LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP112420\
Data File : BP004088.D
Acq On : 24 Nov 2020 22:08
Operator : CG/JU
Sample : L4844-01 5X
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : OR-02-112020

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-BP110320.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BP004088.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.916	3	5	16	rVB	812826	851239	12.78%	1.276%
2	3.075	27	32	43	rVB	57164	95557	1.43%	0.143%
3	5.269	399	405	412	rBV	62683	92390	1.39%	0.138%
4	5.805	490	496	510	rVB	292897	458901	6.89%	0.688%
5	7.457	769	777	787	rBV	277706	502066	7.54%	0.753%
6	8.269	908	915	923	rBV	474520	748461	11.23%	1.122%
7	9.434	1099	1113	1123	rBV	182663	321542	4.83%	0.482%
8	11.098	1386	1396	1402	rBV	609970	1039550	15.60%	1.558%
9	11.151	1402	1405	1413	rVB	54633	86677	1.30%	0.130%
10	12.740	1665	1675	1686	rVB	64810	117324	1.76%	0.176%
11	12.957	1704	1712	1719	rVB	91279	149151	2.24%	0.224%
12	13.510	1800	1806	1815	rBV	449379	670220	10.06%	1.005%
13	13.716	1835	1841	1851	rBV3	31664	71427	1.07%	0.107%
14	14.057	1894	1899	1900	rBV2	50421	66905	1.00%	0.100%
15	14.216	1920	1926	1931	rBV	111143	187102	2.81%	0.280%
16	14.269	1931	1935	1940	rVV	74393	108392	1.63%	0.162%
17	14.339	1940	1947	1955	rVB4	52975	136721	2.05%	0.205%
18	14.451	1961	1966	1969	rBV2	56386	83690	1.26%	0.125%
19	14.616	1989	1994	2004	rBV	236190	362688	5.44%	0.544%
20	14.892	2036	2041	2047	rVB	897148	1286846	19.31%	1.929%
21	14.957	2047	2052	2058	rVB	325685	461106	6.92%	0.691%
22	15.092	2070	2075	2084	rBV4	27722	71101	1.07%	0.107%
23	15.286	2101	2108	2116	rVB	264255	406408	6.10%	0.609%
24	15.357	2116	2120	2125	rBV	57171	79413	1.19%	0.119%
25	15.504	2137	2145	2150	rBV3	55127	128263	1.93%	0.192%
26	15.675	2166	2174	2177	rBV5	34774	92261	1.38%	0.138%
27	15.757	2184	2188	2192	rBV	52566	78380	1.18%	0.117%
28	15.933	2212	2218	2228	rVB	551042	854577	12.83%	1.281%
29	16.228	2264	2268	2273	rVB	79029	118015	1.77%	0.177%
30	16.375	2284	2293	2300	rBV3	364553	626997	9.41%	0.940%
31	16.598	2327	2331	2338	rVB2	122265	184414	2.77%	0.276%
32	16.933	2380	2388	2392	rBV2	136824	275649	4.14%	0.413%
33	16.986	2393	2397	2402	rVB	89142	131645	1.98%	0.197%
34	17.080	2409	2413	2418	rVB2	89984	140192	2.10%	0.210%
35	17.204	2431	2434	2441	rVB2	56624	81615	1.22%	0.122%
36	17.351	2456	2459	2465	rBV3	74114	110980	1.67%	0.166%

LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP112420\
Data File : BP004088.D
Acq On : 24 Nov 2020 22:08
Operator : CG/JU
Sample : L4844-01 5X
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : OR-02-112020

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-BP110320.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

37	17.445	2471	2475	2483	rVB	224232	324457	4.87%	0.486%
38	17.627	2500	2506	2509	rBV	1027554	1490628	22.37%	2.234%
39	17.669	2509	2513	2519	rVV	2992146	4181906	62.77%	6.269%
40	17.757	2523	2528	2533	rVV	1128260	1577311	23.67%	2.364%
41	17.816	2533	2538	2543	rVB4	85739	172769	2.59%	0.259%
42	18.010	2567	2571	2576	rBV	185599	269830	4.05%	0.404%
43	18.122	2587	2590	2594	rVB	84921	110891	1.66%	0.166%
44	18.192	2599	2602	2610	rVB	122040	173686	2.61%	0.260%
45	18.333	2622	2626	2632	rVB	83009	141075	2.12%	0.211%
46	18.474	2645	2650	2654	rBV	490459	662108	9.94%	0.992%
47	18.522	2654	2658	2664	rVB	689918	923552	13.86%	1.384%
48	18.598	2666	2671	2676	rBV	319482	467074	7.01%	0.700%
49	18.669	2676	2683	2686	rBV3	1077396	1838941	27.60%	2.757%
50	18.939	2725	2729	2733	rBV	336355	435183	6.53%	0.652%
51	18.986	2734	2737	2747	rVB3	111637	229870	3.45%	0.345%
52	19.180	2764	2770	2774	rBV2	154539	255163	3.83%	0.382%
53	19.233	2776	2779	2782	rBV	170543	182532	2.74%	0.274%
54	19.269	2782	2785	2789	rVB2	154236	195072	2.93%	0.292%
55	19.351	2793	2799	2803	rBV	429977	746849	11.21%	1.120%
56	19.416	2804	2810	2812	rBV3	186280	352660	5.29%	0.529%
57	19.480	2818	2821	2825	rBV2	143338	265335	3.98%	0.398%
58	19.610	2836	2843	2847	rBV	4962414	6662785	100.00%	9.987%
59	19.651	2847	2850	2853	rVV2	89380	103645	1.56%	0.155%
60	19.751	2863	2867	2870	rBV	129757	188706	2.83%	0.283%
61	19.839	2879	2882	2891	rVB2	226256	416666	6.25%	0.625%
62	19.921	2891	2896	2898	rBV2	731336	1088213	16.33%	1.631%
63	19.957	2898	2902	2909	rVV	4531246	6065800	91.04%	9.093%
64	20.021	2909	2913	2918	rVB2	275820	411747	6.18%	0.617%
65	20.121	2926	2930	2936	rVB	929873	1152541	17.30%	1.728%
66	20.263	2950	2954	2960	rBV3	289782	575924	8.64%	0.863%
67	20.427	2974	2982	2989	rVB	1017728	1822823	27.36%	2.732%
68	20.521	2994	2998	3002	rVV	834060	1079331	16.20%	1.618%
69	20.580	3005	3008	3012	rVB	470376	613489	9.21%	0.920%
70	20.716	3028	3031	3035	rBV	360457	477455	7.17%	0.716%
71	20.763	3036	3039	3048	rVB	397802	549809	8.25%	0.824%
72	21.310	3129	3132	3135	rBV	333553	389291	5.84%	0.584%
73	21.392	3142	3146	3149	rBV3	429011	555360	8.34%	0.832%
74	21.651	3184	3190	3195	rBV2	2587952	5081816	76.27%	7.618%
75	21.704	3195	3199	3209	rVB	1942867	2842685	42.67%	4.261%
76	21.833	3218	3221	3226	rVB	379163	473105	7.10%	0.709%

LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP112420\
Data File : BP004088.D
Acq On : 24 Nov 2020 22:08
Operator : CG/JU
Sample : L4844-01 5X
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : OR-02-112020

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-BP110320.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

77	21.998	3246	3249	3255	rVB2	232742	329997	4.95%	0.495%
78	23.392	3480	3486	3491	rBV	1350585	3381522	50.75%	5.069%
79	23.580	3514	3518	3525	rVB	348049	602717	9.05%	0.903%
80	23.927	3572	3577	3587	rVB	859840	1744456	26.18%	2.615%
81	24.033	3589	3595	3604	rVB	1396800	2843703	42.68%	4.263%
82	24.139	3609	3613	3618	rVV	560402	982988	14.75%	1.473%

Sum of corrected areas: 66711331

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP112420\
Data File : BP004088.D
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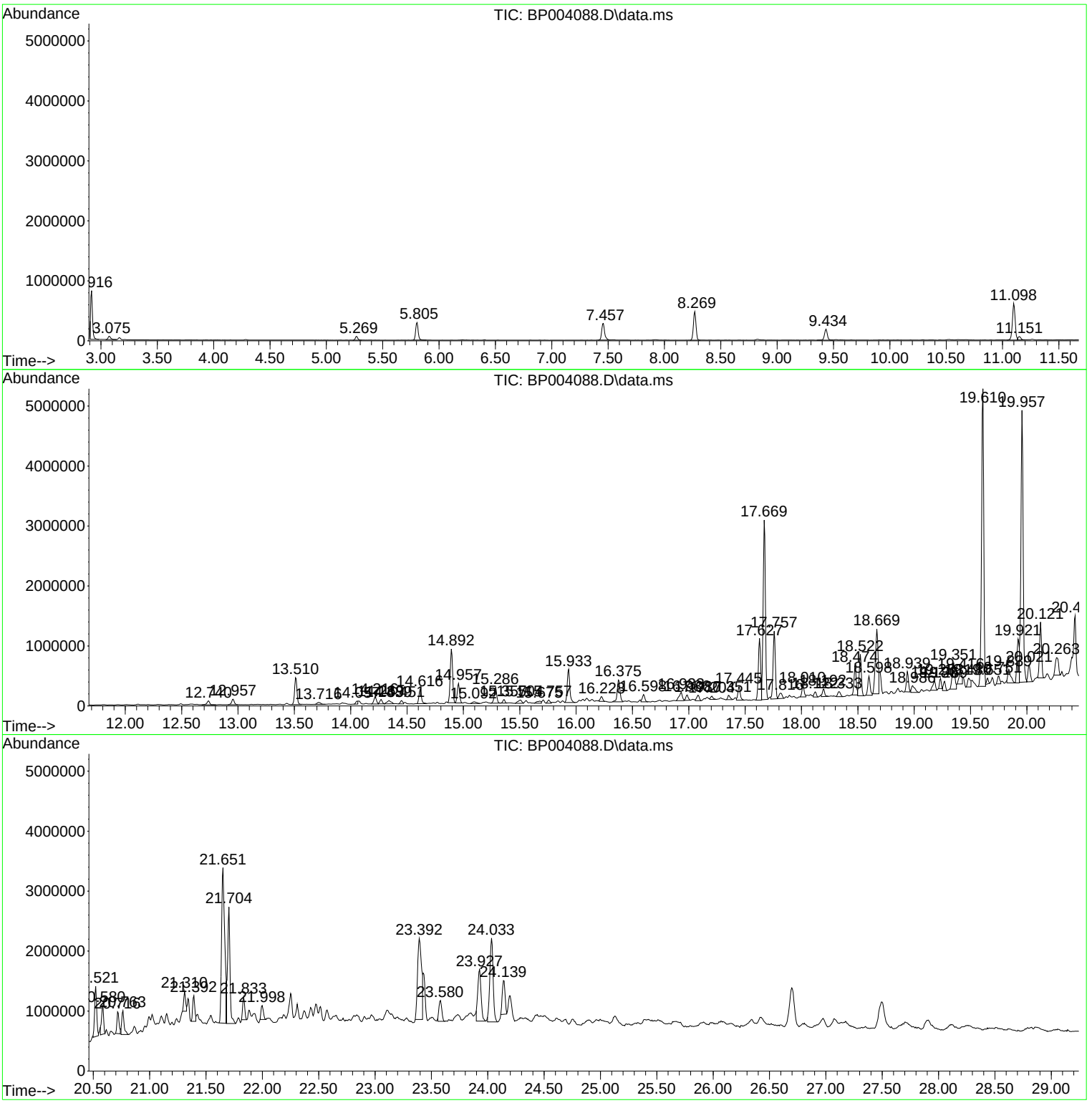
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
OR-02-112020

