LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP093020\
Data File : BP003430.D
Acq On : 01 Oct 2020 00:35
Operator : CG/JU
Sample : L4193-01
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : B-12(3-4)

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\8270-BP091520.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BP003430.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	5.152	379	385	415	rBV	1110818	1917380	14.61%	2.258%
2	6.746	649	656	669	rBV	1130369	1966127	14.98%	2.315%
3	7.540	783	791	801	rBV	382845	613482	4.67%	0.722%
4	8.693	980	987	999	rBV	764768	1336476	10.18%	1.574%
5	10.316	1253	1263	1268	rBV	556461	931093	7.09%	1.096%
6	10.363	1268	1271	1280	rVB	100809	174150	1.33%	0.205%
7	11.993	1539	1548	1557	rVB	76454	140363	1.07%	0.165%
8	12.810	1680	1687	1698	rVB	2267712	3426185	26.10%	4.035%
9	13.516	1801	1807	1812	rBV	82345	138121	1.05%	0.163%
10	13.651	1826	1830	1835	rVV2	227105	327590	2.50%	0.386%
11	13.910	1868	1874	1884	rBV	595785	985633	7.51%	1.161%
12	14.192	1915	1922	1928	rVV	871599	1348079	10.27%	1.588%
13	14.257	1928	1933	1942	rVB	324454	489695	3.73%	0.577%
14	14.598	1986	1991	2000	rVV	206728	333612	2.54%	0.393%
15	14.816	2022	2028	2034	rBV4	67995	163139	1.24%	0.192%
16	15.075	2068	2072	2078	rVB	145564	196469	1.50%	0.231%
17	15.251	2097	2102	2115	rVB	444138	730451	5.56%	0.860%
18	15.551	2148	2153	2157	rBV	121741	182188	1.39%	0.215%
19	15.704	2173	2179	2188	rBV	1754222	2640384	20.11%	3.109%
20	15.939	2214	2219	2223	rBV3	158066	254007	1.93%	0.299%
21	16.263	2268	2274	2280	rBV2	116444	253119	1.93%	0.298%
22	16.539	2317	2321	2325	rVB	116815	157356	1.20%	0.185%
23	16.622	2331	2335	2343	rVB	189427	284164	2.16%	0.335%
24	16.698	2344	2348	2353	rBV3	105660	208887	1.59%	0.246%
25	16.775	2358	2361	2372	rVB	256778	440185	3.35%	0.518%
26	16.963	2387	2393	2396	rBV	1062054	1649529	12.57%	1.943%
27	17.004	2396	2400	2406	rVV	3673498	5683390	43.29%	6.693%
28	17.098	2407	2416	2422	rVB	1389626	2144082	16.33%	2.525%
29	17.163	2422	2427	2433	rBV3	142833	273240	2.08%	0.322%
30	17.381	2455	2464	2472	rBV2	360587	756364	5.76%	0.891%
31	17.481	2478	2481	2489	rVB2	147977	201270	1.53%	0.237%
32	17.551	2490	2493	2502	rVB4	62287	143598	1.09%	0.169%
33	17.845	2537	2543	2547	rBV	566826	846788	6.45%	0.997%
34	17.892	2547	2551	2558	rVV	761694	1108461	8.44%	1.305%
35	17.975	2560	2565	2569	rVV	402890	576781	4.39%	0.679%
36	18.033	2569	2575	2579	rVV	1100131	1858587	14.16%	2.189%

LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP093020\
Data File : BP003430.D
Acq On : 01 Oct 2020 00:35
Operator : CG/JU
Sample : L4193-01
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : B-12(3-4)

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\8270-BP091520.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

37	18.069	2579	2581	2591	rVB	406483	557374	4.25%	0.656%
38	18.163	2592	2597	2600	rBV2	93870	184012	1.40%	0.217%
39	18.333	2621	2626	2632	rVB	432830	635393	4.84%	0.748%
40	18.404	2633	2638	2643	rVV3	222794	398728	3.04%	0.470%
41	18.575	2664	2667	2672	rVB	119888	166315	1.27%	0.196%
42	18.633	2673	2677	2680	rBV	135487	180912	1.38%	0.213%
43	18.669	2681	2683	2689	rVB	112576	160930	1.23%	0.190%
44	18.751	2692	2697	2701	rBV	438113	752745	5.73%	0.886%
45	18.910	2717	2724	2729	rVB3	295434	590615	4.50%	0.696%
46	19.016	2735	2742	2749	rBV	5220212	9568499	72.89%	11.268%
47	19.163	2763	2767	2774	rVB	197809	360342	2.74%	0.424%
48	19.251	2777	2782	2785	rBV2	277949	509151	3.88%	0.600%
49	19.375	2792	2803	2811	rBV2	4263064	10001818	76.19%	11.778%
50	19.445	2811	2815	2823	rVB2	300262	641688	4.89%	0.756%
51	19.569	2828	2836	2842	rBV2	2788023	5400636	41.14%	6.360%
52	19.704	2852	2859	2867	rBV5	399768	1028773	7.84%	1.212%
53	19.869	2877	2887	2895	rVB2	849957	2498744	19.03%	2.943%
54	19.969	2898	2904	2908	rVV	648595	1292345	9.84%	1.522%
55	20.027	2909	2914	2924	rVB4	496627	1383001	10.54%	1.629%
56	20.163	2933	2937	2941	rBV2	305096	597169	4.55%	0.703%
57	21.169	3095	3108	3127	rBV3	2065527	13127463	100.00%	15.459%

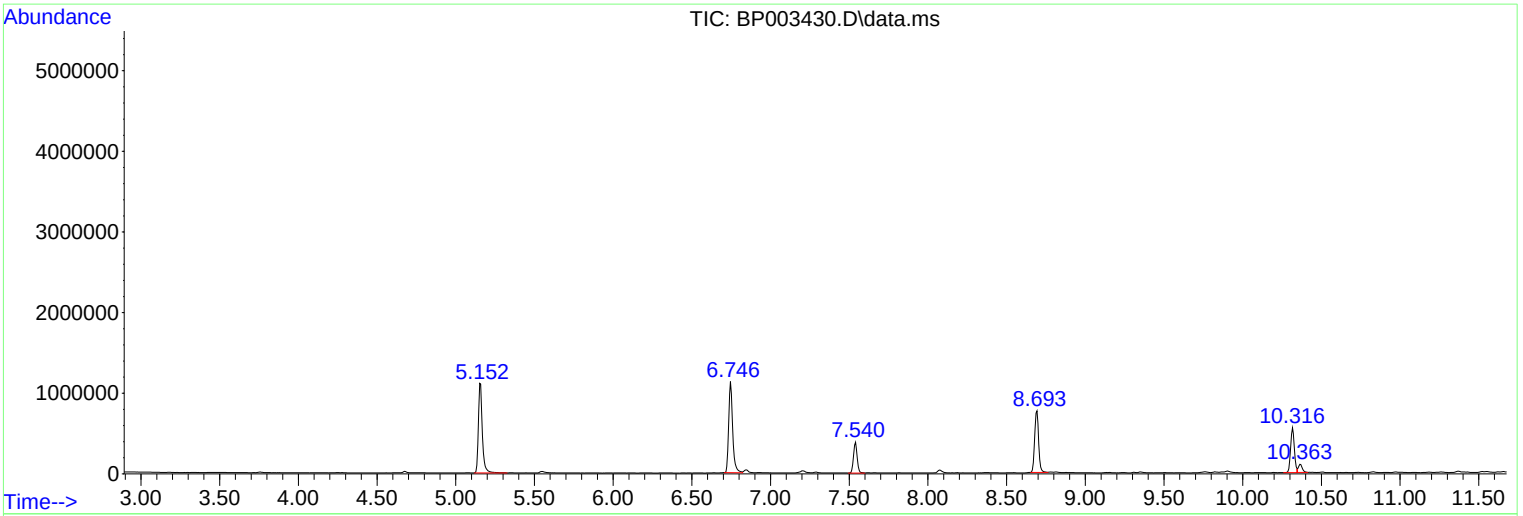
Sum of corrected areas: 84917078

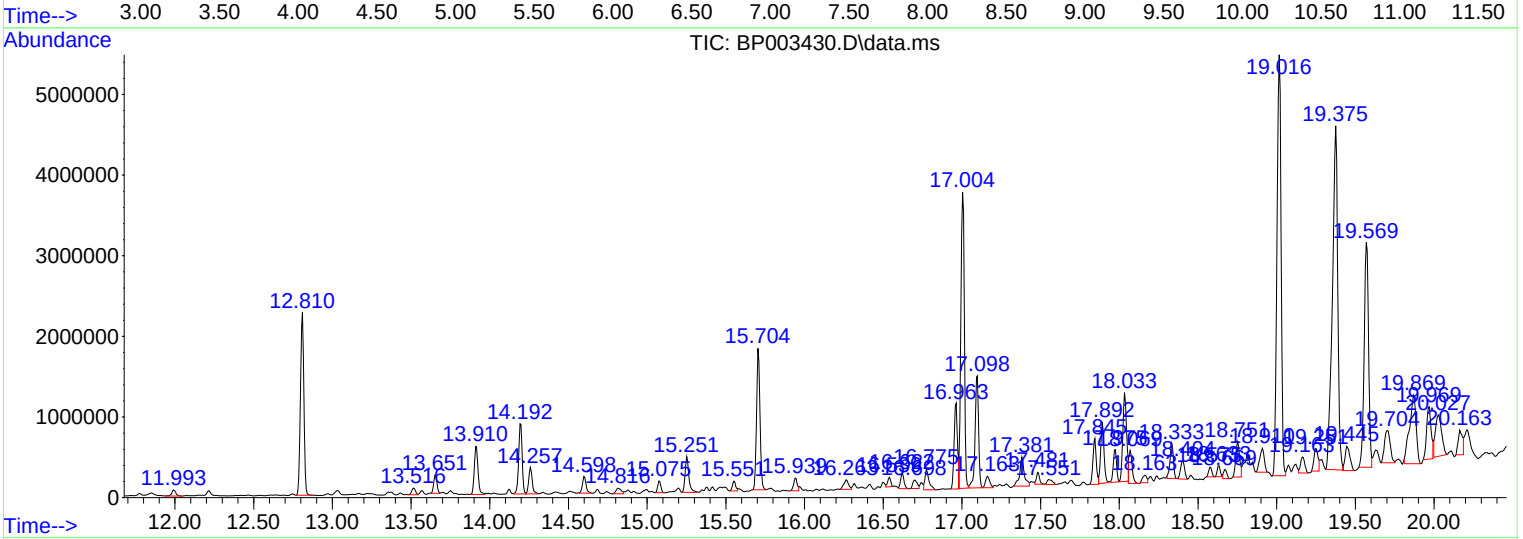
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP093020\
Data File : BP003430.D
Acq On : 01 Oct 2020 00:35
Operator : CG/JU
Sample : L4193-01
Misc :
ALS Vial : 17 Sample Multiplier: 1

