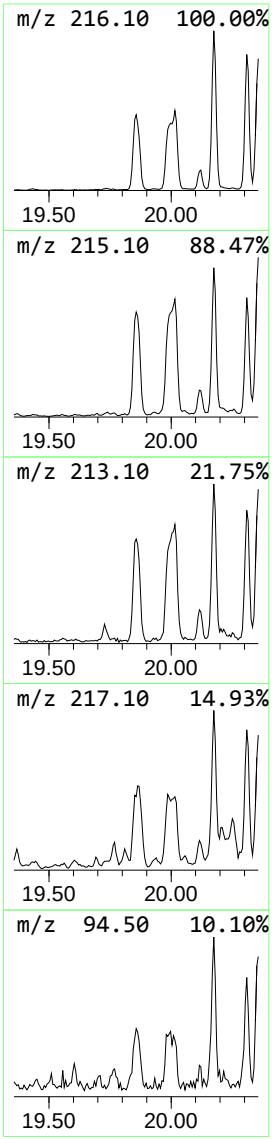
Peak Number 13 11H-Benzo[a]fluorene Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.857	4.30 ng	532115	Chrysene-d12	21.262

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	93
2	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	93
3	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	90
4	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	87
5	Pyrene, 2-methyl-	216	C17H12	003442-78-2	86





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Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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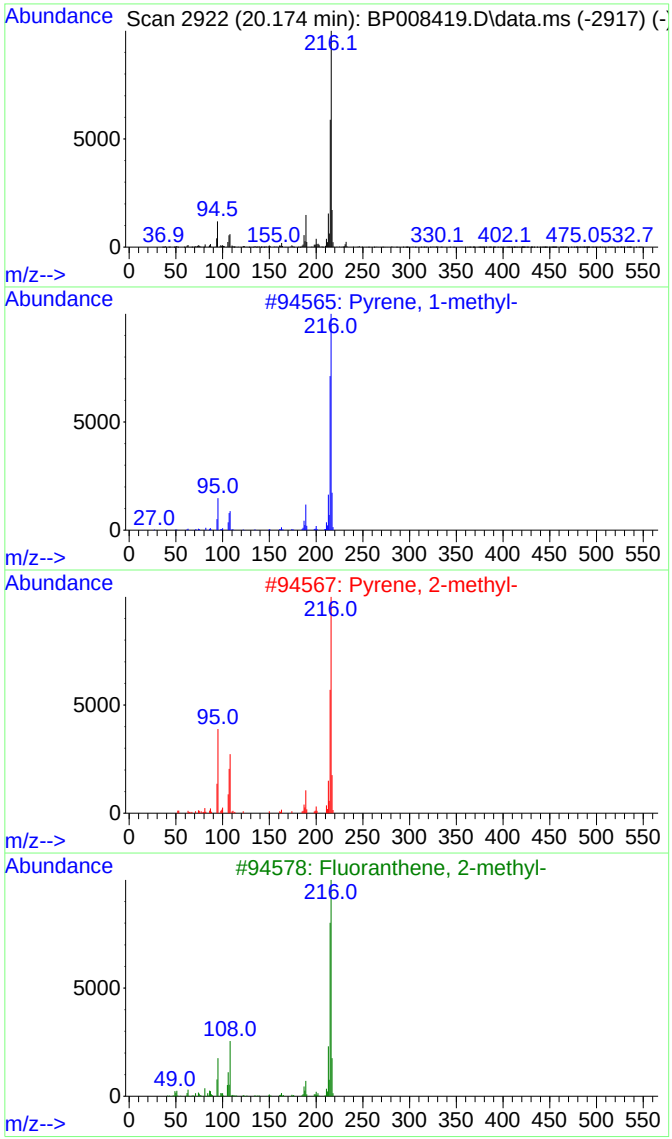
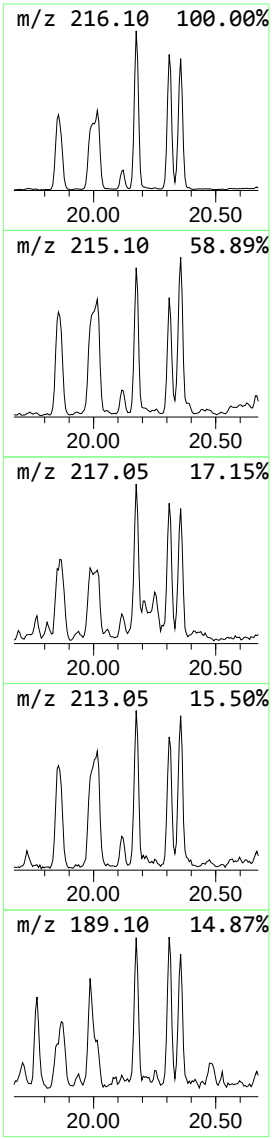
Peak Number 14 Pyrene, 1-methyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.174	3.88 ng	479726	Chrysene-d12	21.262