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270E-BP110320.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\BP112420\
Data File : BP004088.D
Acq On : 24 Nov 2020 22:08
Operator : CG/JU
Sample : L4844-01 5X
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
OR-02-112020

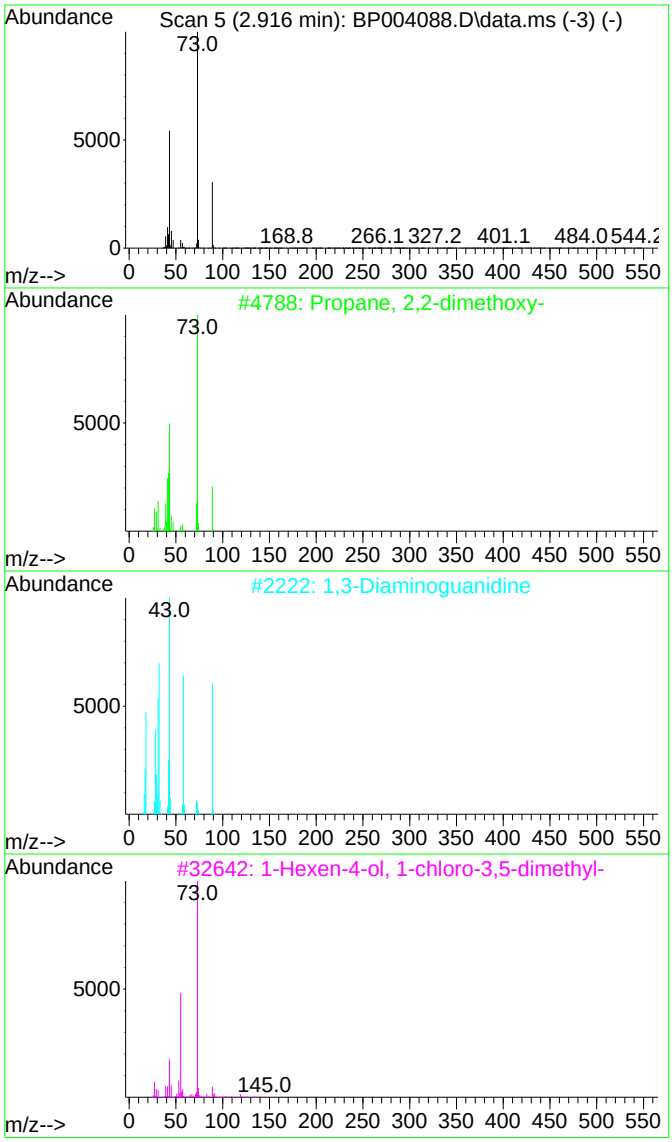
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270E-BP110320.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

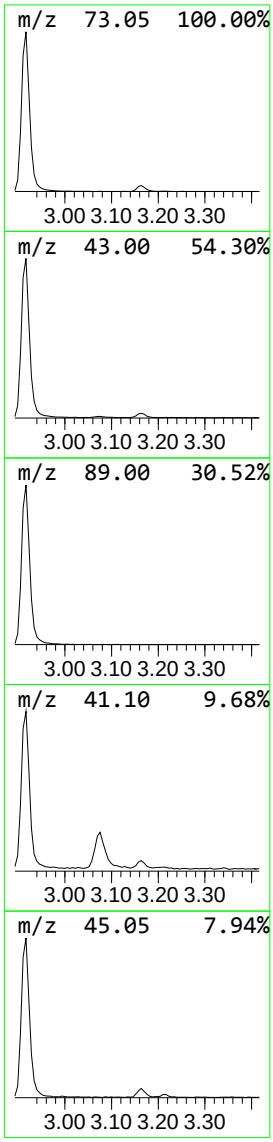
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 1 Propane, 2,2-dimethoxy- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.916	22.75 ng	851239	1,4-Dichlorobenzene-d4	8.269

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Propane, 2,2-dimethoxy-	104	C5H12O2	000077-76-9	56
2	1,3-Diaminoguanidine	89	CH7N5	004364-78-7	9
3	1-Hexen-4-ol, 1-chloro-3,5-dimet...	162	C8H15ClO	100244-09-5	9
4	Propane, 2-methoxy-2-methyl-	88	C5H12O	001634-04-4	9
5	Pentane, 3-methoxy-	102	C6H14O	036839-67-5	9





Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP112420\
Data File : BP004088.D
Acq On : 24 Nov 2020 22:08
Operator : CG/JU
Sample : L4844-01 5X
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
OR-02-112020

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270E-BP110320.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

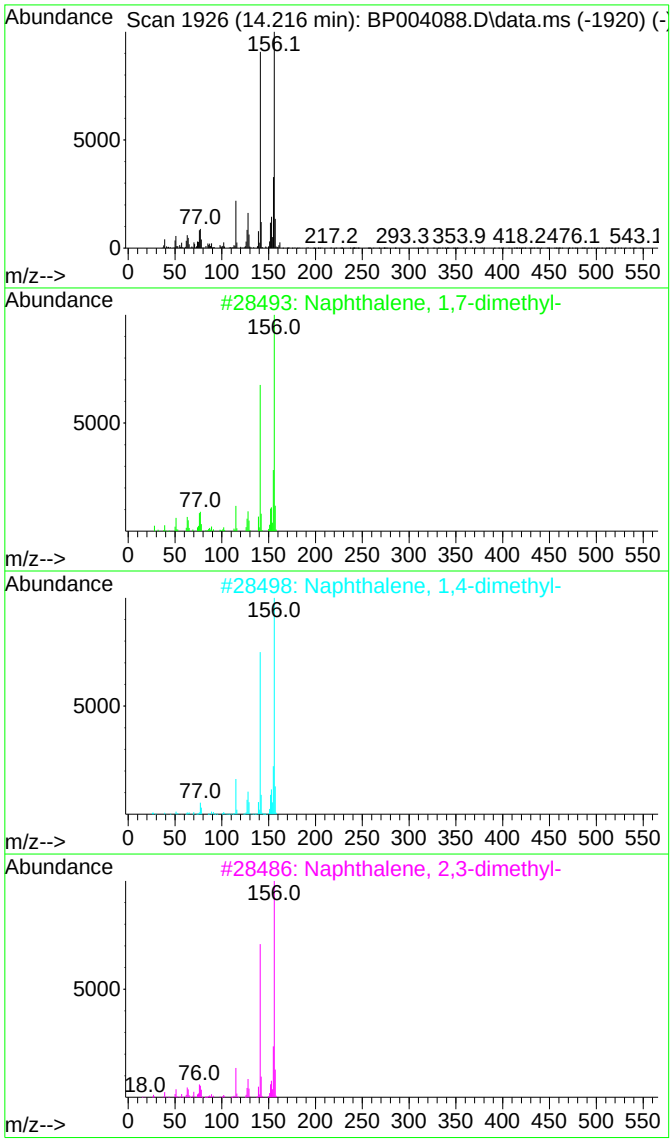
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

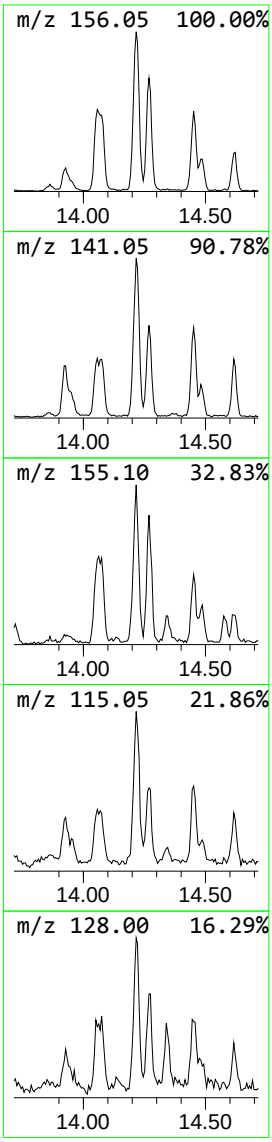
****

Peak Number 3 Naphthalene, 1,7-dimethyl- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.216	2.91 ng	187102	Acenaphthene-d10	14.892

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	97
2	Naphthalene, 1,4-dimethyl-	156	C12H12	000571-58-4	97
3	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	96
4	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	96
5	Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	96





Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP112420\
Data File : BP004088.D
Acq On : 24 Nov 2020 22:08
Operator : CG/JU
Sample : L4844-01 5X
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
OR-02-112020