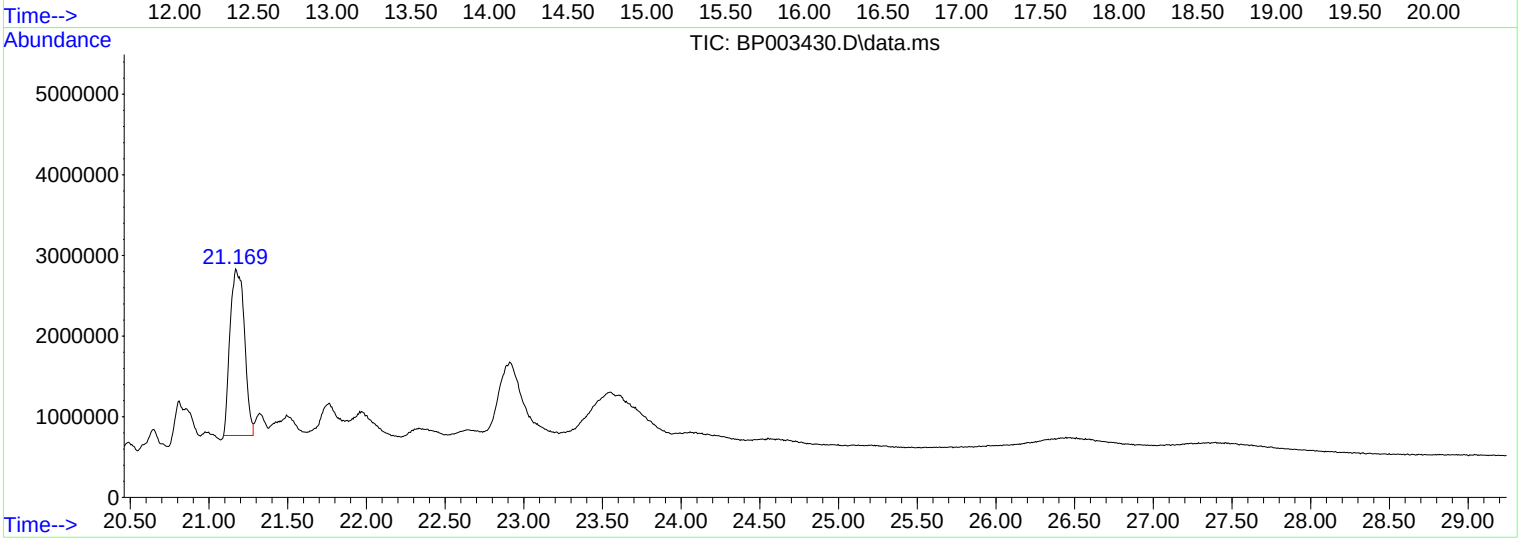
Instrument :
BNA_P
ClientSampleId :
B-12(3-4)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP091520.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P







Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP093020\
Data File : BP003430.D
Acq On : 01 Oct 2020 00:35
Operator : CG/JU
Sample : L4193-01
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
B-12(3-4)

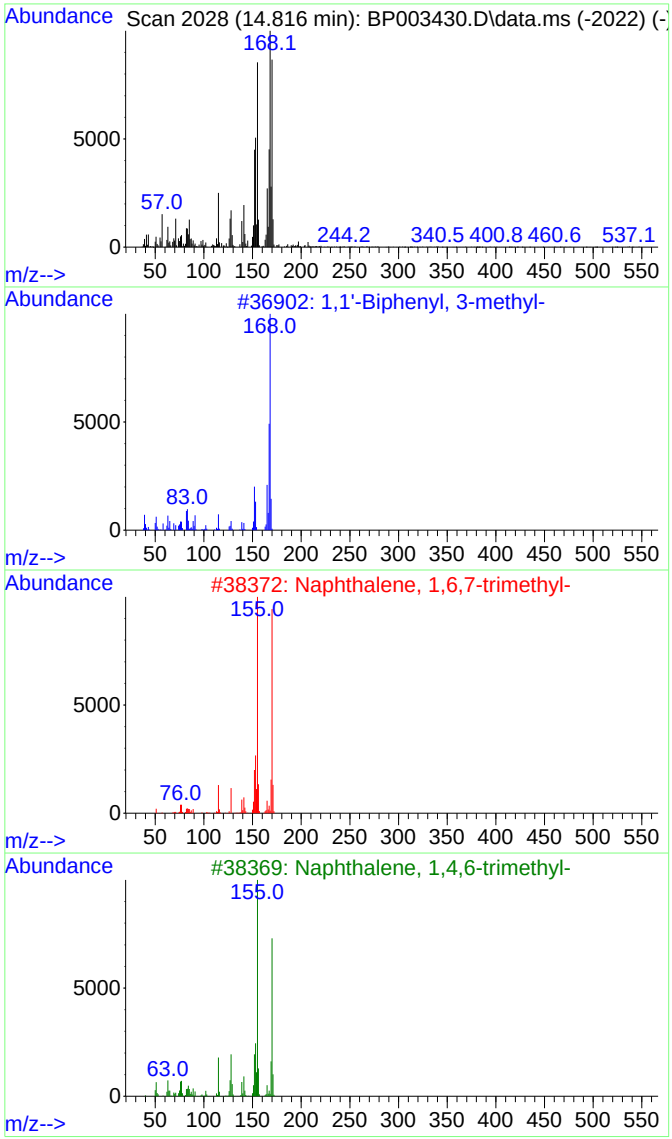
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP091520.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

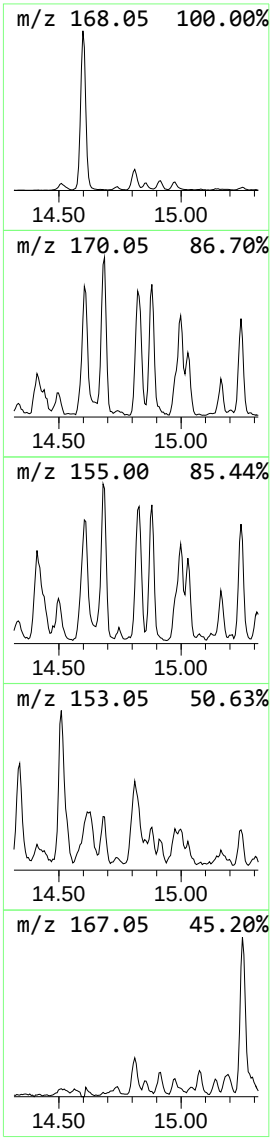
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 1 1,1'-Biphenyl, 3-methyl- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.816	2.42 ng	163139	Acenaphthene-d10	14.193

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl, 3-methyl-	168	C13H12	000643-93-6	59
2	Naphthalene, 1,6,7-trimethyl-	170	C13H14	002245-38-7	50
3	Naphthalene, 1,4,6-trimethyl-	170	C13H14	002131-42-2	50
4	Naphthalene, 2,3,6-trimethyl-	170	C13H14	000829-26-5	46
5	3-(2-Methyl-propenyl)-1H-indene	170	C13H14	1000187-78-5	46





Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP093020\
Data File : BP003430.D
Acq On : 01 Oct 2020 00:35
Operator : CG/JU
Sample : L4193-01
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
B-12(3-4)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP091520.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

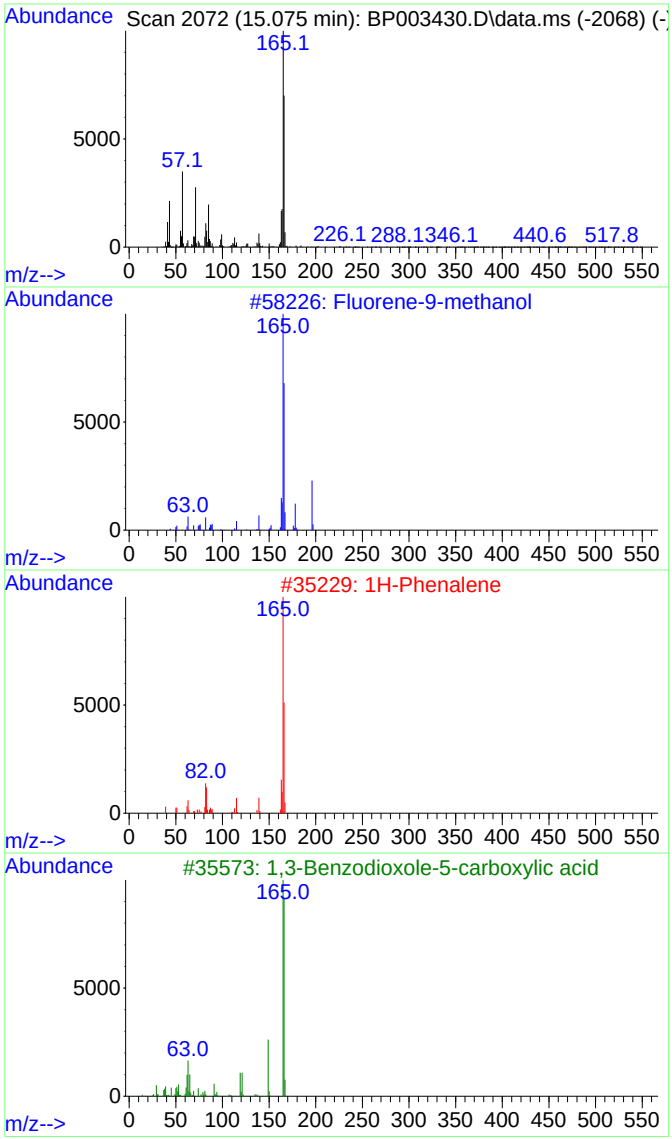
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

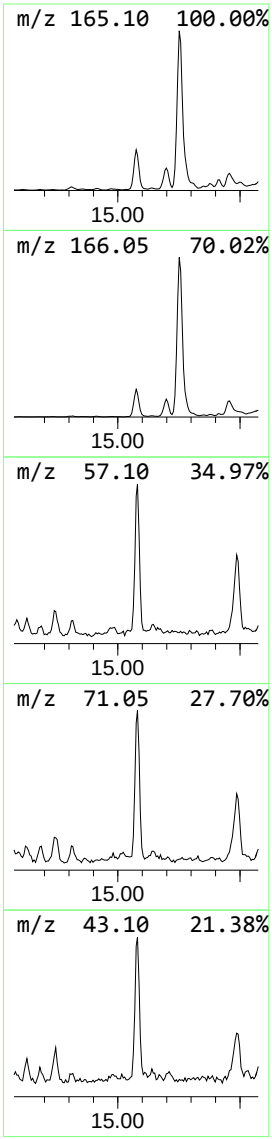
****

Peak Number 2 Fluorene-9-methanol Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.075	2.91 ng	196469	Acenaphthene-d10	14.193

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Fluorene-9-methanol	196	C14H12O	024324-17-2	53
2	1H-Phenalene	166	C13H10	000203-80-5	53
3	1,3-Benzodioxole-5-carboxylic acid	166	C8H6O4	000094-53-1	49
4	3-Trifluoromethylbenzhydryl chlo...	270	C14H10ClF3	067240-79-3	42
5	9H-Fluorene, 9-(1-methylethyl)-	208	C16H16	003299-99-8	40





Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP093020\
Data File : BP003430.D
Acq On : 01 Oct 2020 00:35
Operator : CG/JU
Sample : L4193-01
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
B-12(3-4)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP091520.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

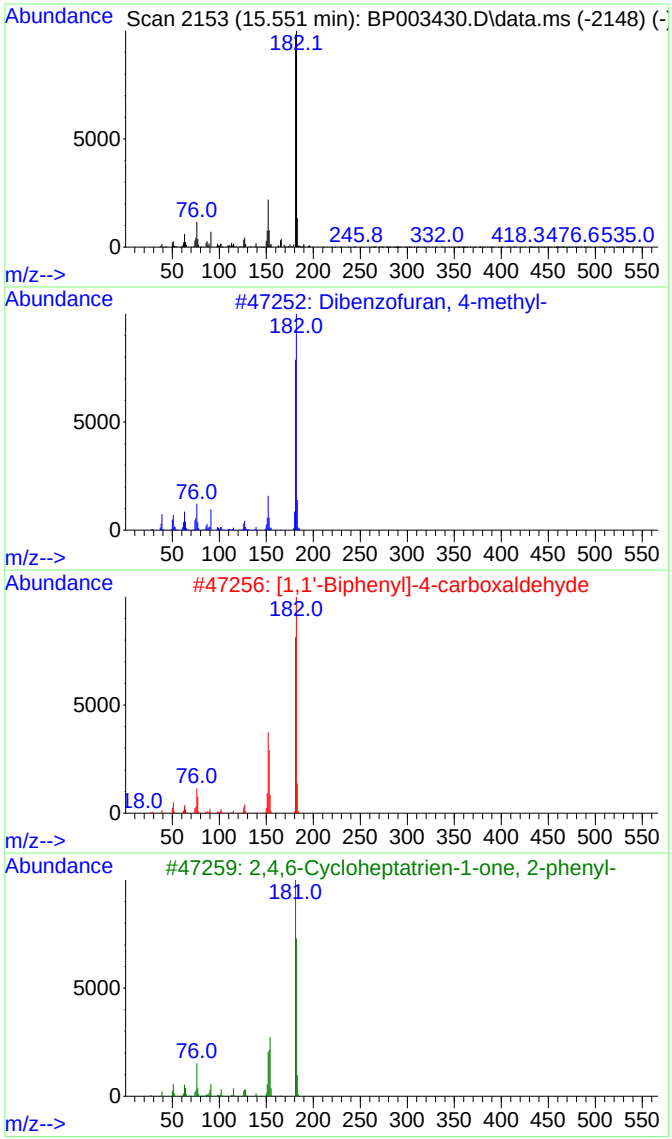
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