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	96
2	Pyrene, 2-methyl-	216	C17H12	003442-78-2	94
3	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	93
4	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	91
5	Pyrene, 4-methyl-	216	C17H12	003353-12-6	90





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Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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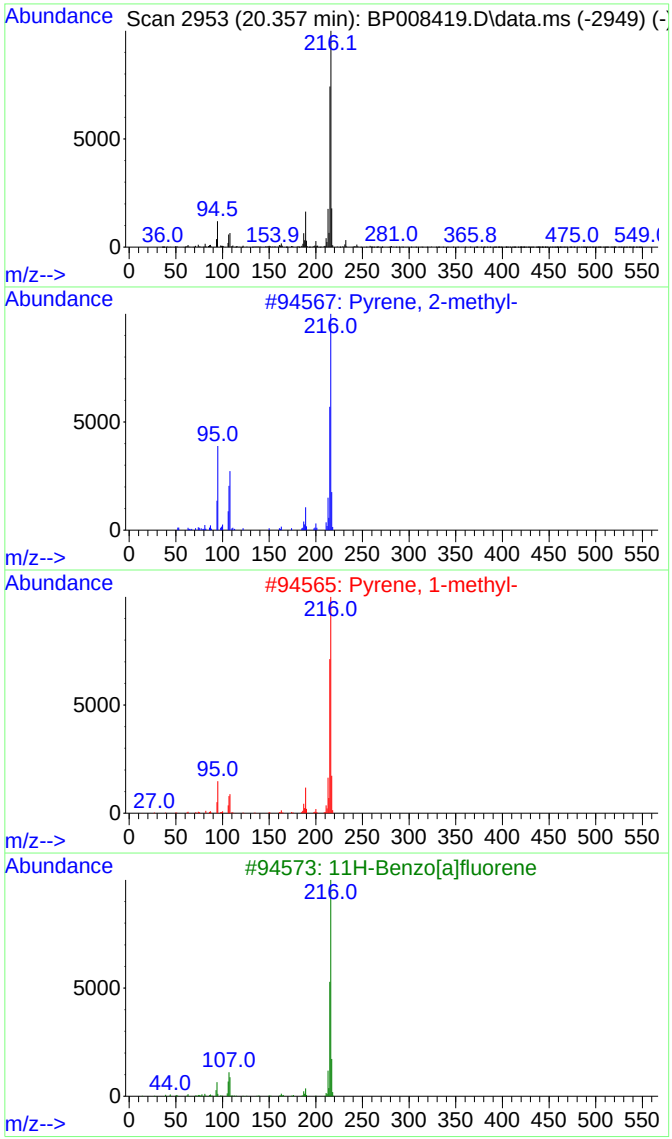
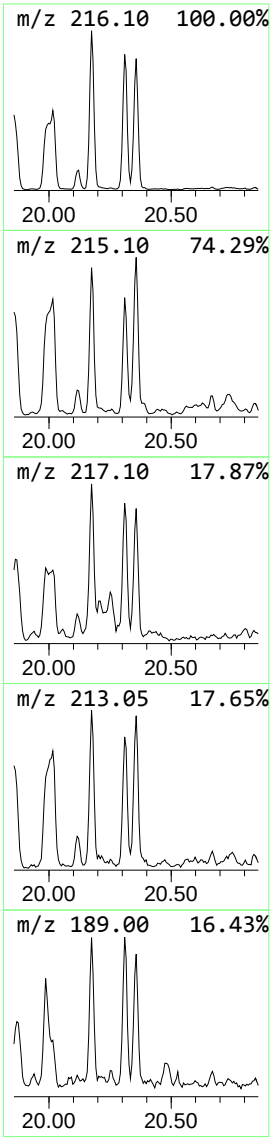
Peak Number 15 Pyrene, 2-methyl- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.357	3.40 ng	421230	Chrysene-d12	21.262