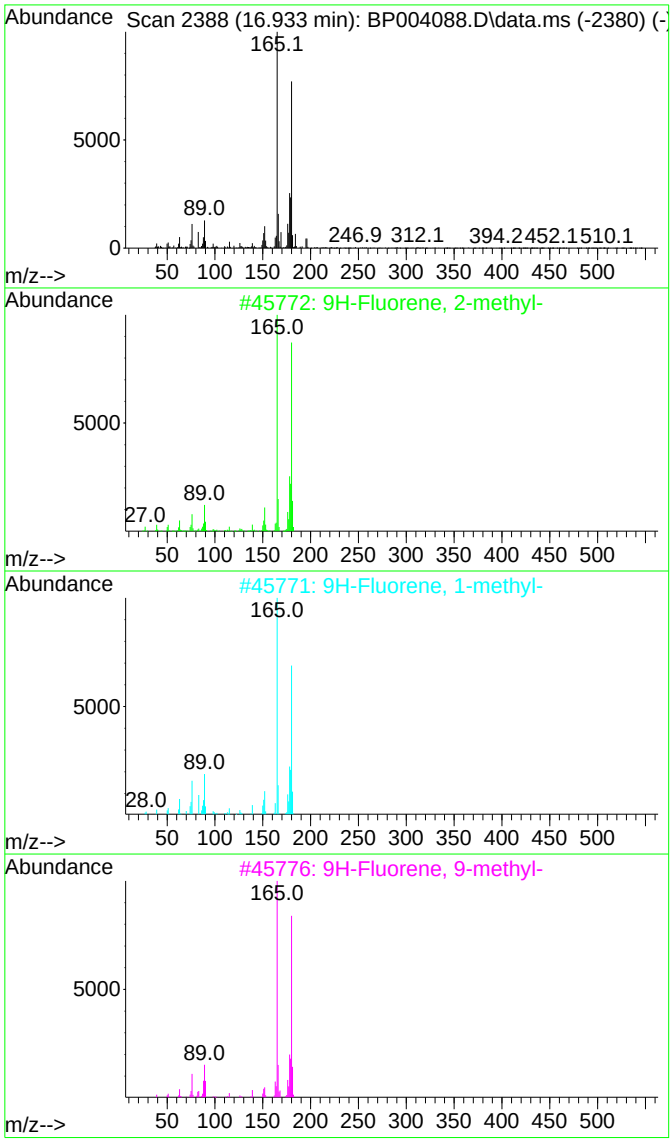
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270E-BP110320.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

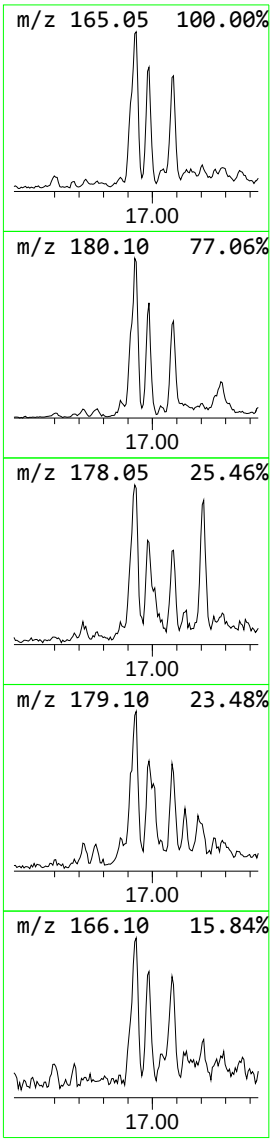
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 4 9H-Fluorene, 2-methyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.933	3.70 ng	275649	Phenanthrene-d10	17.628

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluorene, 2-methyl-	180	C14H12	001430-97-3	93
2	9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	90
3	9H-Fluorene, 9-methyl-	180	C14H12	002523-37-7	81
4	9H-Fluorene, 3-methyl-	180	C14H12	002523-39-9	81
5	9H-Fluorene, 4-methyl-	180	C14H12	001556-99-6	81





Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP112420\
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Acq On : 24 Nov 2020 22:08
Operator : CG/JU
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Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
OR-02-112020

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270E-BP110320.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

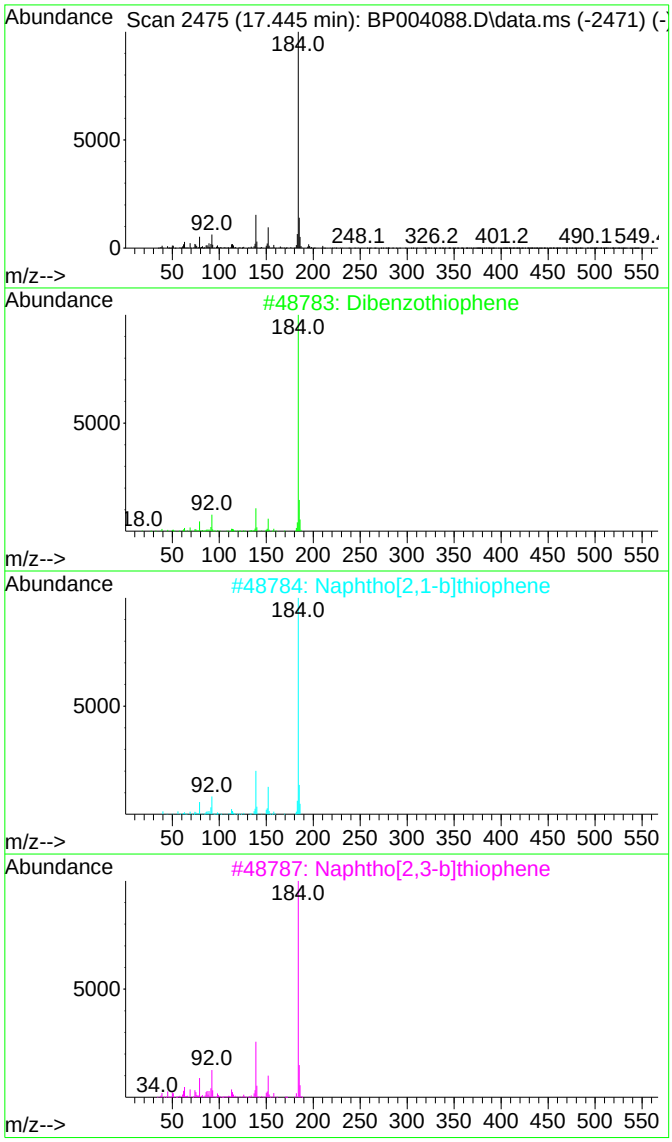
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

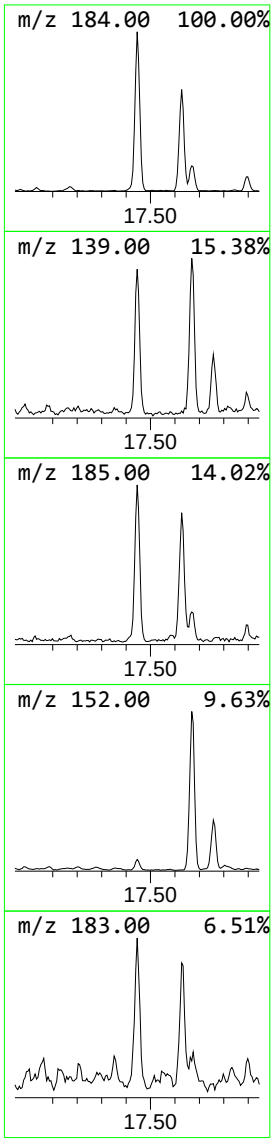
****

Peak Number 5 Dibenzothiophene Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.445	4.35 ng	324457	Phenanthrene-d10	17.628

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzothiophene	184	C12H8S	000132-65-0	96
2	Naphtho[2,1-b]thiophene	184	C12H8S	000233-02-3	95
3	Naphtho[2,3-b]thiophene	184	C12H8S	000268-77-9	94
4	Naphtho[1,2-b]thiophene	184	C12H8S	000234-41-3	94
5	Azuleno(2,1-b)thiophene	184	C12H8S	000248-13-5	90





Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP112420\
Data File : BP004088.D
Acq On : 24 Nov 2020 22:08
Operator : CG/JU
Sample : L4844-01 5X
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
OR-02-112020

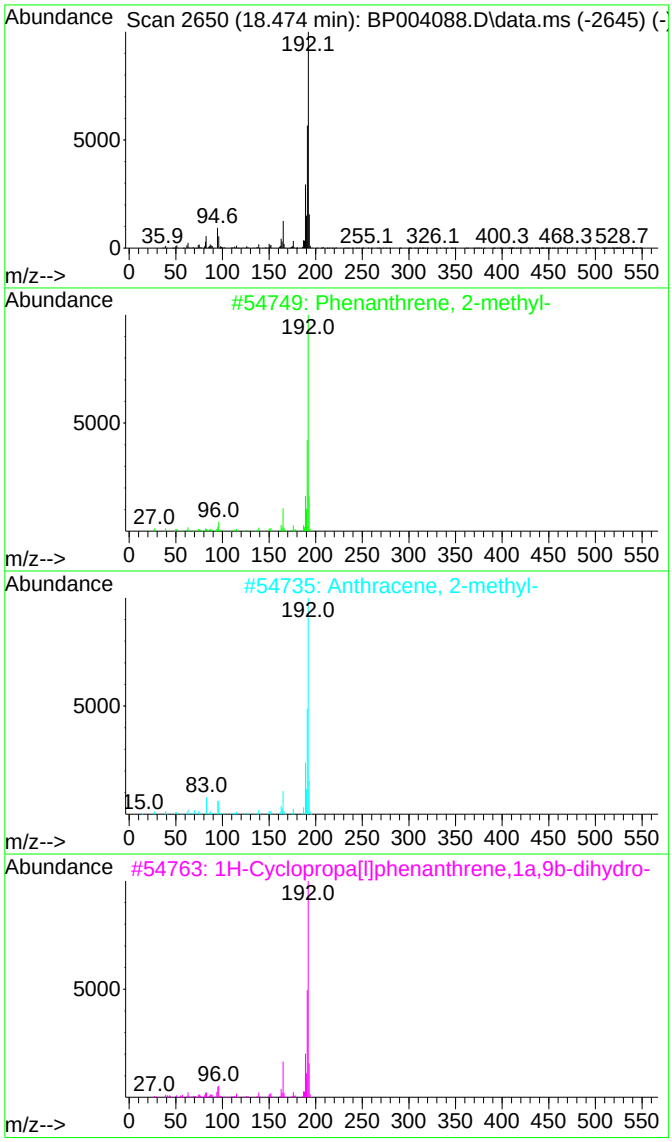
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270E-BP110320.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

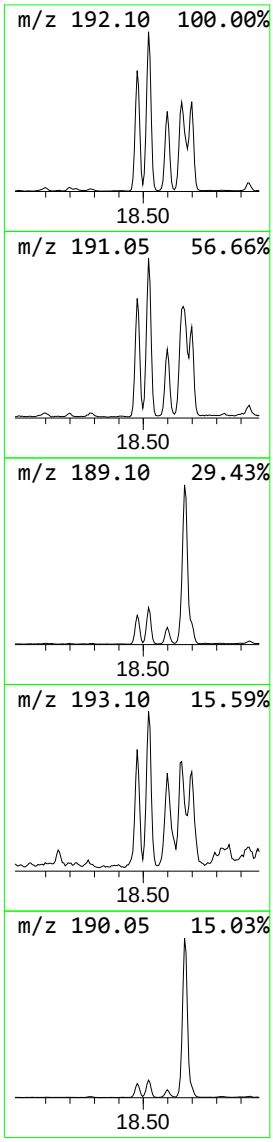
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 6 Phenanthrene, 2-methyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.474	8.88 ng	662108	Phenanthrene-d10	17.628