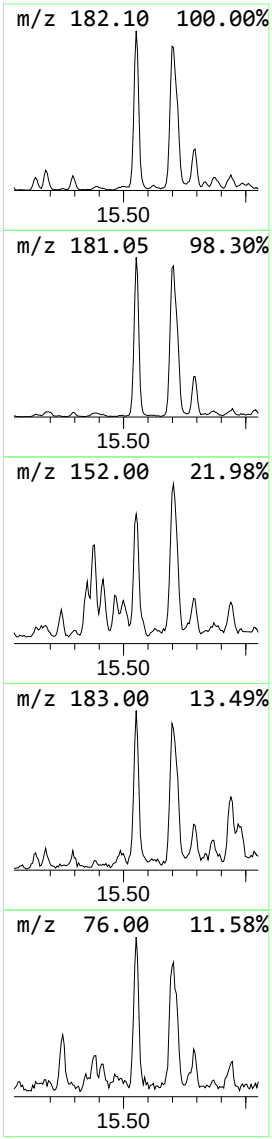
****

Peak Number 3 Dibenzofuran, 4-methyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.551	2.70 ng	182188	Acenaphthene-d10	14.193

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzofuran, 4-methyl-	182	C13H10O	007320-53-8	91
2	[1,1'-Biphenyl]-4-carboxaldehyde	182	C13H10O	003218-36-8	91
3	2,4,6-Cycloheptatrien-1-one, 2-p...	182	C13H10O	014562-09-5	87
4	9H-Fluoren-9-ol	182	C13H10O	001689-64-1	86
5	3-(2-Naphthyl)acrylaldehyde	182	C13H10O	020884-05-3	72





Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP093020\
Data File : BP003430.D
Acq On : 01 Oct 2020 00:35
Operator : CG/JU
Sample : L4193-01
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
B-12(3-4)

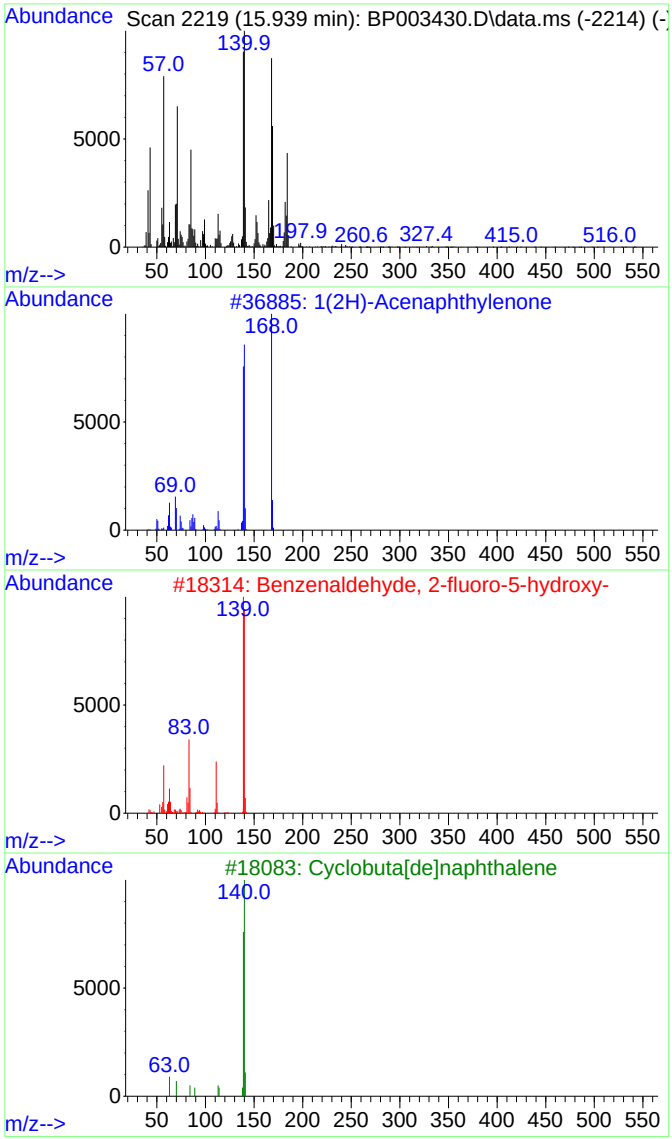
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP091520.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

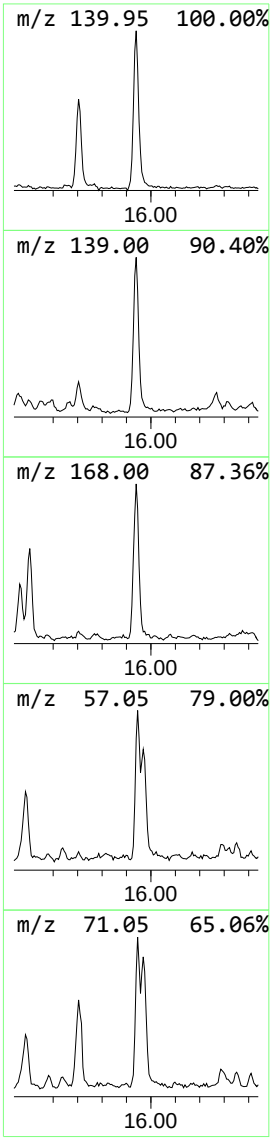
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 4 1(2H)-Acenaphthylenone Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.939	3.08 ng	254007	Phenanthrene-d10	16.963

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1(2H)-Acenaphthylenone	168	C12H8O	002235-15-6	90
2	Benzenaldehyde, 2-fluoro-5-hydroxy-	140	C7H5FO2	103438-84-2	25
3	Cyclobuta[de]naphthalene	140	C11H8	024973-91-9	25
4	Benzaldehyde, 4-fluoro-3-hydroxy-	140	C7H5FO2	103438-85-3	25
5	2-Methyl-3-phenylpyridine	169	C12H11N	003256-89-1	18





Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP093020\
Data File : BP003430.D
Acq On : 01 Oct 2020 00:35
Operator : CG/JU
Sample : L4193-01
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : B-12(3-4)

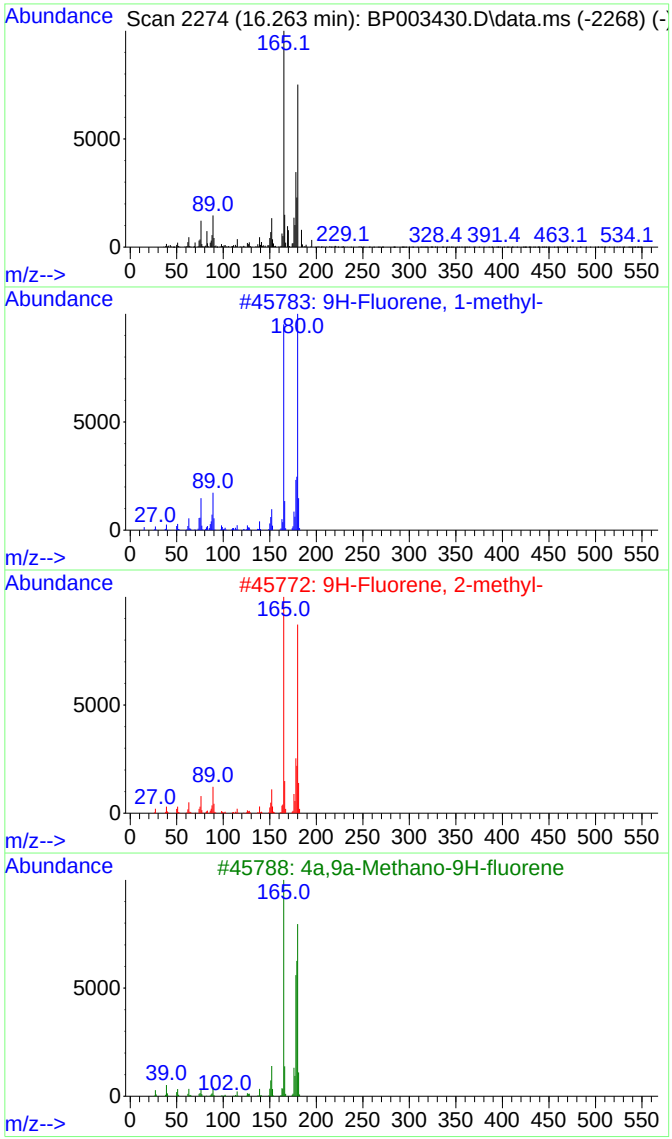
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP091520.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

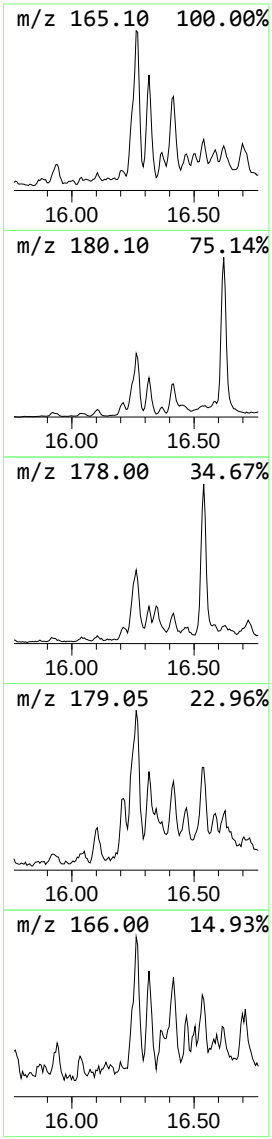
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 5 9H-Fluorene, 1-methyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.263	3.07 ng	253119	Phenanthrene-d10	16.963

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	96
2	9H-Fluorene, 2-methyl-	180	C14H12	001430-97-3	96
3	4a,9a-Methano-9H-fluorene	180	C14H12	019540-84-2	86
4	9H-Fluorene, 4-methyl-	180	C14H12	001556-99-6	81
5	9H-Fluorene, 3-methyl-	180	C14H12	002523-39-9	76





Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP093020\
Data File : BP003430.D
Acq On : 01 Oct 2020 00:35
Operator : CG/JU
Sample : L4193-01
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : B-12(3-4)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP091520.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

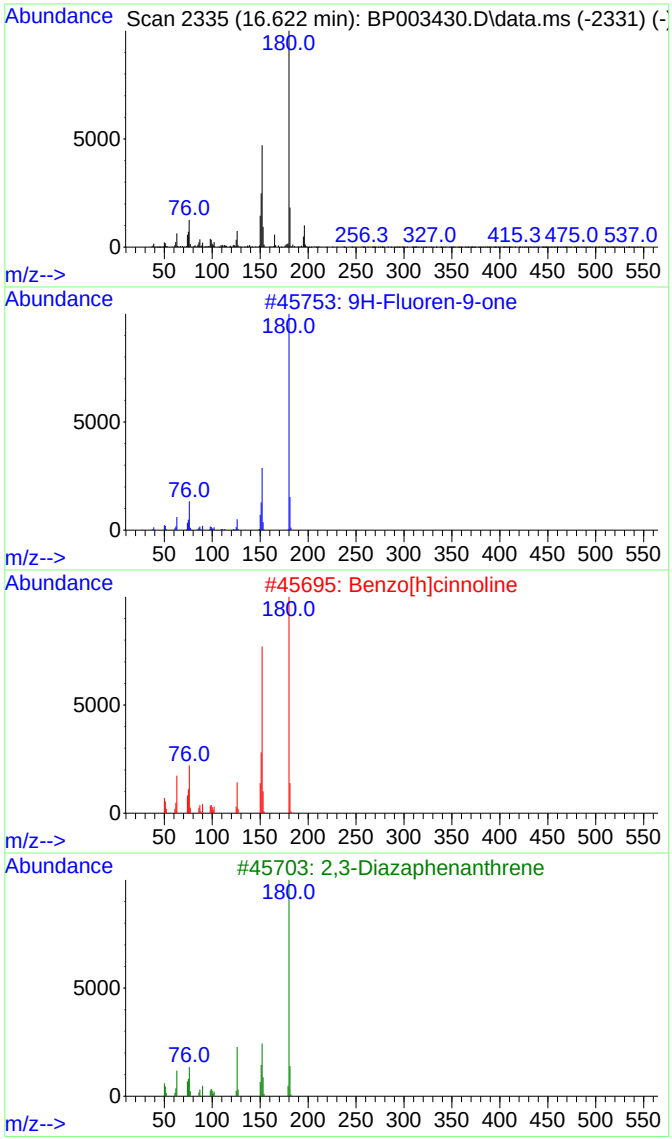
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