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 2-methyl-	216	C17H12	003442-78-2	94
2	Pyrene, 1-methyl-	216	C17H12	002381-21-7	93
3	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	90
4	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	90
5	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	87





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ClientSampleId :
SB-20-C

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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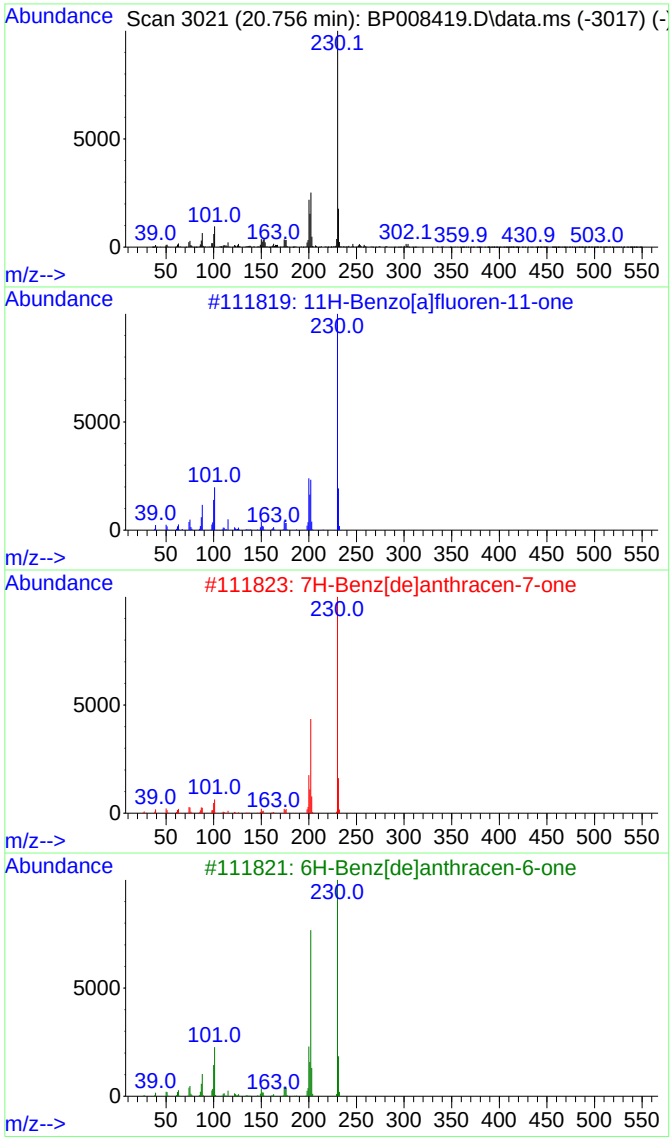
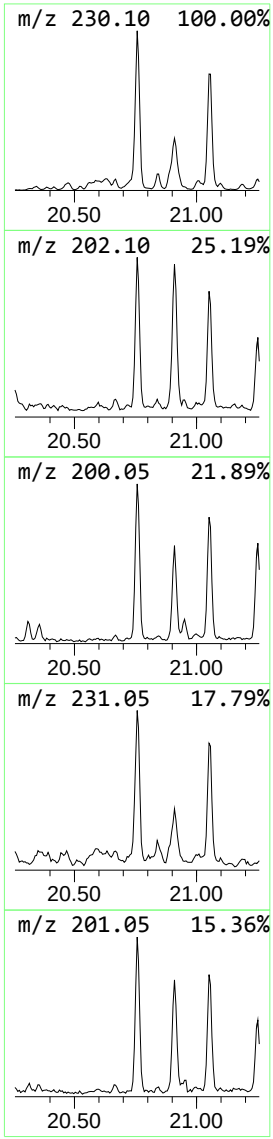
Peak Number 16 11H-Benzo[a]fluoren-11-one Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.756	4.06 ng	502542	Chrysene-d12	21.262