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	96
3	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	95
4	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	95
5	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	95





Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP112420\
Data File : BP004088.D
Acq On : 24 Nov 2020 22:08
Operator : CG/JU
Sample : L4844-01 5X
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
OR-02-112020

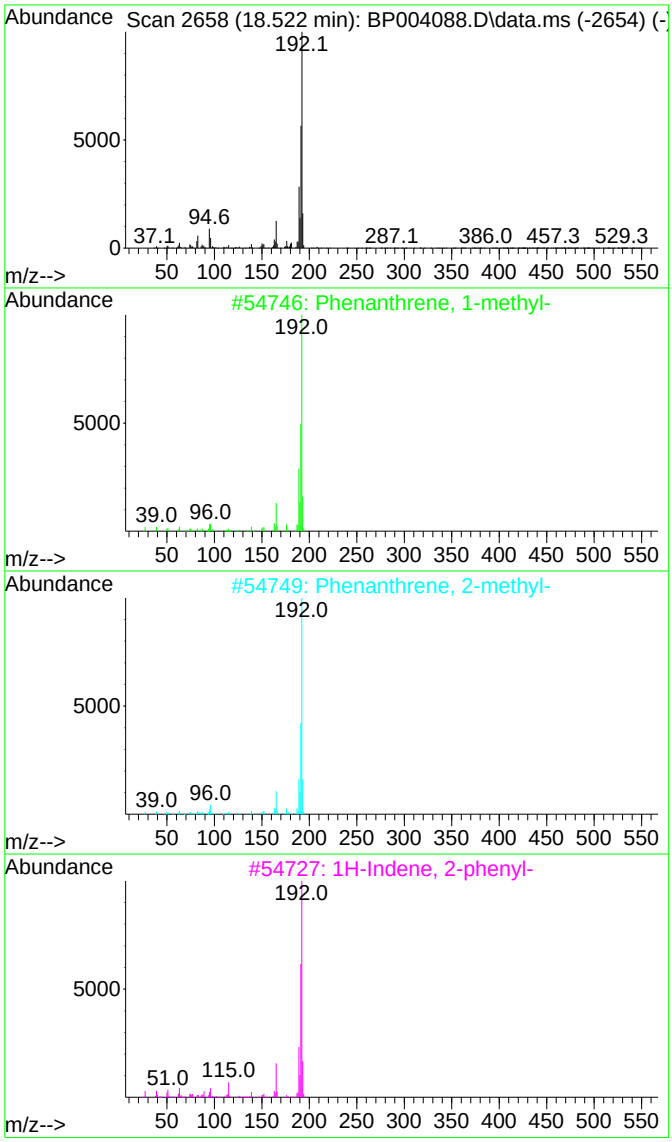
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270E-BP110320.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

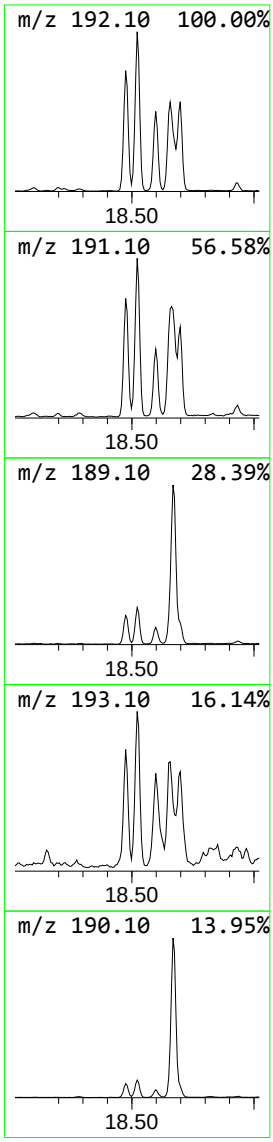
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 7 Phenanthrene, 1-methyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.522	12.39 ng	923552	Phenanthrene-d10	17.628

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	97
3	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	96
4	Anthracene, 2-methyl-	192	C15H12	000613-12-7	95
5	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	95





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Data File : BP004088.D
Acq On : 24 Nov 2020 22:08
Operator : CG/JU
Sample : L4844-01 5X
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
OR-02-112020

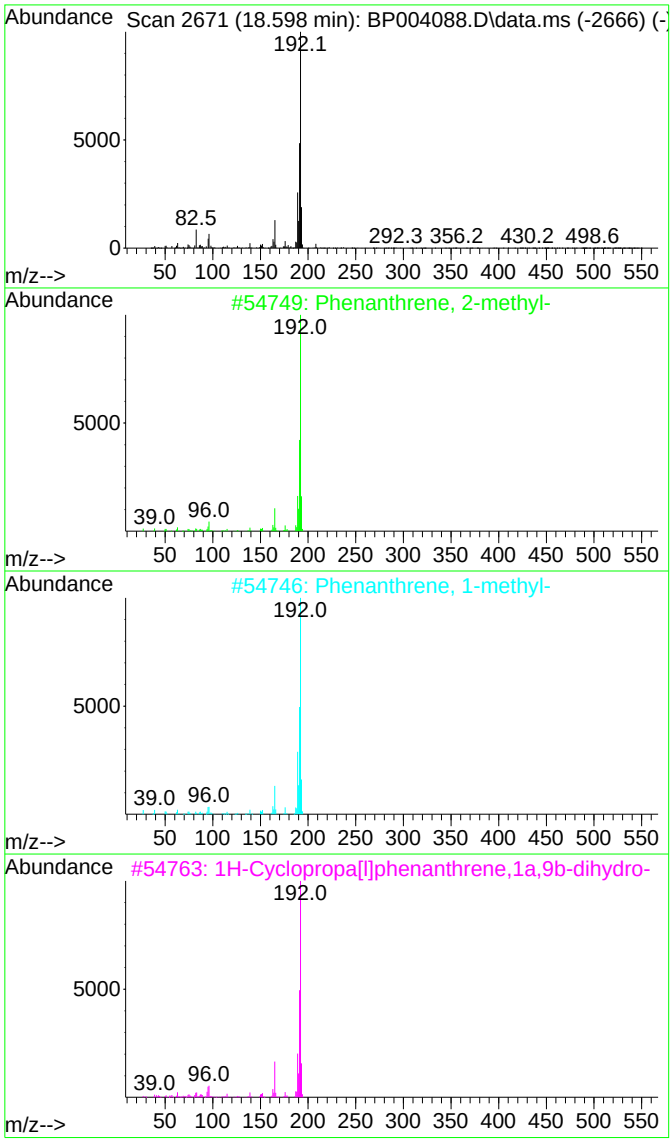
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270E-BP110320.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

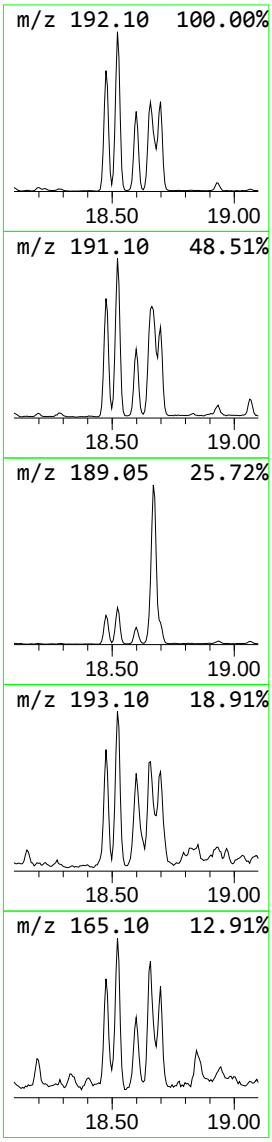
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 8 1H-Cyclopropa[l]phenanthren... Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.598	6.27 ng	467074	Phenanthrene-d10	17.628

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	97
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	96
3	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	96
4	Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
5	Phenanthrene, 3-methyl-	192	C15H12	000832-71-3	95





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Operator : CG/JU
Sample : L4844-01 5X
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
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ClientSampleId :
OR-02-112020

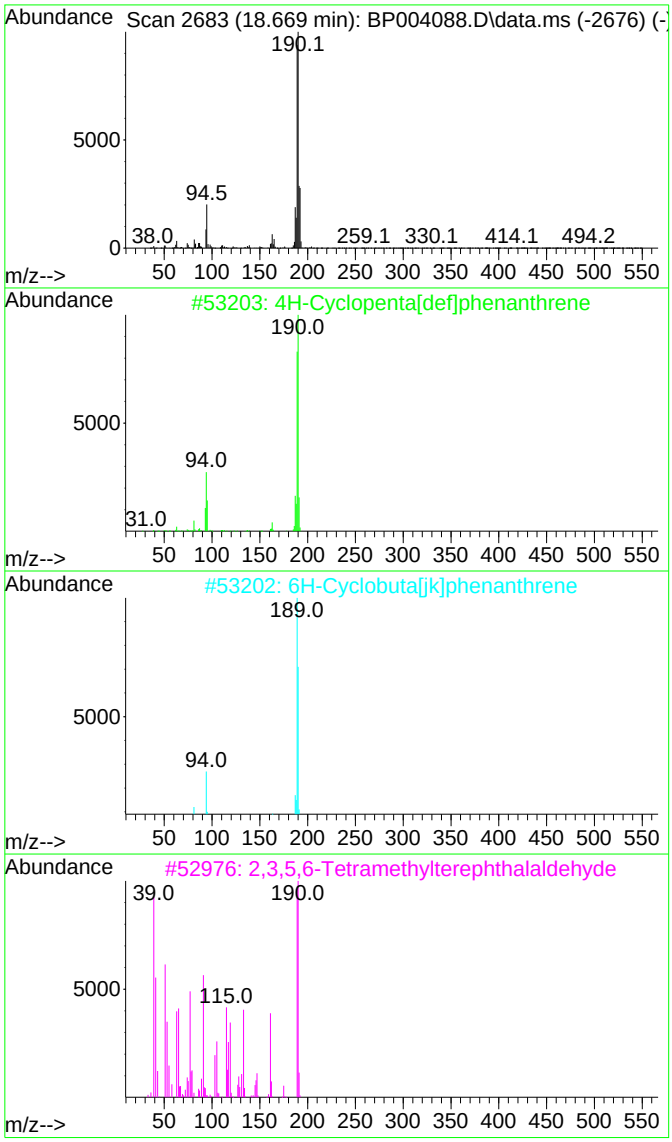
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270E-BP110320.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