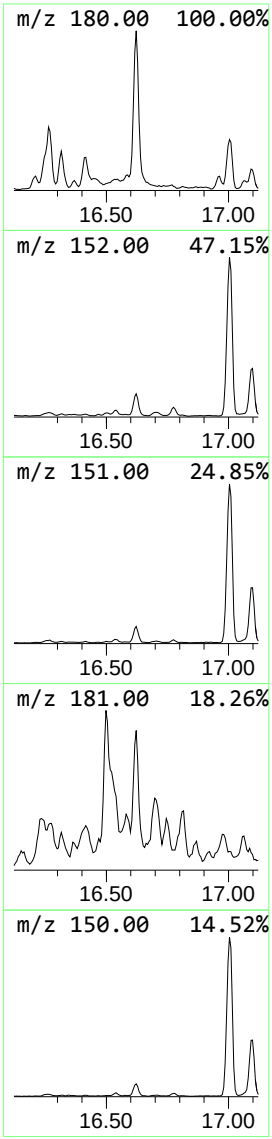
****

Peak Number 6 9H-Fluoren-9-one Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.622	3.45 ng	284164	Phenanthrene-d10	16.963

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluoren-9-one	180	C13H8O	000486-25-9	93
2	Benzo[h]cinnoline	180	C12H8N2	000230-31-9	83
3	2,3-Diazaphenanthrene	180	C12H8N2	000229-72-1	59
4	1H-Phenalen-1-one	180	C13H8O	000548-39-0	49
5	2,4-Diazaphenanthrene	180	C12H8N2	000230-28-4	46





Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP093020\
Data File : BP003430.D
Acq On : 01 Oct 2020 00:35
Operator : CG/JU
Sample : L4193-01
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
B-12(3-4)

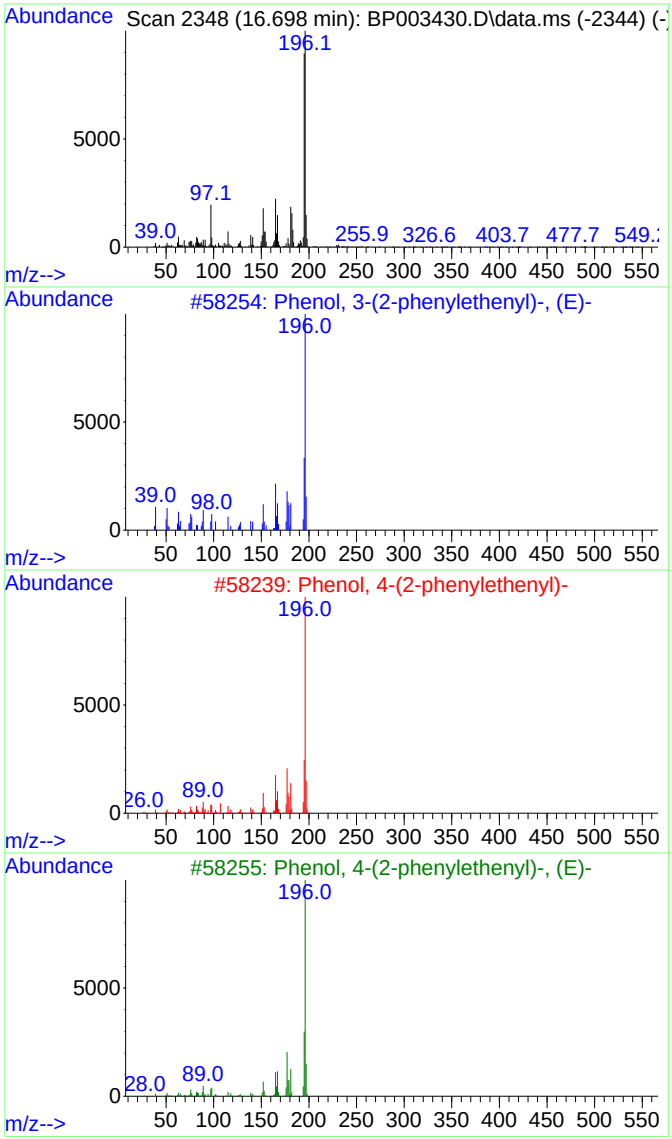
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP091520.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

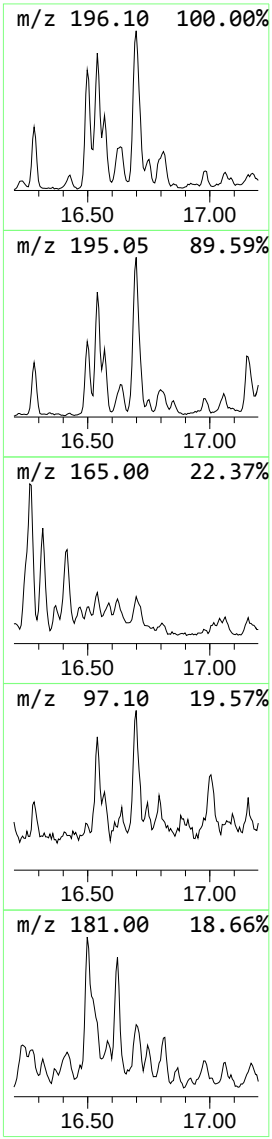
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 7 Phenol, 3-(2-phenylethenyl)... Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.698	2.53 ng	208887	Phenanthrene-d10	16.963

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenol, 3-(2-phenylethenyl)-, (E)-	196	C14H12O	017861-18-6	60
2	Phenol, 4-(2-phenylethenyl)-	196	C14H12O	003839-46-1	58
3	Phenol, 4-(2-phenylethenyl)-, (E)-	196	C14H12O	006554-98-9	49
4	N,O-Dimethylbutabarbital	252	C13H20N2O3	1000012-26-7	47
5	Benzenamine, 4-[(E)-2-(4-pyridin...	196	C13H12N2	1000351-61-4	47





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Data File : BP003430.D
Acq On : 01 Oct 2020 00:35
Operator : CG/JU
Sample : L4193-01
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
B-12(3-4)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP091520.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

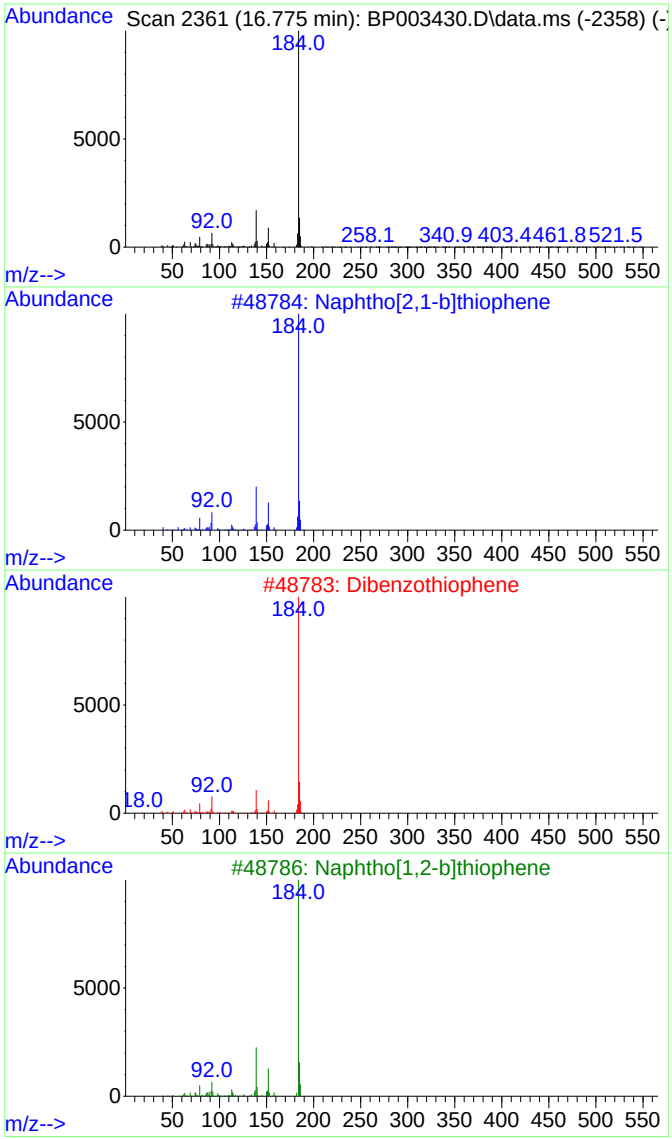
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

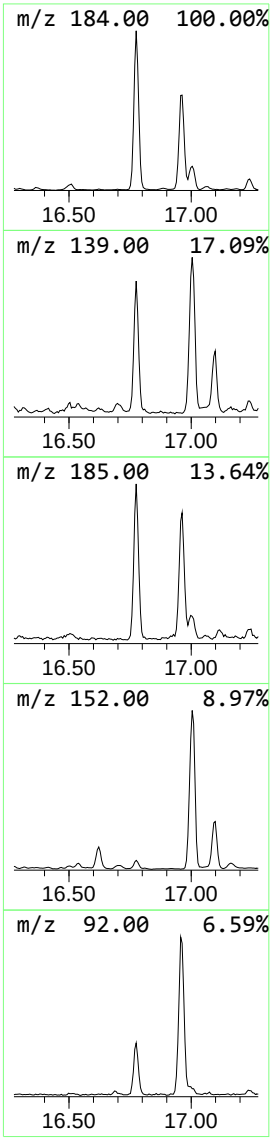
****

Peak Number 8 Naphtho[2,1-b]thiophene Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.775	5.34 ng	440185	Phenanthrene-d10	16.963

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphtho[2,1-b]thiophene	184	C12H8S	000233-02-3	96
2	Dibenzothiophene	184	C12H8S	000132-65-0	95
3	Naphtho[1,2-b]thiophene	184	C12H8S	000234-41-3	93
4	Azuleno(2,1-b)thiophene	184	C12H8S	000248-13-5	91
5	1,1'-Biphenyl, 2-methoxy-	184	C13H12O	000086-26-0	72





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Acq On : 01 Oct 2020 00:35
Operator : CG/JU
Sample : L4193-01
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
B-12(3-4)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP091520.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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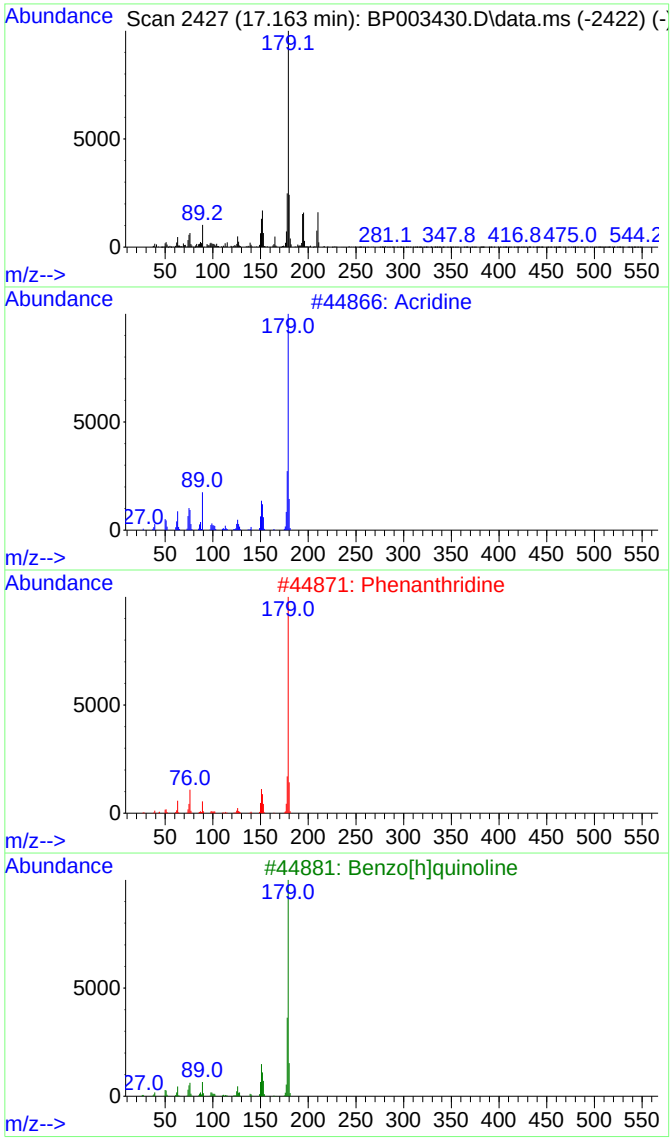
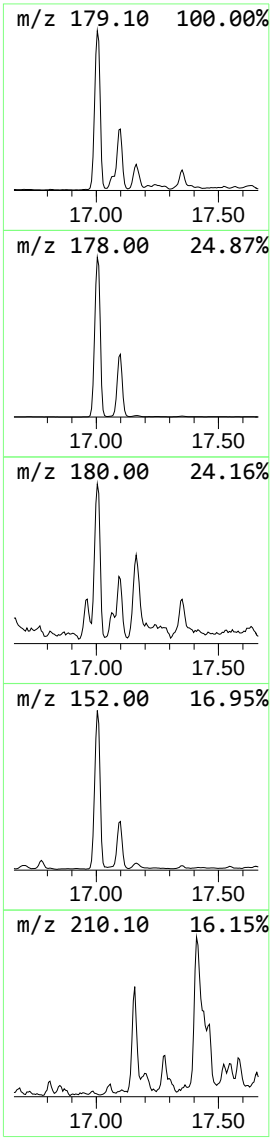
Peak Number 9 Acridine Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.163	3.31 ng	273240	Phenanthrene-d10	16.963