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[a]fluoren-11-one	230	C17H10O	000479-79-8	97
2	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	90
3	6H-Benz[de]anthracen-6-one	230	C17H10O	080252-14-8	76
4	1-Pyrenecarboxaldehyde	230	C17H10O	003029-19-4	72
5	4-Pyrenecarbaldehyde	230	C17H10O	022245-51-8	72





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Data File : BP008419.D
Acq On : 15 Dec 2021 16:22
Operator : CG/JU
Sample : M5076-13 5X
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
SB-20-C

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP121421.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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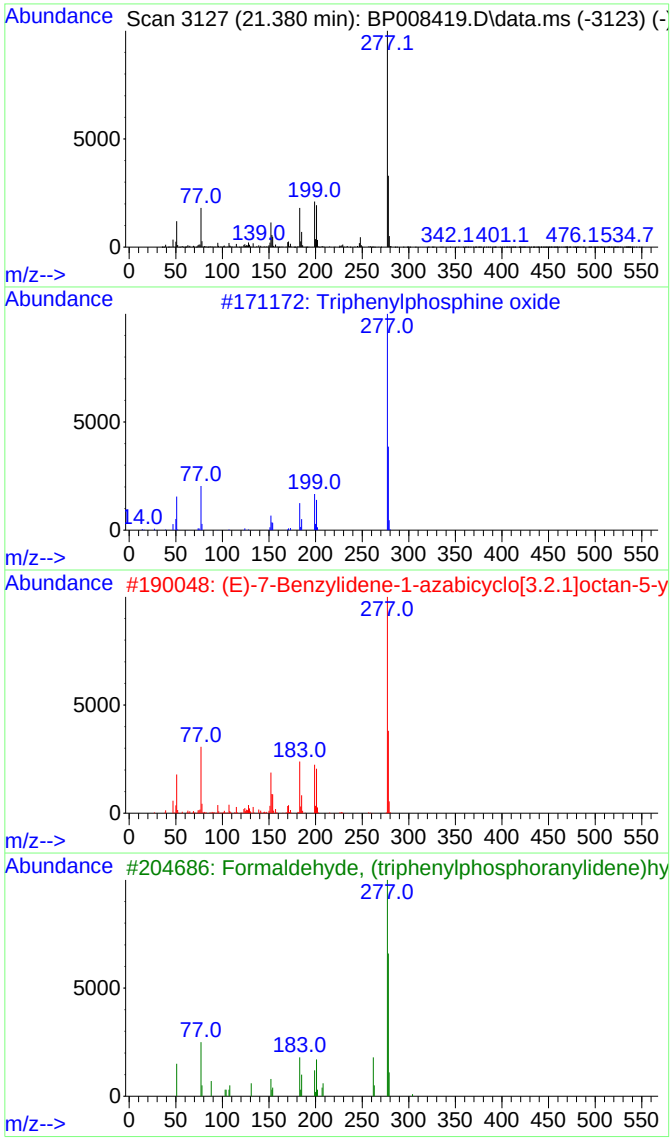
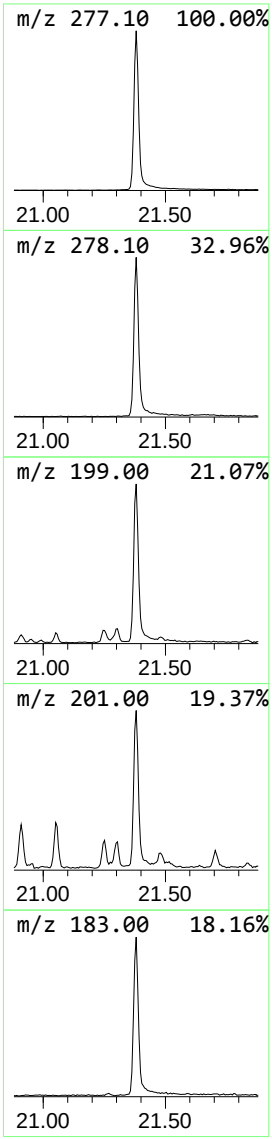
Peak Number 17 Triphenylphosphine oxide Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.380	9.36 ng	1158660	Chrysene-d12	21.262