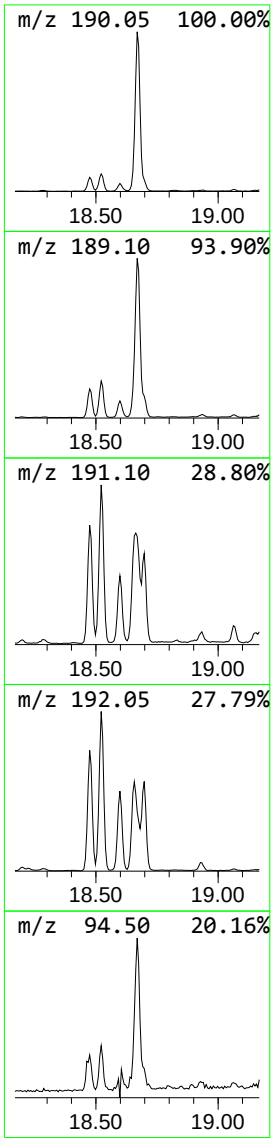
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 9 4H-Cyclopenta[def]phenanthrene Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.669	24.67 ng	1838940	Phenanthrene-d10	17.628

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	93
2	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	50
3	2,3,5,6-Tetramethylterephthalald...	190	C12H14O2	007072-01-7	50
4	Methyl diselenide	190	C2H6Se2	007101-31-7	49
5	2,2'-Bis(4,5-dimethylimidazole)	190	C10H14N4	069286-06-2	45





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Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
OR-02-112020

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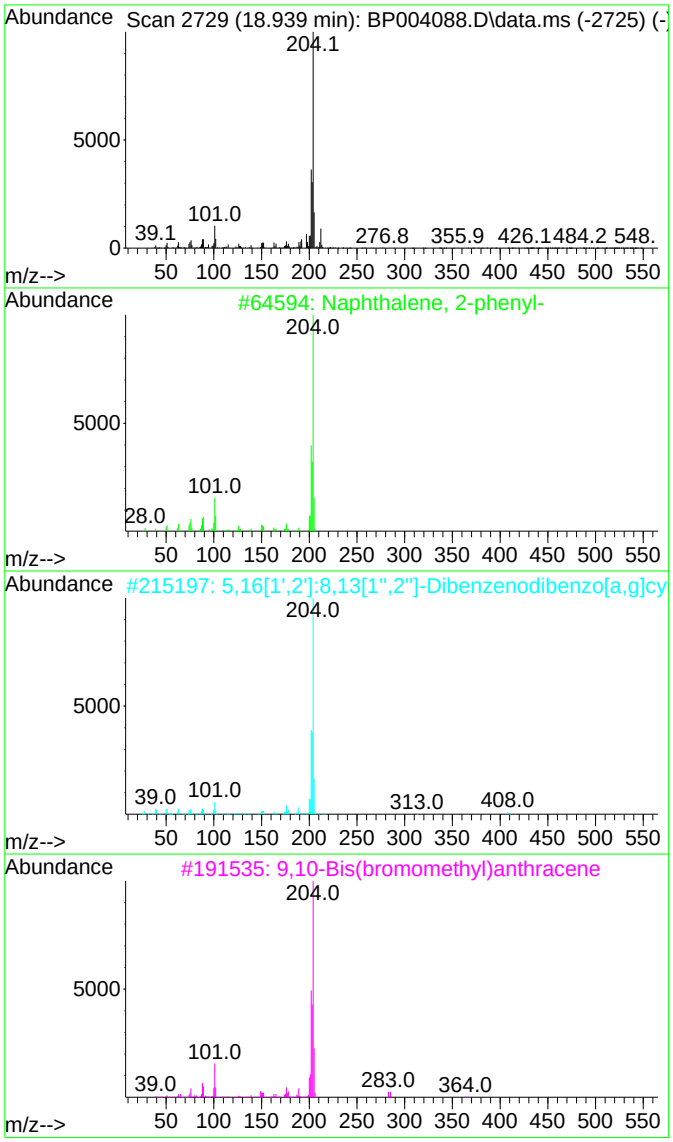
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

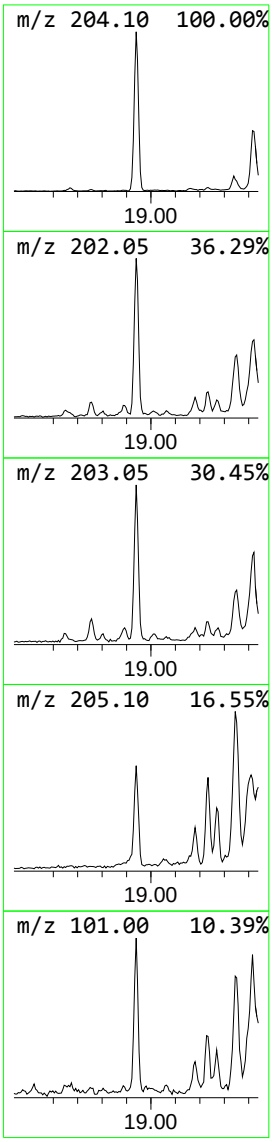
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.939	5.84 ng	435183	Phenanthrene-d10	17.628

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	9,10-Bis(bromomethyl)anthracene	362	C16H12Br2	034373-96-1	64
4	3,4-Biphenyldicarbonitrile	204	C14H8N2	004128-63-6	53
5	1,2,4,8-Tetramethylbicyclo[6.3.0...	204	C15H24	137235-51-9	50





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Sample : L4844-01 5X
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
OR-02-112020

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

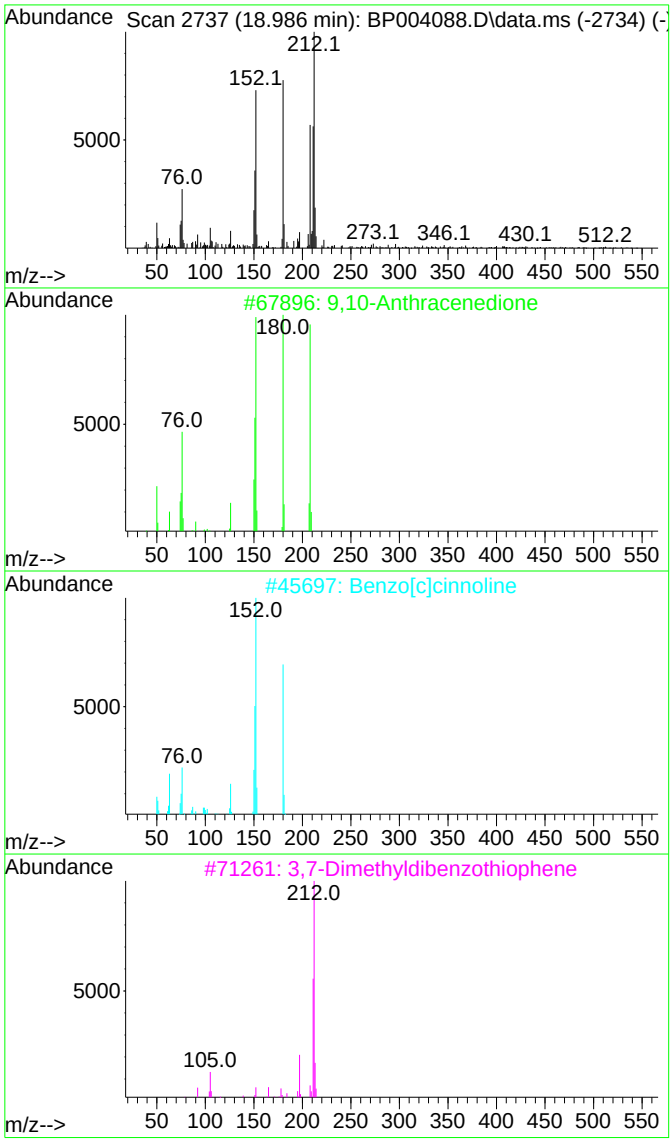
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

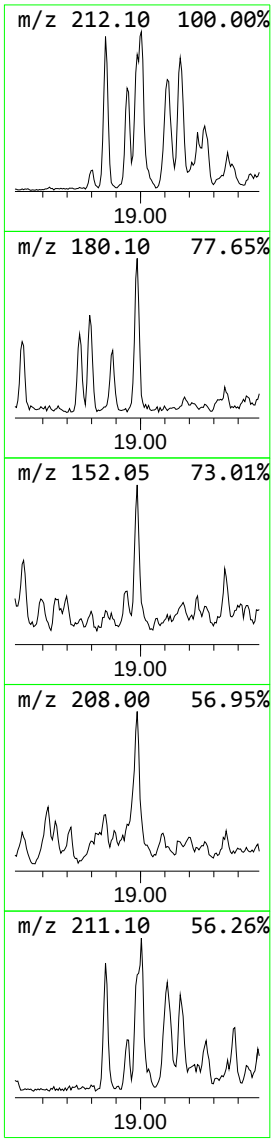
****

Peak Number 11 9,10-Anthracenedione Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.986	3.08 ng	229870	Phenanthrene-d10	17.628

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Anthracenedione	208	C14H8O2	000084-65-1	90
2	Benzo[c]cinnoline	180	C12H8N2	000230-17-1	46
3	3,7-Dimethyldibenzothiophene	212	C14H12S	001136-85-2	42
4	2,7-Dimethyldibenzothiophene	212	C14H12S	031317-19-8	42
5	1H-Phenalen-1-one	180	C13H8O	000548-39-0	38





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Operator : CG/JU
Sample : L4844-01 5X
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
OR-02-112020