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Acridine	179	C13H9N	000260-94-6	93
2	Phenanthridine	179	C13H9N	000229-87-8	89
3	Benzo[h]quinoline	179	C13H9N	000230-27-3	76
4	Benzo[f]isoquinoline	179	C13H9N	000229-67-4	70
5	Benzo[g]quinoline	179	C13H9N	000260-36-6	64





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Acq On : 01 Oct 2020 00:35
Operator : CG/JU
Sample : L4193-01
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
B-12(3-4)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP091520.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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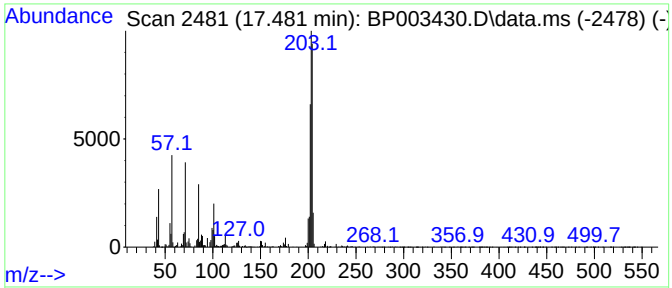
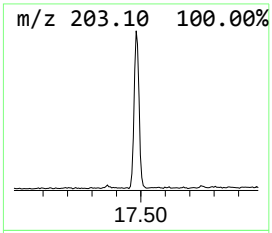
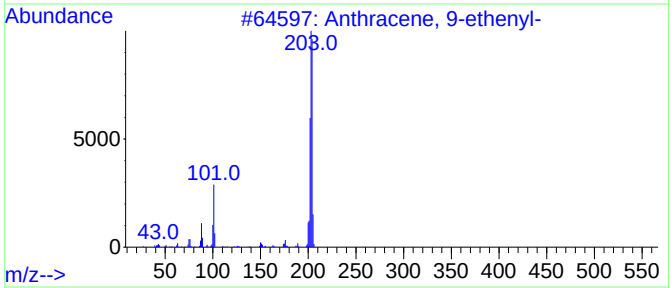
Peak Number 10 Anthracene, 9-ethenyl- Concentration Rank 19

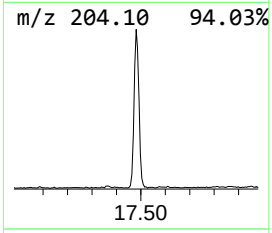
R.T.	EstConc	Area	Relative to ISTD	R.T.
17.480	2.44 ng	201270	Phenanthrene-d10	16.963

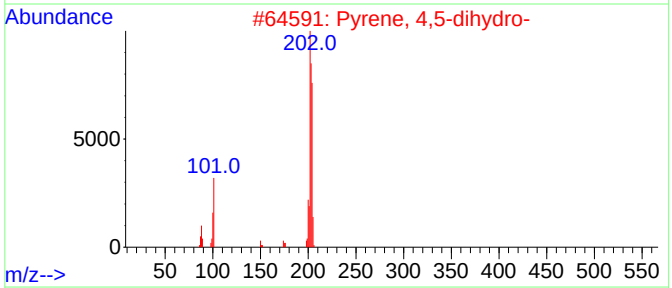
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 9-ethenyl-	204	C16H12	002444-68-0	83
2	Pyrene, 4,5-dihydro-	204	C16H12	006628-98-4	76
3	Dibenzo[a,e]cyclooctene	204	C16H12	000262-89-5	64
4	1H-Indene, 1-(phenylmethylene)-	204	C16H12	005394-86-5	60
5	1,4-Ethenoanthracene, 1,4-dihydro-	204	C16H12	027765-96-4	58

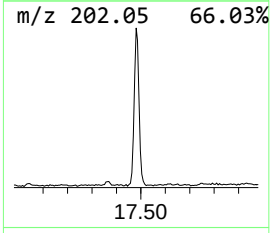


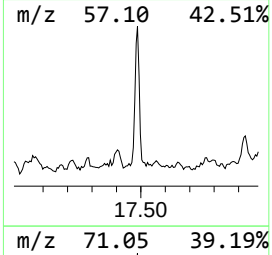


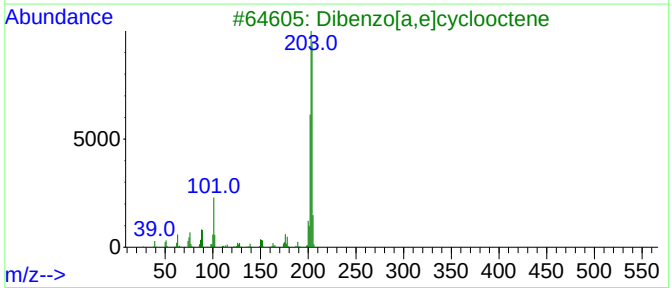


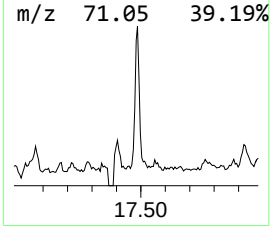












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Data File : BP003430.D
Acq On : 01 Oct 2020 00:35
Operator : CG/JU
Sample : L4193-01
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : B-12(3-4)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP091520.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

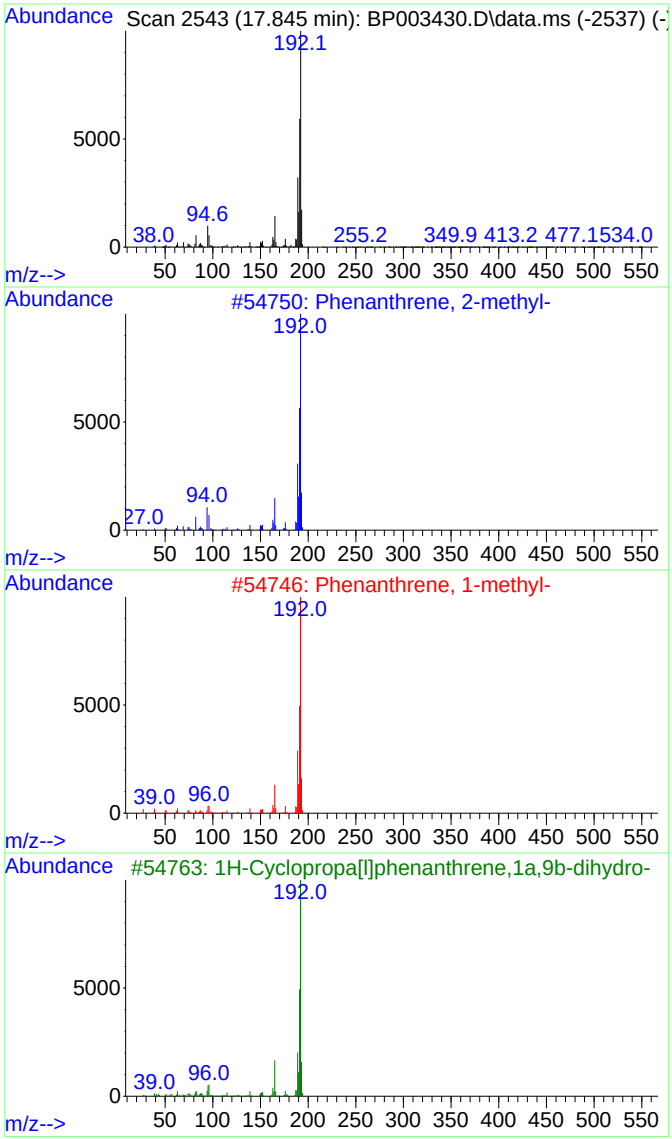
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

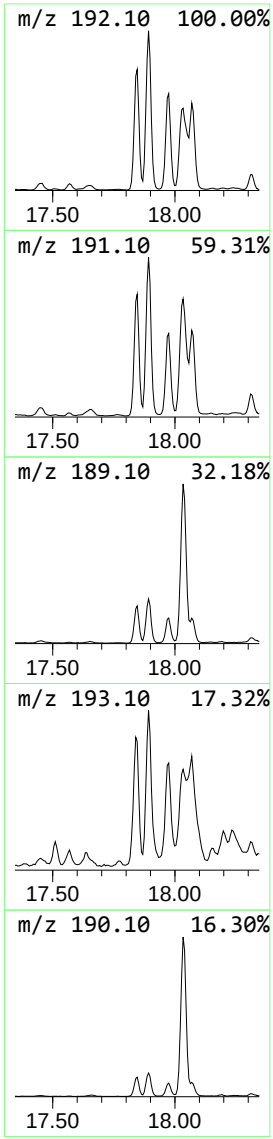
****

Peak Number 11 Phenanthrene, 2-methyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.845	10.27 ng	846788	Phenanthrene-d10	16.963

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	98
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	97
3	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	96
4	Anthracene, 1-methyl-	192	C15H12	000610-48-0	95
5	1H-Indene, 1-phenyl-	192	C15H12	001961-96-2	94





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Data File : BP003430.D
Acq On : 01 Oct 2020 00:35
Operator : CG/JU
Sample : L4193-01
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
B-12(3-4)

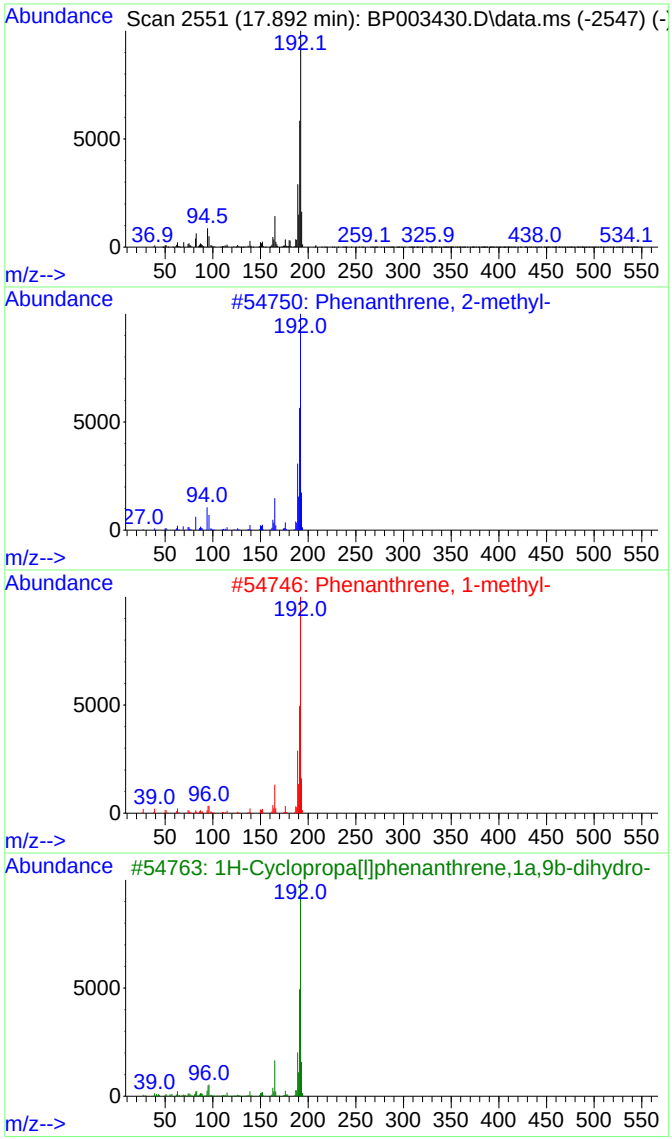
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP091520.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