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Triphenylphosphine oxide	278	C18H15OP	000791-28-6	98
2	(E)-7-Benzylidene-1-azabicyclo[3...	293	C15H19NO3S	1000483-83-4	46
3	Formaldehyde, (triphenylphosphor...	304	C19H17N2P	015990-54-2	45
4	3-(3,4-Dichlorophenyl)-2-thioxo-...	277	C9H5Cl2NOS2	017046-34-3	43
5	5-quinolinol, 8-[2-(3,5-dimethyl...	277	C17H15N3O	1000397-10-2	38





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Data File : BP008419.D
Acq On : 15 Dec 2021 16:22
Operator : CG/JU
Sample : M5076-13 5X
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
SB-20-C

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP121421.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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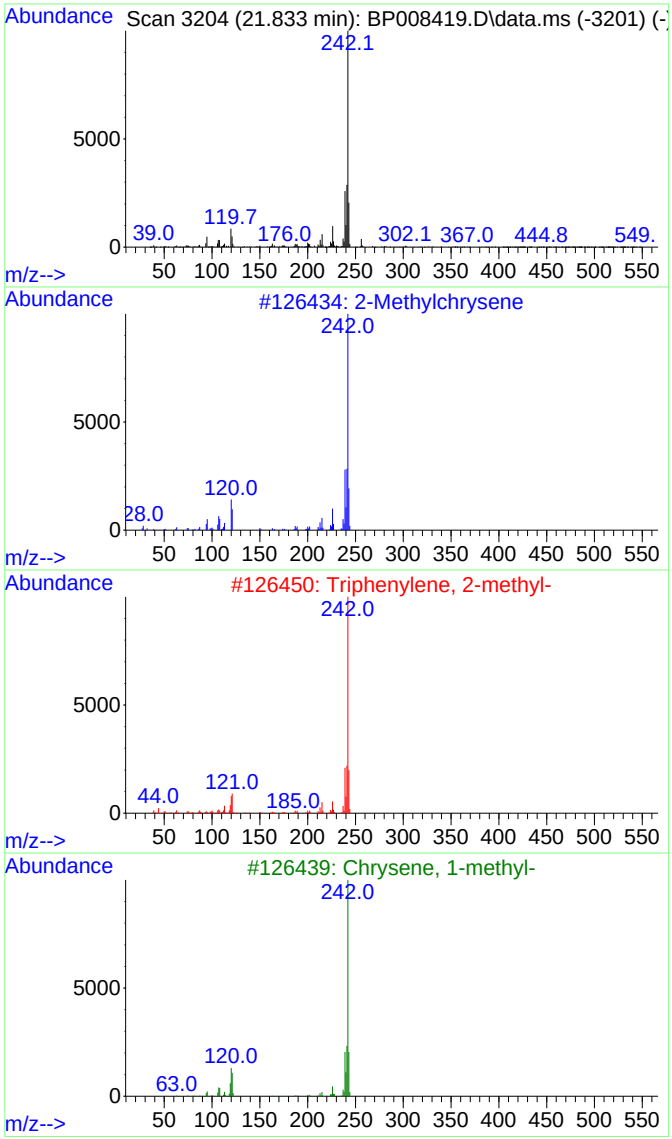
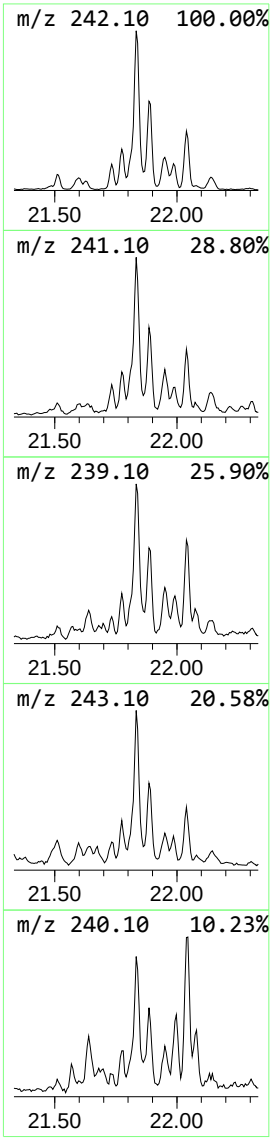
Peak Number 18 2-Methylchrysene Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.833	3.60 ng	445105	Chrysene-d12	21.262