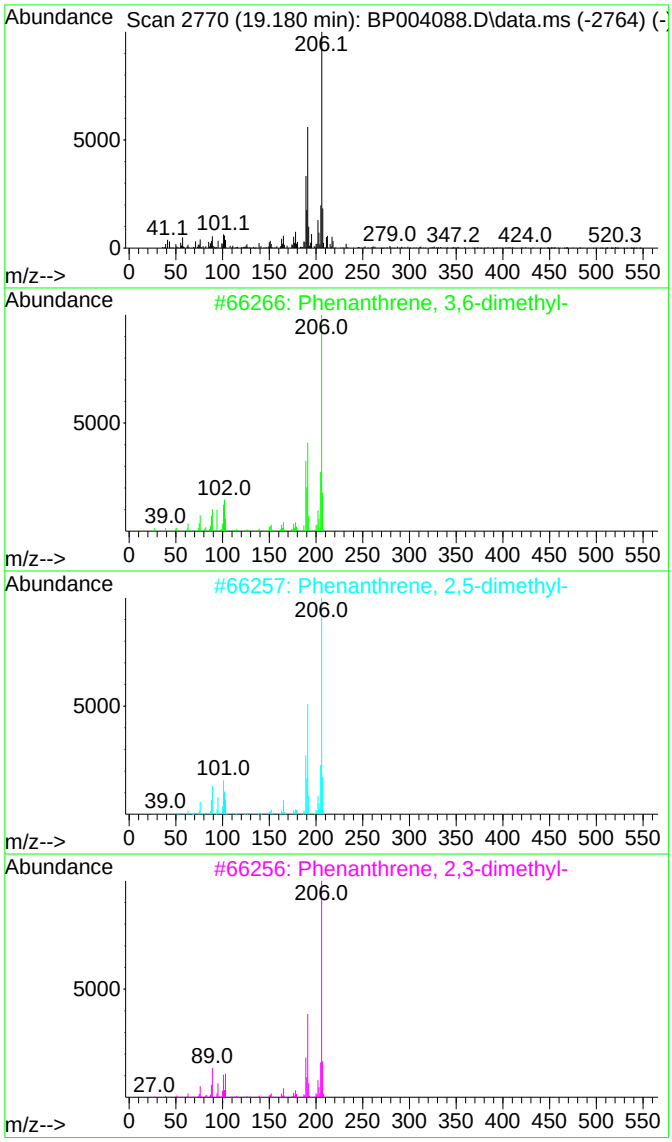
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270E-BP110320.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

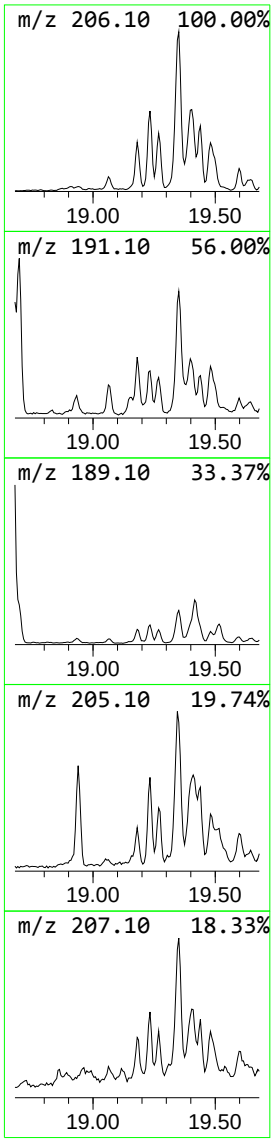
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 12 Phenanthrene, 3,6-dimethyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.180	3.42 ng	255163	Phenanthrene-d10	17.628

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	94
2	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	94
3	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	90
4	9,10-Dimethylanthracene	206	C16H14	000781-43-1	89
5	1,3-Diphenyl-3-methylcyclopropene	206	C16H14	086544-79-8	87





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Operator : CG/JU
Sample : L4844-01 5X
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
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ClientSampleId :
OR-02-112020

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270E-BP110320.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

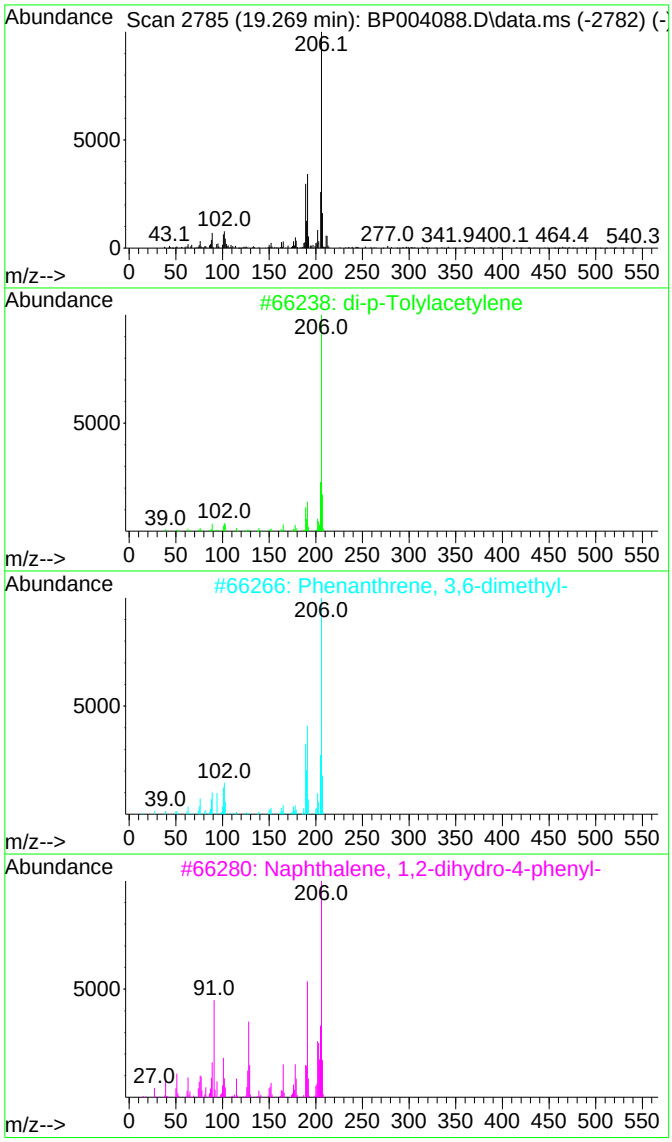
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

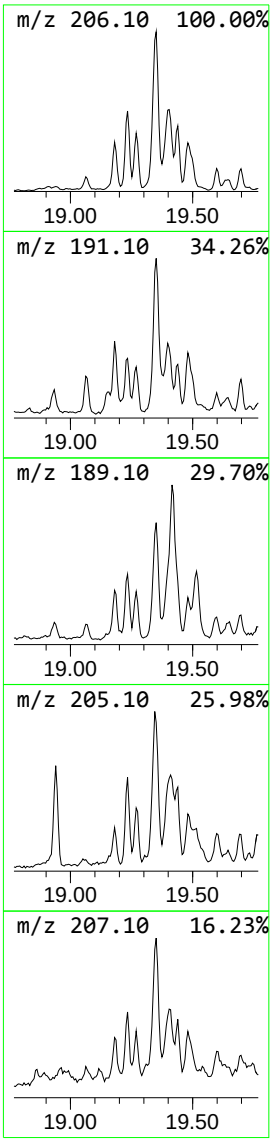
****

Peak Number 13 di-p-Tolylacetylene Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.269	2.62 ng	195072	Phenanthrene-d10	17.628

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	di-p-Tolylacetylene	206	C16H14	002789-88-0	94
2	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	91
3	Naphthalene, 1,2-dihydro-4-phenyl-	206	C16H14	007469-40-1	87
4	Phenanthrene, 2,7-dimethyl-	206	C16H14	001576-69-8	83
5	9,10-Dimethylanthracene	206	C16H14	000781-43-1	83





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Operator : CG/JU
Sample : L4844-01 5X
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
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ClientSampleId :
OR-02-112020

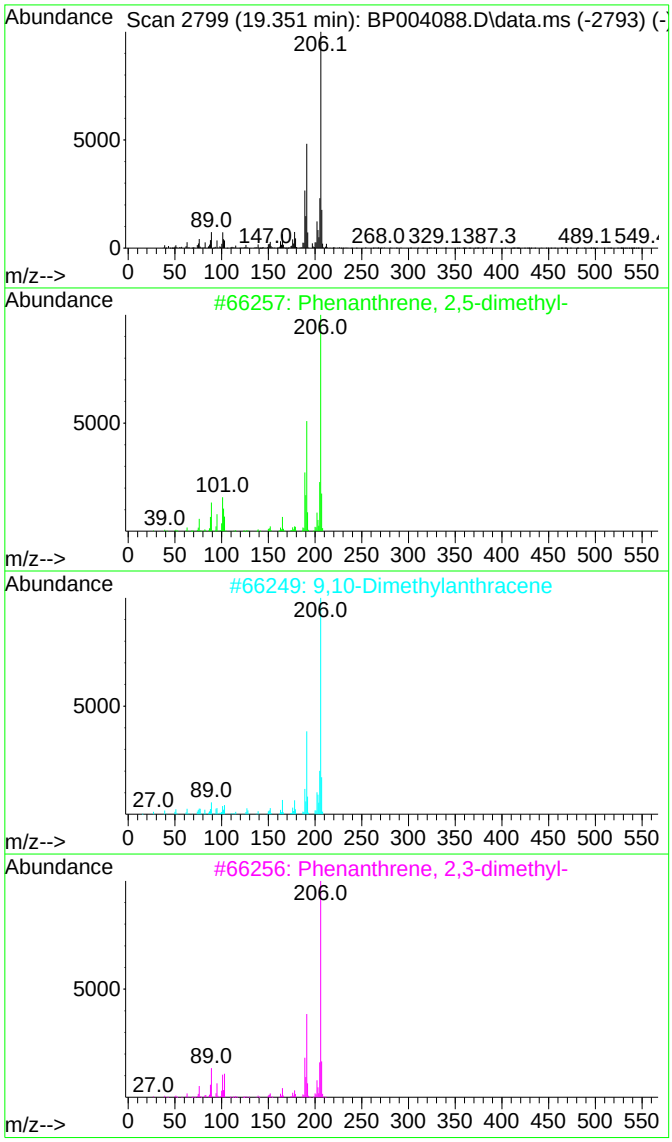
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270E-BP110320.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

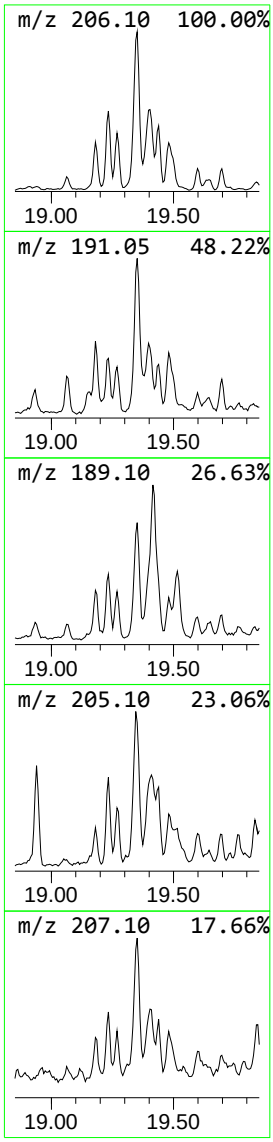
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 14 Phenanthrene, 2,5-dimethyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.351	10.02 ng	746849	Phenanthrene-d10	17.628