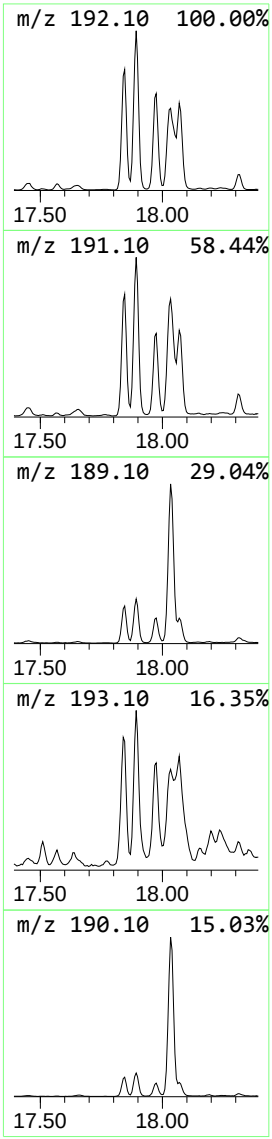
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 12 Phenanthrene, 1-methyl- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.892	13.44 ng	1108460	Phenanthrene-d10	16.963

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	98
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	97
3	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	96
4	Anthracene, 2-methyl-	192	C15H12	000613-12-7	95
5	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	94





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Acq On : 01 Oct 2020 00:35
Operator : CG/JU
Sample : L4193-01
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : B-12(3-4)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP091520.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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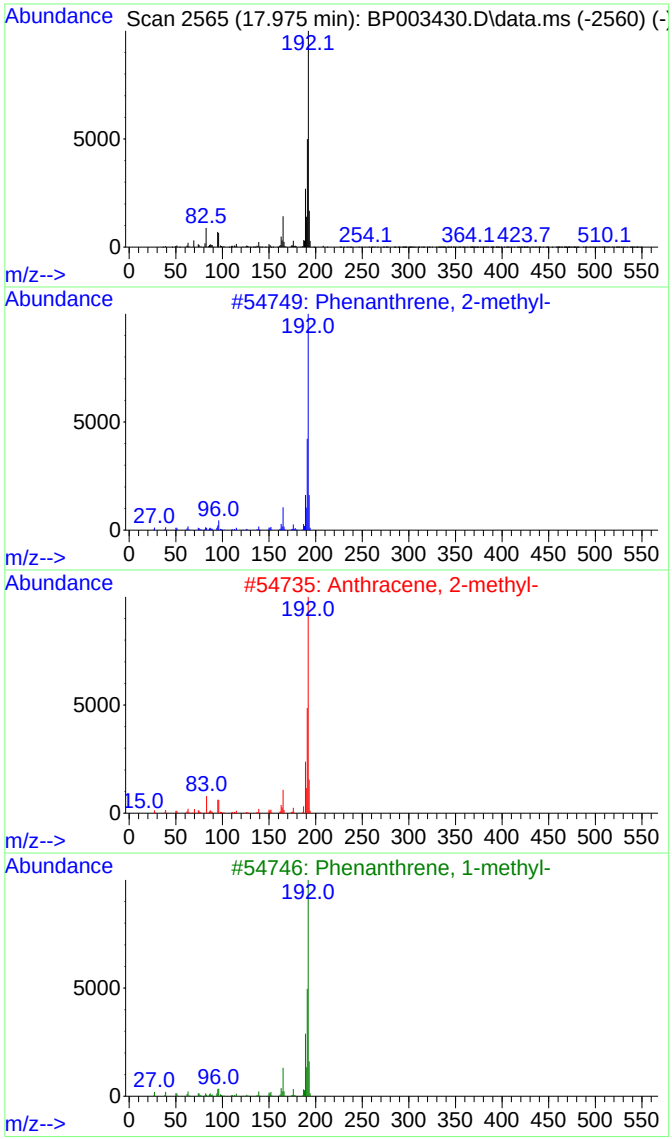
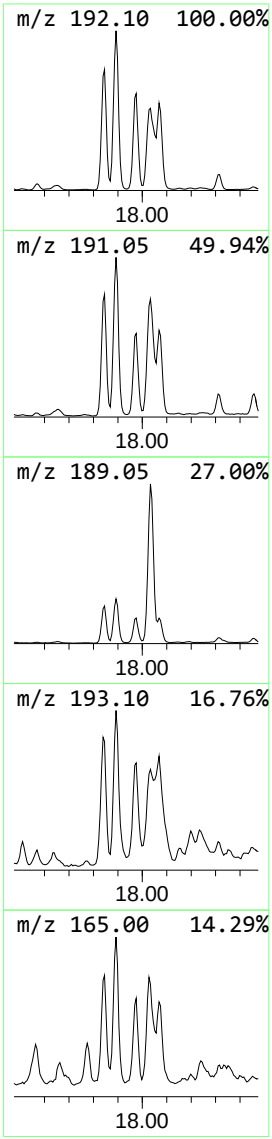
Peak Number 13 Anthracene, 2-methyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.975	6.99 ng	576781	Phenanthrene-d10	16.963

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
2	Anthracene, 2-methyl-	192	C15H12	000613-12-7	95
3	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	95
4	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	94
5	Anthracene, 1-methyl-	192	C15H12	000610-48-0	94





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Acq On : 01 Oct 2020 00:35
Operator : CG/JU
Sample : L4193-01
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : B-12(3-4)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP091520.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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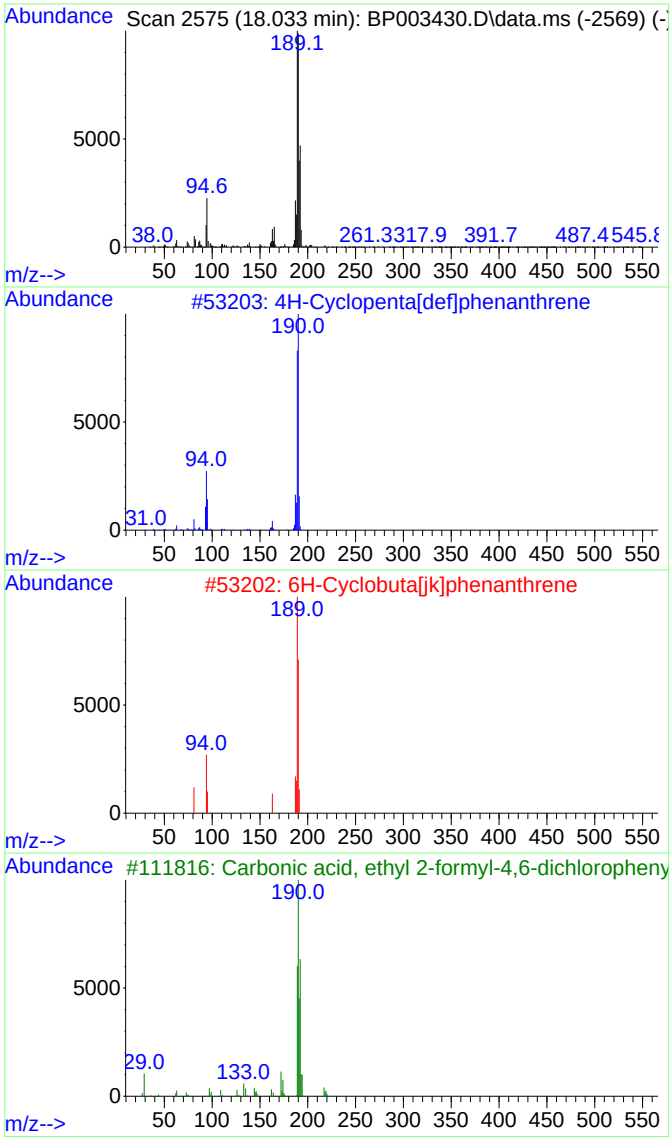
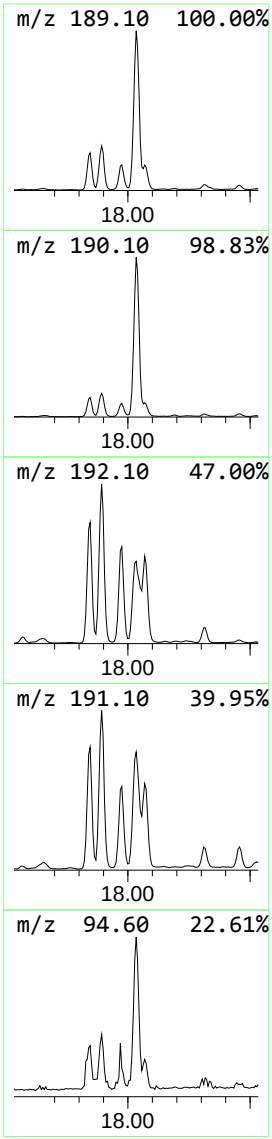
Peak Number 14 4H-Cyclopenta[def]phenanthrene Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.033	22.53 ng	1858590	Phenanthrene-d10	16.963

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	92
2	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	58
3	Carbonic acid, ethyl 2-formyl-4,...	262	C10H8Cl2O4	1000331-34-4	50
4	Thiophene-3-carboxaldehyde, 5-ch...	190	C5H4BClO3S	036155-87-0	50
5	2,3,5,6-Tetramethylterephthalald...	190	C12H14O2	007072-01-7	43





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Acq On : 01 Oct 2020 00:35
Operator : CG/JU
Sample : L4193-01
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : B-12(3-4)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP091520.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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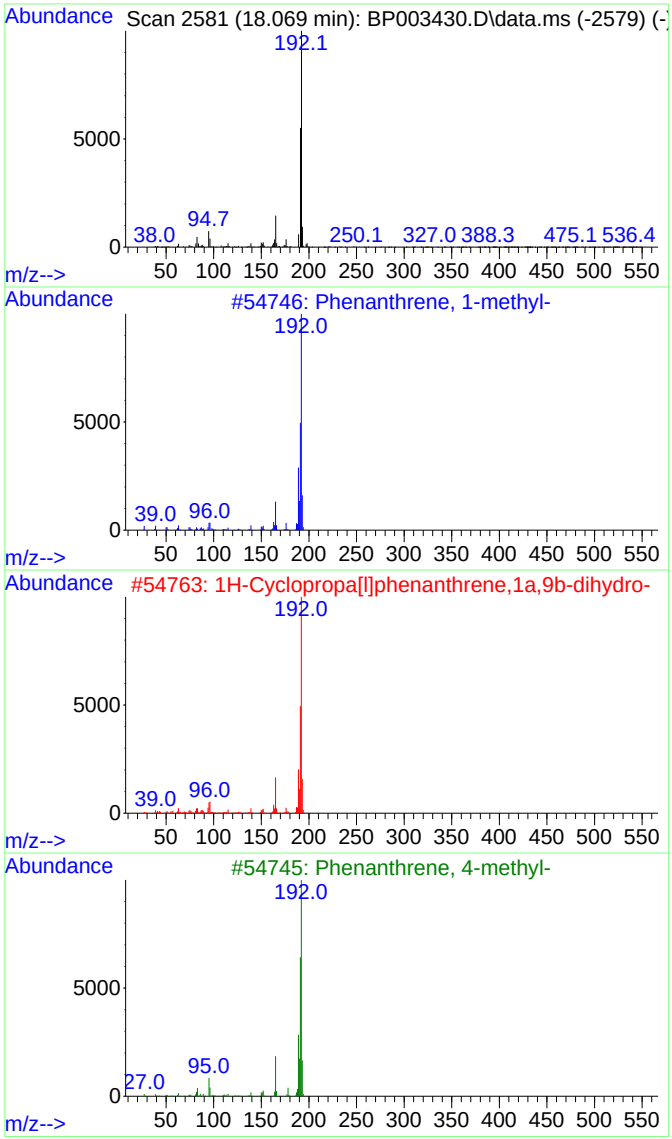
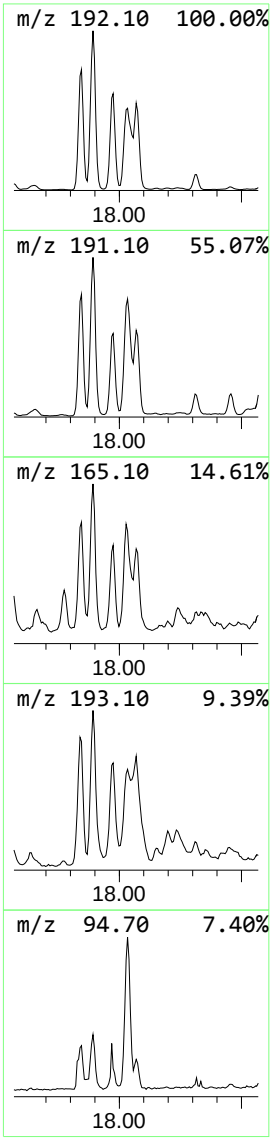
Peak Number 15 1H-Cyclopropa[l]phenanthren... Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.069	6.76 ng	557374	Phenanthrene-d10	16.963