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Methylchrysene	242	C19H14	003351-32-4	94
2	Triphenylene, 2-methyl-	242	C19H14	001705-84-6	91
3	Chrysene, 1-methyl-	242	C19H14	003351-28-8	91
4	Benz[a]anthracene, 8-methyl-	242	C19H14	002381-31-9	90
5	Chrysene, 5-methyl-	242	C19H14	003697-24-3	90





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Data File : BP008419.D
Acq On : 15 Dec 2021 16:22
Operator : CG/JU
Sample : M5076-13 5X
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
SB-20-C

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP121421.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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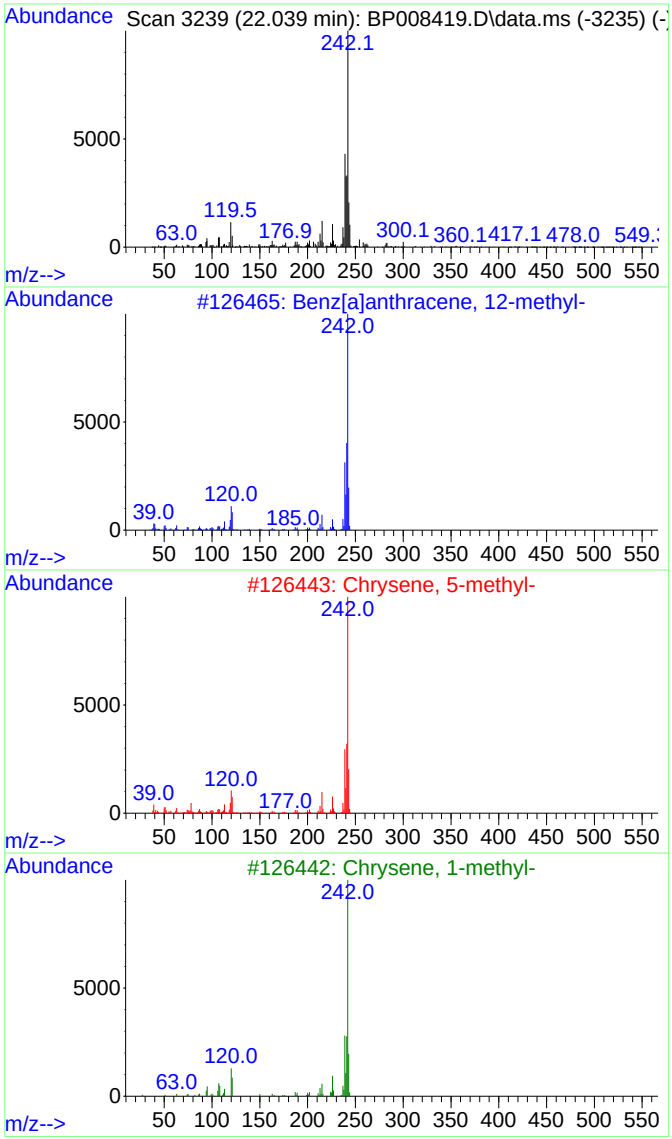
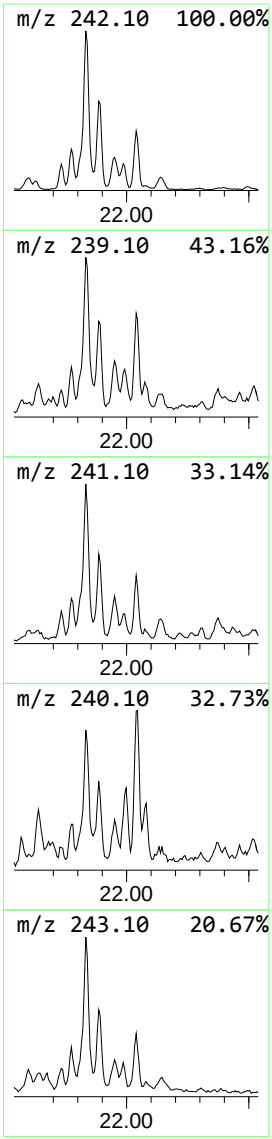
Peak Number 19 Benz[a]anthracene, 12-methyl- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
22.039	3.26 ng	403446	Chrysene-d12	21.262