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	96
2	9,10-Dimethylanthracene	206	C16H14	000781-43-1	94
3	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	91
4	di-p-Tolylacetylene	206	C16H14	002789-88-0	90
5	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	90





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Operator : CG/JU
Sample : L4844-01 5X
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
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ClientSampleId :
OR-02-112020

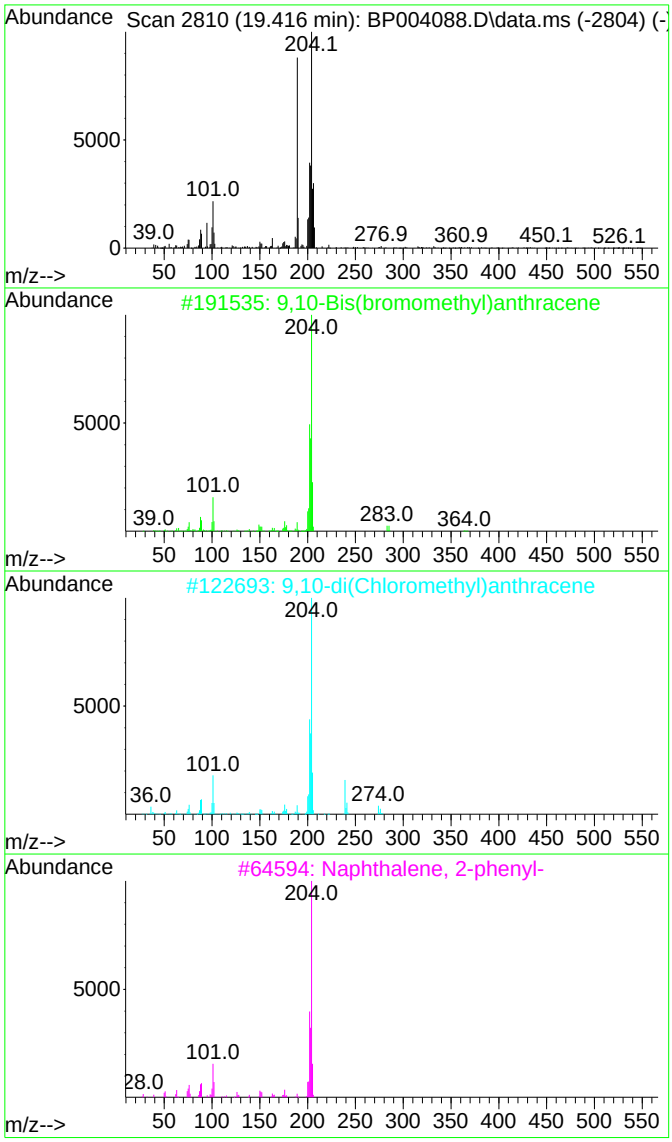
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270E-BP110320.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

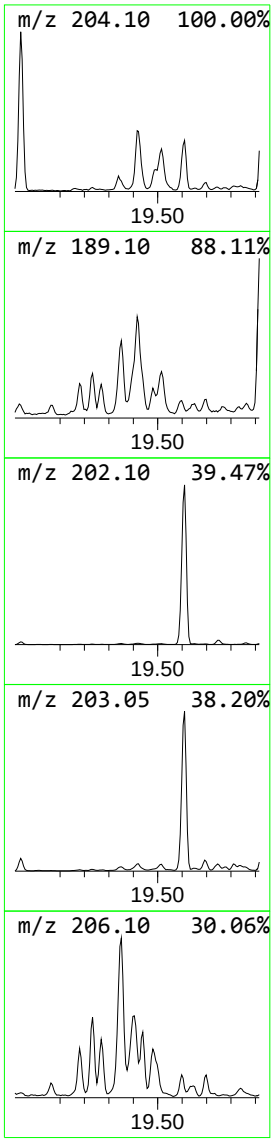
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 15 9,10-Bis(bromomethyl)anthra... Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.416	4.73 ng	352660	Phenanthrene-d10	17.628

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Bis(bromomethyl)anthracene	362	C16H12Br2	034373-96-1	60
2	9,10-di(Chloromethyl)anthracene	274	C16H12Cl2	010387-13-0	52
3	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	45
4	Pyrimidine, 2-chloro-4-methyl-6-...	204	C11H9ClN2	032785-40-3	43
5	[1,1'-Biphenyl]-2-ol, 5-chloro-	204	C12H9ClO	000607-12-5	38





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Sample : L4844-01 5X
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
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ClientSampleId :
OR-02-112020

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270E-BP110320.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

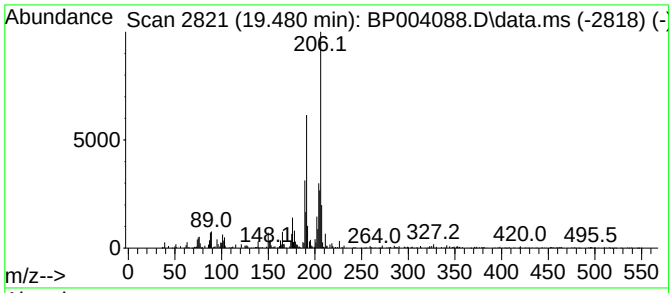
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

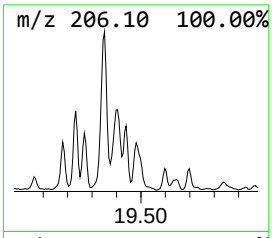
****

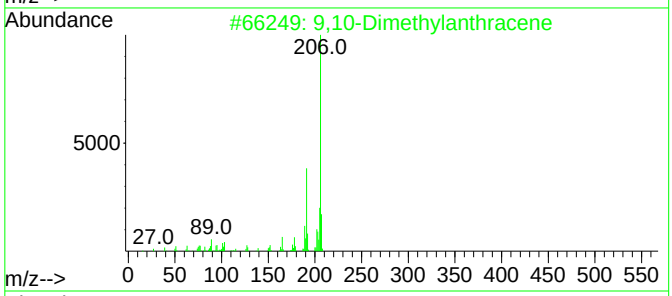
Peak Number 16 9,10-Dimethylanthracene Concentration Rank 15

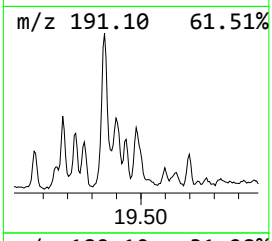
R.T.	EstConc	Area	Relative to ISTD	R.T.
19.480	3.56 ng	265335	Phenanthrene-d10	17.628

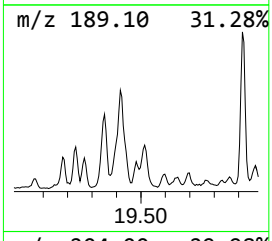
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Dimethylanthracene	206	C16H14	000781-43-1	93
2	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	91
3	Phenanthrene, 4,5-dimethyl-	206	C16H14	003674-69-9	87
4	di-p-Tolylacetylene	206	C16H14	002789-88-0	83
5	1,3-Diphenyl-3-methylcyclopropene	206	C16H14	086544-79-8	81