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	83
2	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	83
3	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	80
4	Anthracene, 9-methyl-	192	C15H12	000779-02-2	80
5	Anthracene, 1-methyl-	192	C15H12	000610-48-0	72





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Sample : L4193-01
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
B-12(3-4)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP091520.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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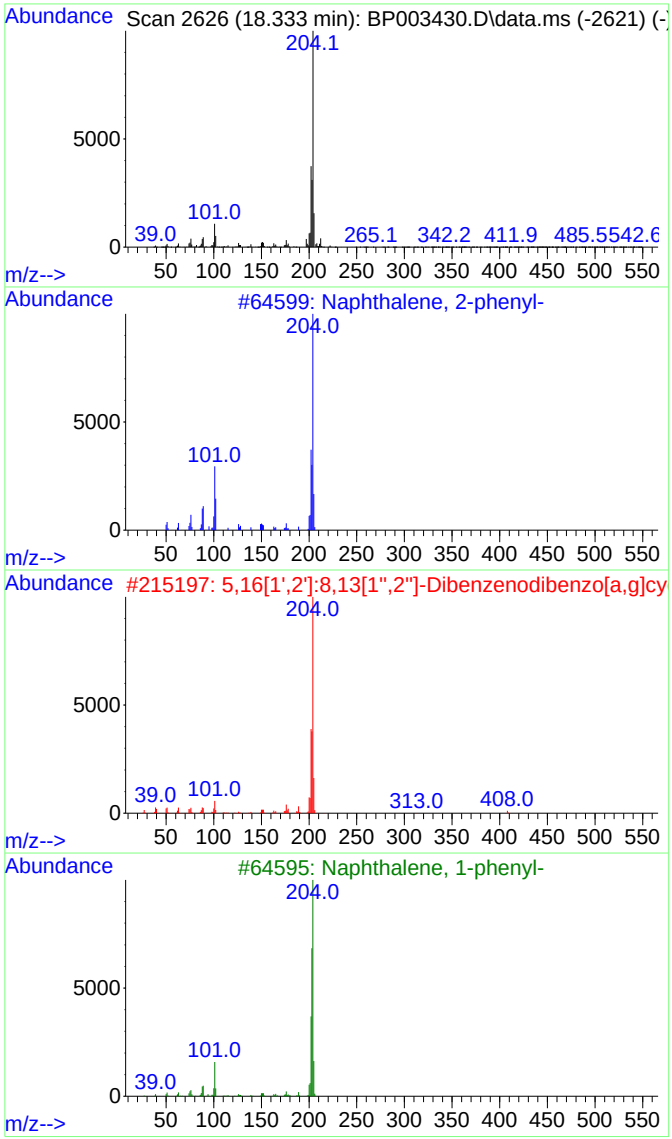
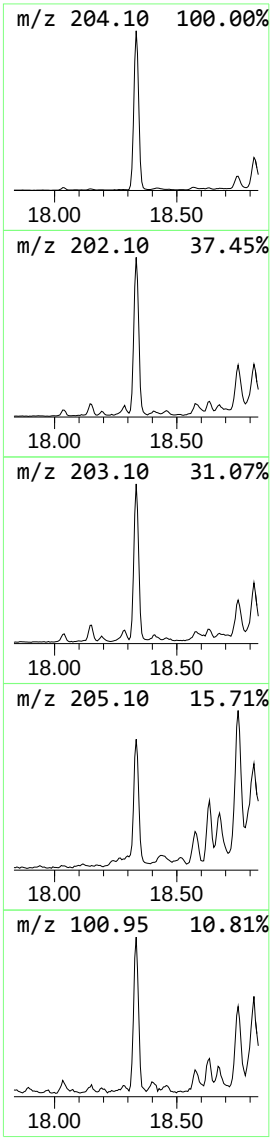
Peak Number 16 Naphthalene, 2-phenyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.333	7.70 ng	635393	Phenanthrene-d10	16.963

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	93
2	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	87
3	Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	83
4	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	64
5	9,10-Bis(bromomethyl)anthracene	362	C16H12Br2	034373-96-1	52





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Acq On : 01 Oct 2020 00:35
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Sample : L4193-01
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
B-12(3-4)

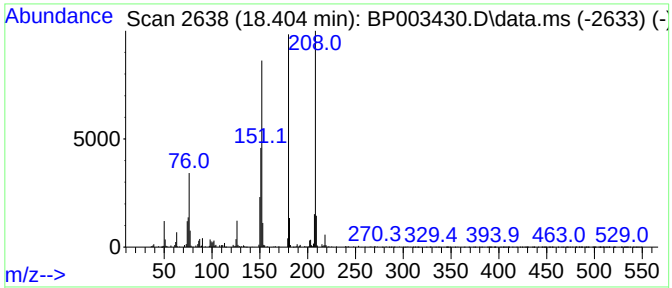
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP091520.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

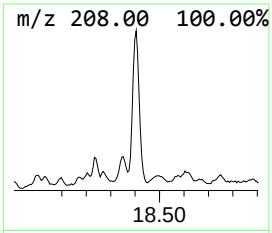
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

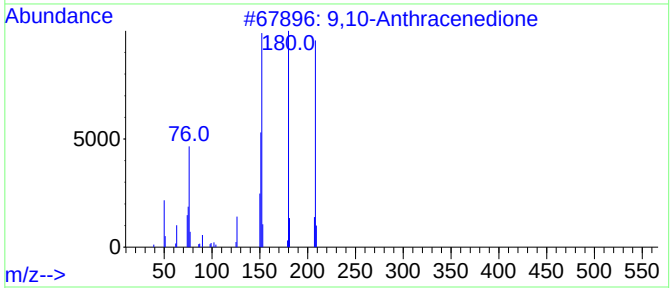
****
Peak Number 17 9,10-Anthracenedione Concentration Rank 10

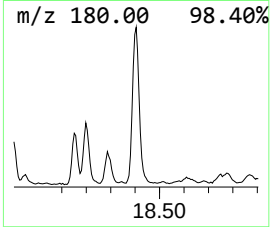
R.T.	EstConc	Area	Relative to ISTD	R.T.
18.404	4.83 ng	398728	Phenanthrene-d10	16.963

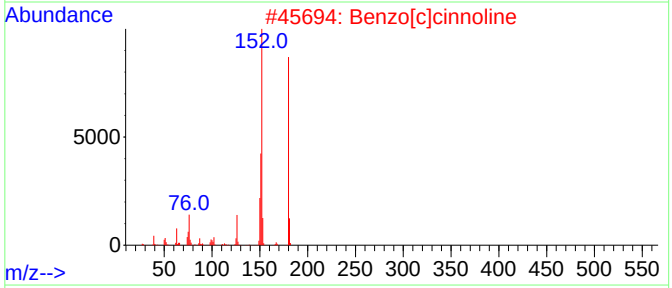
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Anthracenedione	208	C14H8O2	000084-65-1	98
2	Benzo[c]cinnoline	180	C12H8N2	000230-17-1	86
3	9H-Fluoren-9-one	180	C13H8O	000486-25-9	70
4	Benzo[h]cinnoline	180	C12H8N2	000230-31-9	60
5	1H-Phenalen-1-one	180	C13H8O	000548-39-0	60

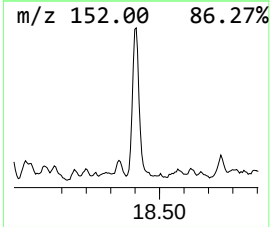


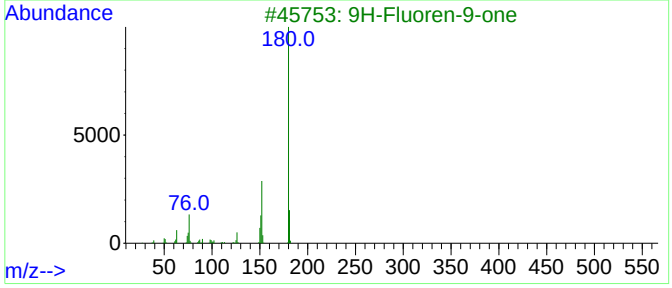


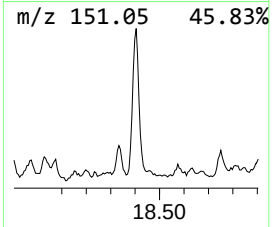


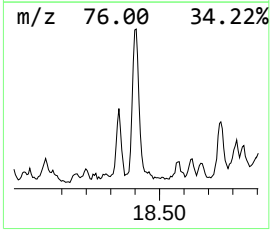












Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP093020\
Data File : BP003430.D
Acq On : 01 Oct 2020 00:35
Operator : CG/JU
Sample : L4193-01
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
B-12(3-4)

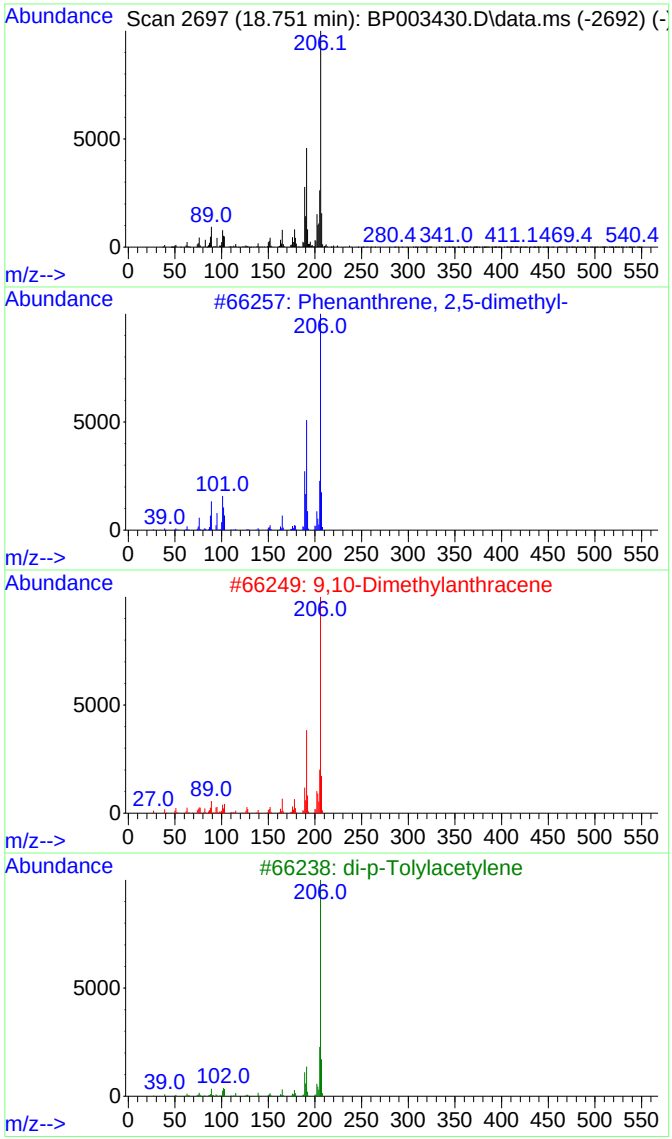
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP091520.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