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benz[a]anthracene, 12-methyl-	242	C19H14	002422-79-9	91
2	Chrysene, 5-methyl-	242	C19H14	003697-24-3	91
3	Chrysene, 1-methyl-	242	C19H14	003351-28-8	64
4	Benz[a]anthracene, 7-methyl-	242	C19H14	002541-69-7	64
5	Chrysene, 4-methyl-	242	C19H14	003351-30-2	64





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Data File : BP008419.D
Acq On : 15 Dec 2021 16:22
Operator : CG/JU
Sample : M5076-13 5X
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
SB-20-C

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP121421.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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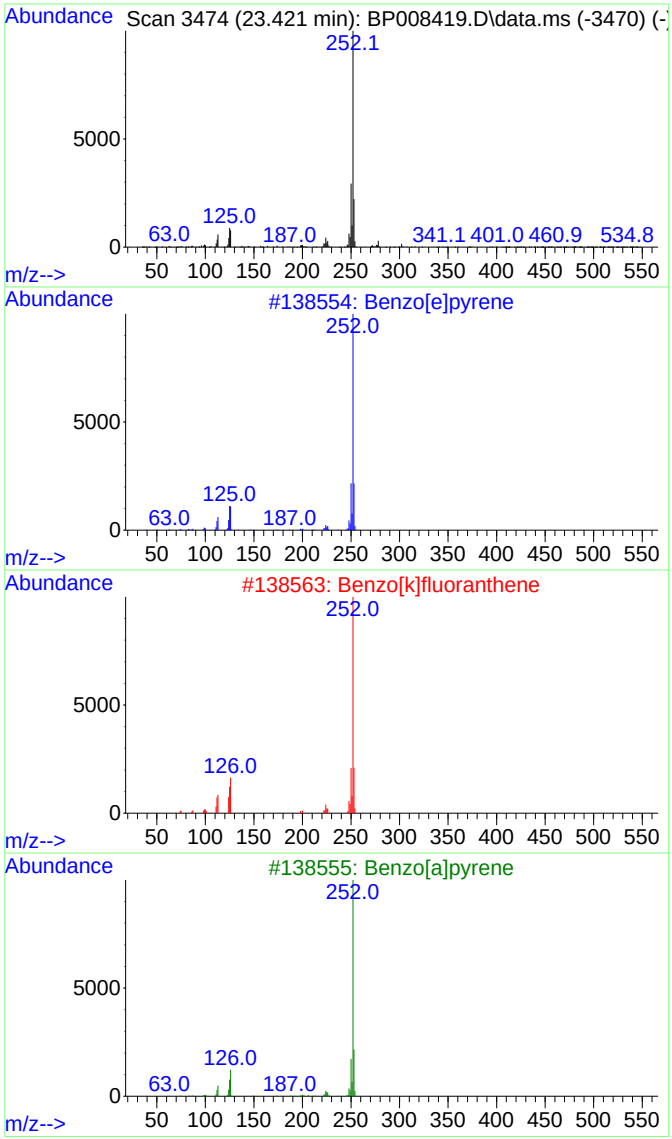
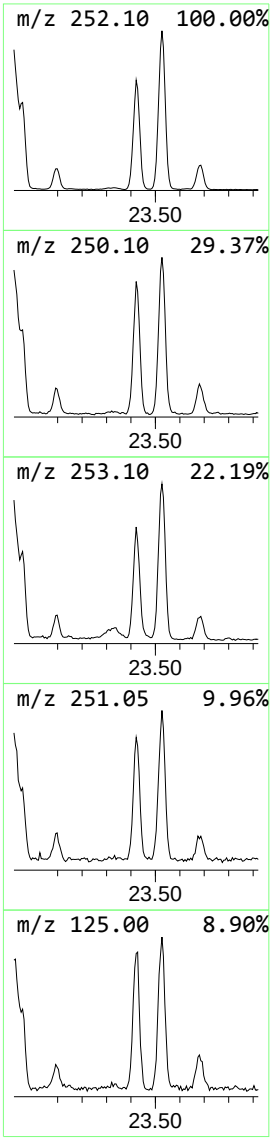
Peak Number 20 Benzo[e]pyrene Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
23.421	14.14 ng	638271	Perylene-d12	23.633

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	97
2	Benzo[k]fluoranthene	252	C20H12	000207-08-9	97
3	Benzo[a]pyrene	252	C20H12	000050-32-8	93
4	Benzo[b]fluoranthene	252	C20H12	000205-99-2	90
5	Perylene	252	C20H12	000198-55-0	89





Tentatively Identified Compound (LSC) summary

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP121521\
Data File : BP008419.D
Acq On : 15 Dec 2021 16:22
Operator : CG/JU
Sample : M5076-13 5X
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
SB-20-C

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP121421.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
2-Pentanone, 4-...	4.875	3.8	ng	64429	1	7.745	339696	20.0
2-Methyldibenzo...	17.745	4.3	ng	164208	4	17.157	765091	20.0
Phenanthrene, 1...	18.033	12.6	ng	483513	4	17.157	765091	20.0
Phenanthrene, 2...	18.080	14.2	ng	542052	4	17.157	765091	20.0
Anthracene, 1-m...	18.215	19.4	ng	742780	4	17.157	765091	20.0
Anthracene, 2-m...	18.251	10.2	ng	390464	4	17.157	765091	20.0
Naphthalene, 2-...	18.515	8.0	ng	305750	4	17.157	765091	20.0
9,10-Anthracene...	18.568	9.0	ng	344088	4	17.157	765091	20.0
Phenanthrene, 4...	18.757	4.7	ng	180353	4	17.157	765091	20.0
Phenanthrene, 2...	18.921	10.1	ng	386231	4	17.157	765091	20.0
Phenanthrene, 3...	18.980	6.2	ng	238186	4	17.157	765091	20.0
Cyclopenta(def)...	19.068	13.1	ng	499976	4	17.157	765091	20.0
11H-Benzo[a]flu...	19.857	4.3	ng	532115	5	21.262	2474870	20.0
Pyrene, 1-methyl-	20.174	3.9	ng	479726	5	21.262	2474870	20.0
Pyrene, 2-methyl-	20.357	3.4	ng	421230	5	21.262	2474870	20.0
11H-Benzo[a]flu...	20.756	4.1	ng	502542	5	21.262	2474870	20.0
Triphenylphosph...	21.380	9.4	ng	1158660	5	21.262	2474870	20.0
2-Methylchrysene	21.833	3.6	ng	445105	5	21.262	2474870	20.0
Benz[a]anthrace...	22.039	3.3	ng	403446	5	21.262	2474870	20.0
Benzo[e]pyrene	23.421	14.1	ng	638271	6	23.633	902555	20.0