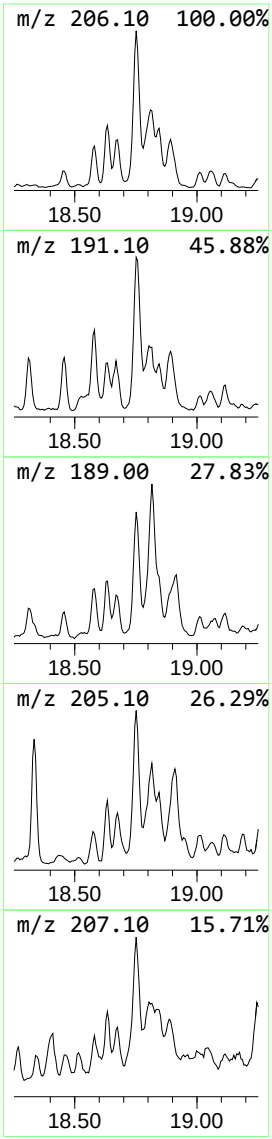
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 18 Phenanthrene, 2,5-dimethyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.751	9.13 ng	752745	Phenanthrene-d10	16.963

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	98
2	9,10-Dimethylanthracene	206	C16H14	000781-43-1	96
3	di-p-Tolylacetylene	206	C16H14	002789-88-0	91
4	Naphthalene, 1,2-dihydro-4-phenyl-	206	C16H14	007469-40-1	90
5	Anthracene, 1,4-dimethyl-	206	C16H14	000781-92-0	90





Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP093020\
Data File : BP003430.D
Acq On : 01 Oct 2020 00:35
Operator : CG/JU
Sample : L4193-01
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
B-12(3-4)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP091520.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

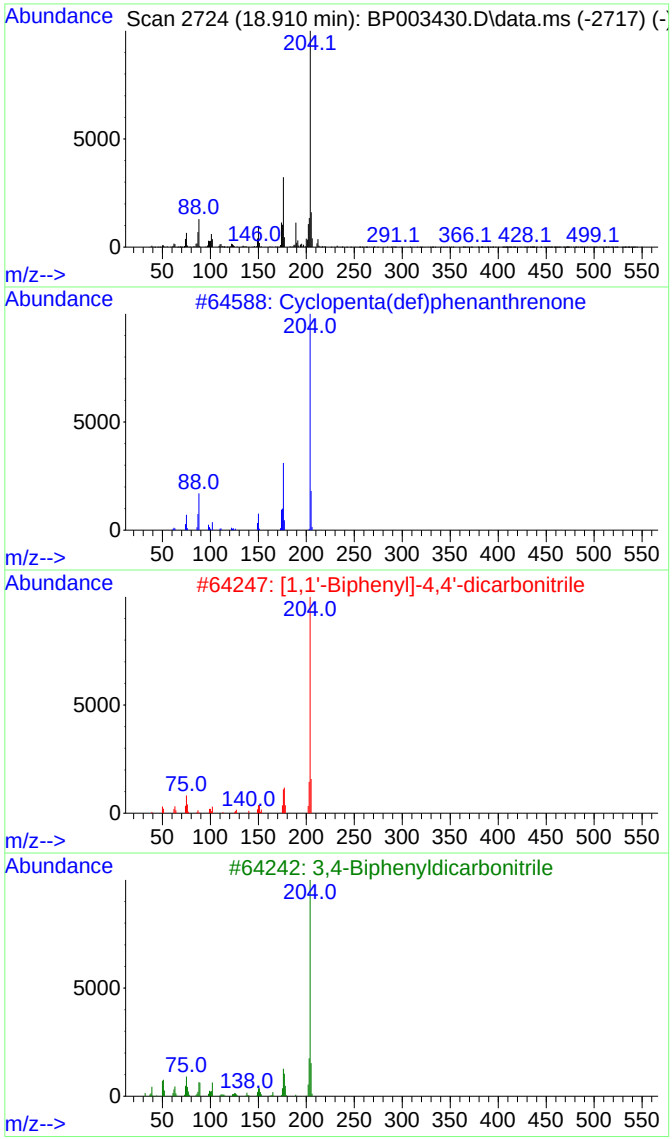
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

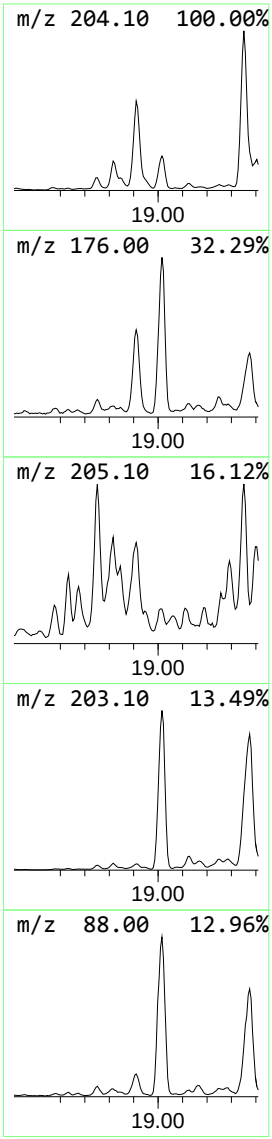
****

Peak Number 19 Cyclopenta(def)phenanthrenone Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.910	7.16 ng	590615	Phenanthrene-d10	16.963

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	96
2	[1,1'-Biphenyl]-4,4'-dicarbonitrile	204	C14H8N2	001591-30-6	53
3	3,4-Biphenyldicarbonitrile	204	C14H8N2	004128-63-6	53
4	4-Quinolinol, 5,8-dimethoxy-2-me...	219	C12H13NO3	1000337-90-3	50
5	(E)-Ethyl 3-oxo-2-(pyrid-2-yl)me...	219	C12H13NO3	1000147-59-7	42





Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP093020\
Data File : BP003430.D
Acq On : 01 Oct 2020 00:35
Operator : CG/JU
Sample : L4193-01
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : B-12(3-4)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP091520.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

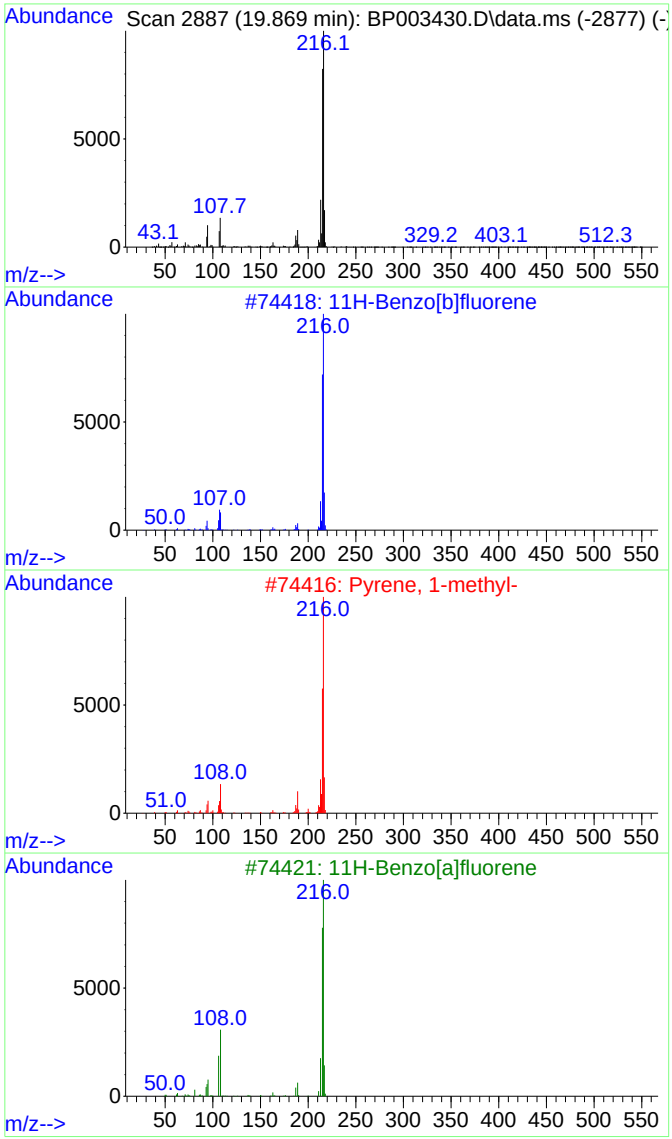
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

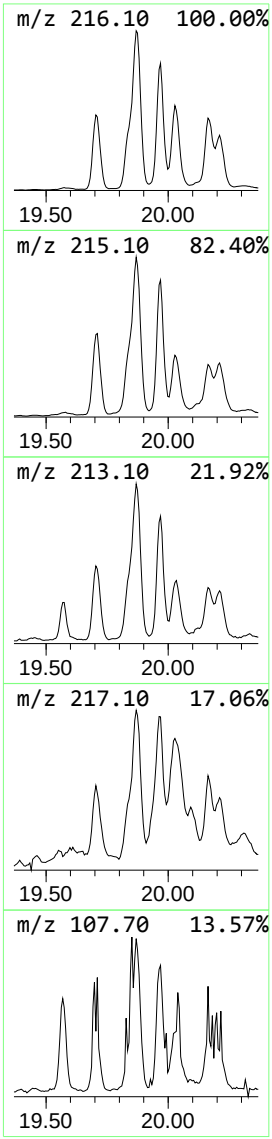
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.869	3.81 ng	2498740	Chrysene-d12	21.174

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	94
2	Pyrene, 1-methyl-	216	C17H12	002381-21-7	93
3	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	93
4	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	93
5	7H-Benzo[c]fluorene	216	C17H12	000205-12-9	74





Tentatively Identified Compound (LSC) summary

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP093020\
Data File : BP003430.D
Acq On : 01 Oct 2020 00:35
Operator : CG/JU
Sample : L4193-01
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : B-12(3-4)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP091520.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

					--Internal Standard---			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
1,1'-Biphenyl, ...	14.816	2.4	ng	163139	3	14.193	1348080	20.0
Fluorene-9-meth...	15.075	2.9	ng	196469	3	14.193	1348080	20.0
Dibenzofuran, 4...	15.551	2.7	ng	182188	3	14.193	1348080	20.0
1(2H)-Acenaphth...	15.939	3.1	ng	254007	4	16.963	1649530	20.0
9H-Fluorene, 1-...	16.263	3.1	ng	253119	4	16.963	1649530	20.0
9H-Fluoren-9-one	16.622	3.5	ng	284164	4	16.963	1649530	20.0
Phenol, 3-(2-ph...	16.698	2.5	ng	208887	4	16.963	1649530	20.0
Naphtho[2,1-b]t...	16.775	5.3	ng	440185	4	16.963	1649530	20.0
Acridine	17.163	3.3	ng	273240	4	16.963	1649530	20.0
Anthracene, 9-e...	17.480	2.4	ng	201270	4	16.963	1649530	20.0
Phenanthrene, 2...	17.845	10.3	ng	846788	4	16.963	1649530	20.0
Phenanthrene, 1...	17.892	13.4	ng	1108460	4	16.963	1649530	20.0
Anthracene, 2-m...	17.975	7.0	ng	576781	4	16.963	1649530	20.0
4H-Cyclopenta[d...	18.033	22.5	ng	1858590	4	16.963	1649530	20.0
1H-Cyclopropa[l...	18.069	6.8	ng	557374	4	16.963	1649530	20.0
Naphthalene, 2-...	18.333	7.7	ng	635393	4	16.963	1649530	20.0
9,10-Anthracene...	18.404	4.8	ng	398728	4	16.963	1649530	20.0
Phenanthrene, 2...	18.751	9.1	ng	752745	4	16.963	1649530	20.0
Cyclopenta(def)...	18.910	7.2	ng	590615	4	16.963	1649530	20.0
11H-Benzo[b]flu...	19.869	3.8	ng	2498740	5	21.174	13127500	20.0