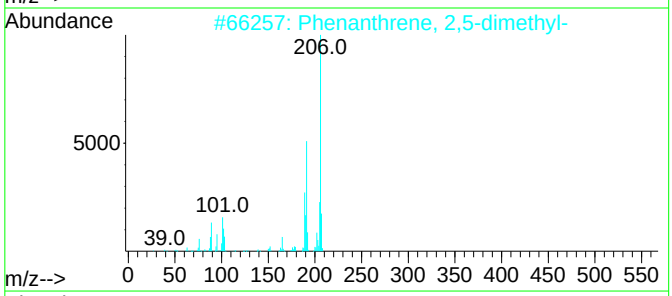


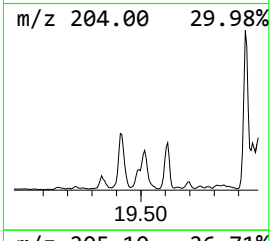


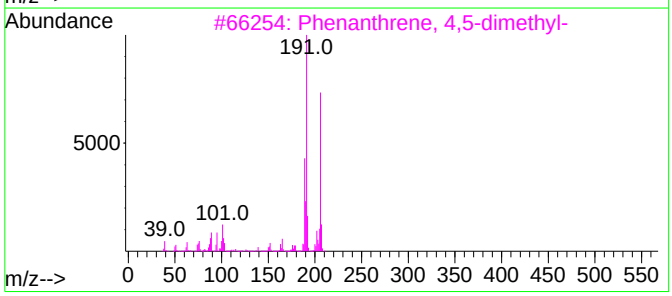


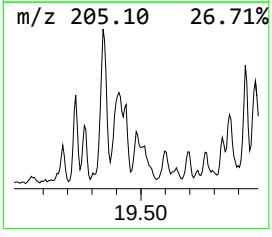












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Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270E-BP110320.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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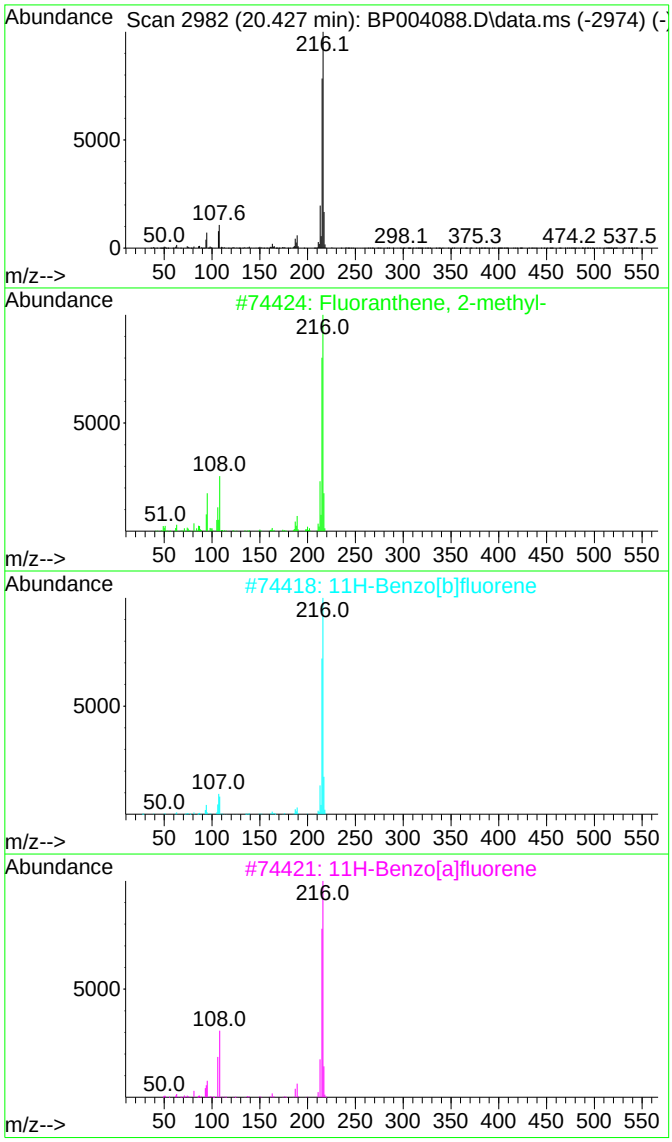
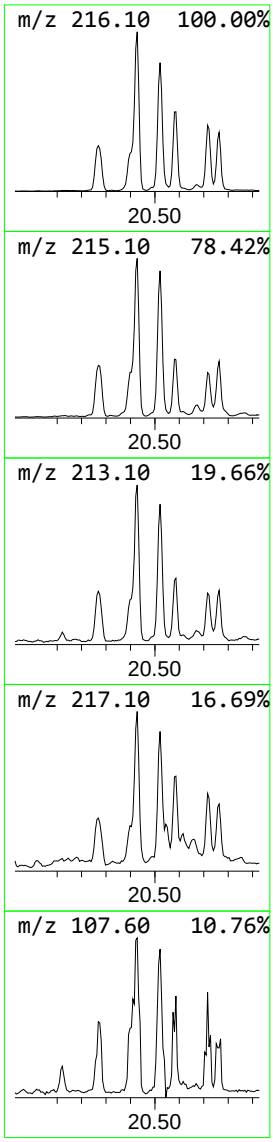
Peak Number 17 Fluoranthene, 2-methyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.427	7.17 ng	1822820	Chrysene-d12	21.663

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	93
2	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	90
3	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	87
4	Pyrene, 1-methyl-	216	C17H12	002381-21-7	87
5	7H-Benzo[c]fluorene	216	C17H12	000205-12-9	83





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Data File : BP004088.D
Acq On : 24 Nov 2020 22:08
Operator : CG/JU
Sample : L4844-01 5X
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
OR-02-112020

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270E-BP110320.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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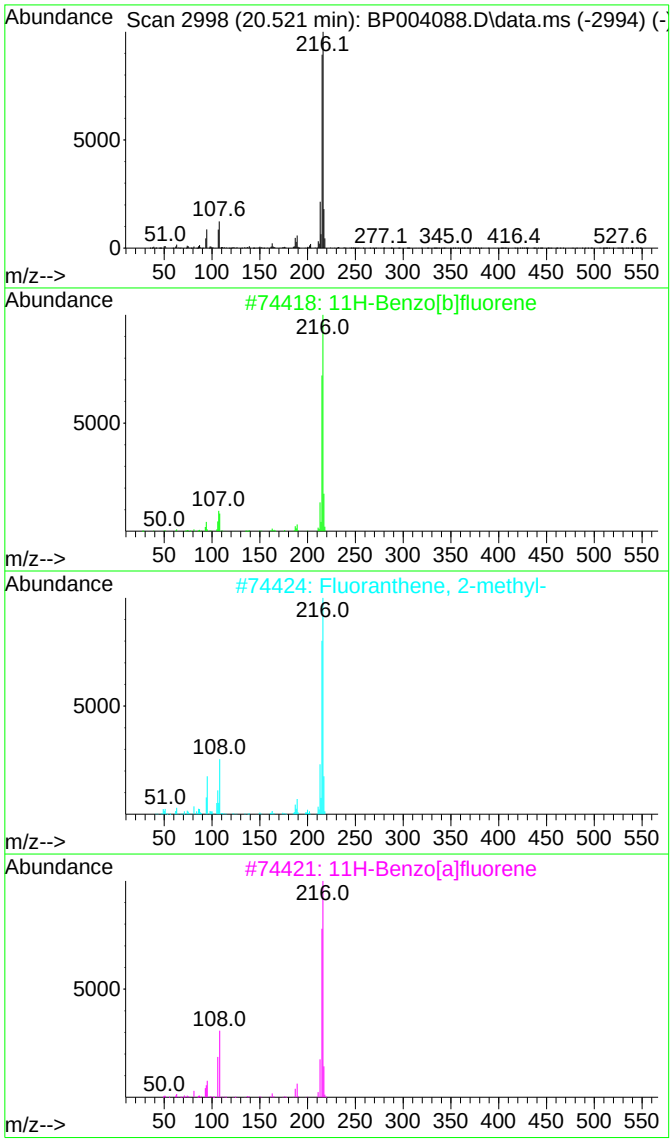
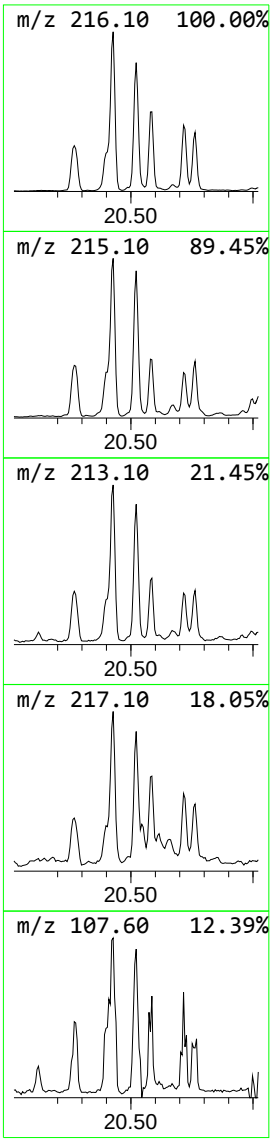
Peak Number 18 11H-Benzo[b]fluorene Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.521	4.25 ng	1079330	Chrysene-d12	21.663

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	96
2	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	95
3	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	93
4	Pyrene, 1-methyl-	216	C17H12	002381-21-7	91
5	Benzoic acid, 3-(3,5-dimethyl-1-...	216	C12H12N2O2	312531-88-7	64





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Data File : BP004088.D
Acq On : 24 Nov 2020 22:08
Operator : CG/JU
Sample : L4844-01 5X
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
OR-02-112020

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270E-BP110320.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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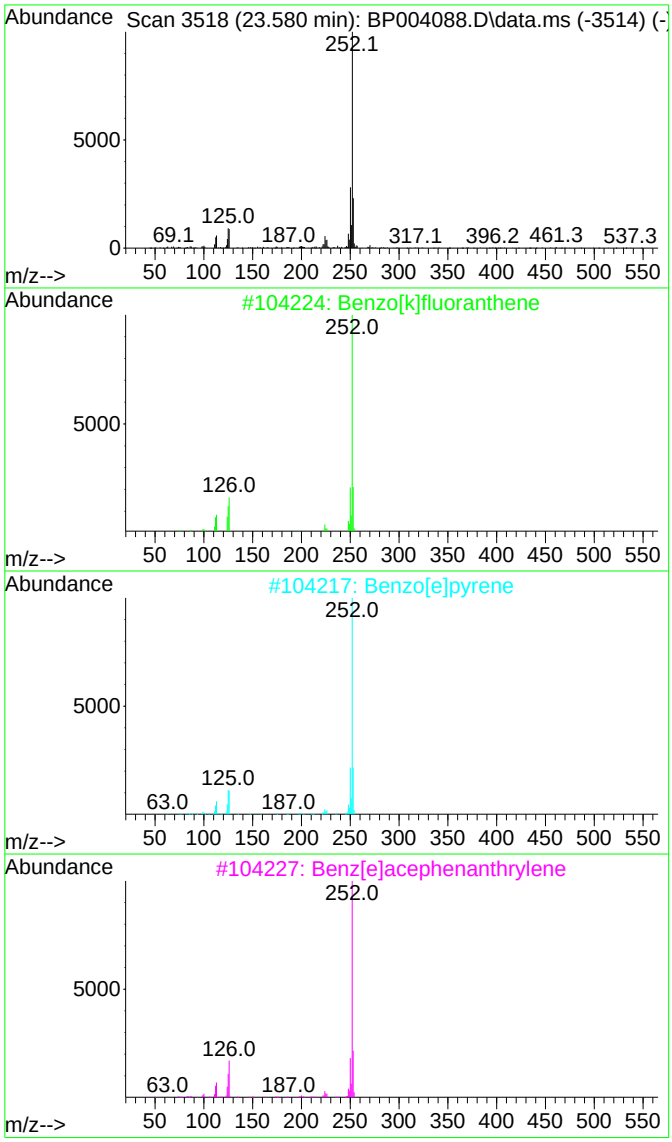
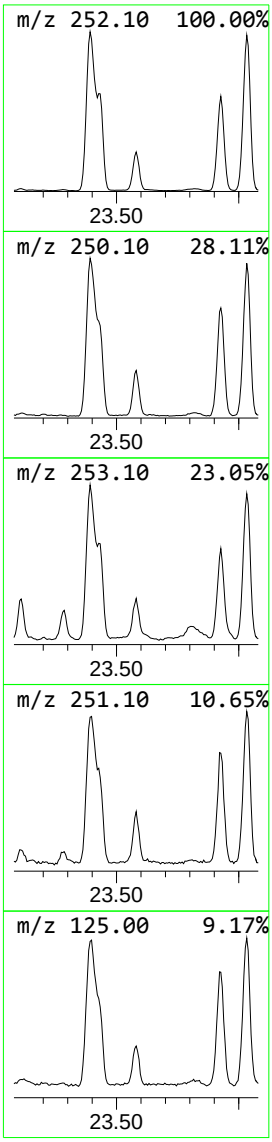
Peak Number 19 Benzo[e]pyrene Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
23.580	12.26 ng	602717	Perylene-d12	24.145

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[k]fluoranthene	252	C20H12	000207-08-9	96
2	Benzo[e]pyrene	252	C20H12	000192-97-2	94
3	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	91
4	Benzo[a]pyrene	252	C20H12	000050-32-8	91
5	Perylene	252	C20H12	000198-55-0	81





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Data File : BP004088.D
Acq On : 24 Nov 2020 22:08
Operator : CG/JU
Sample : L4844-01 5X
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
OR-02-112020

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270E-BP110320.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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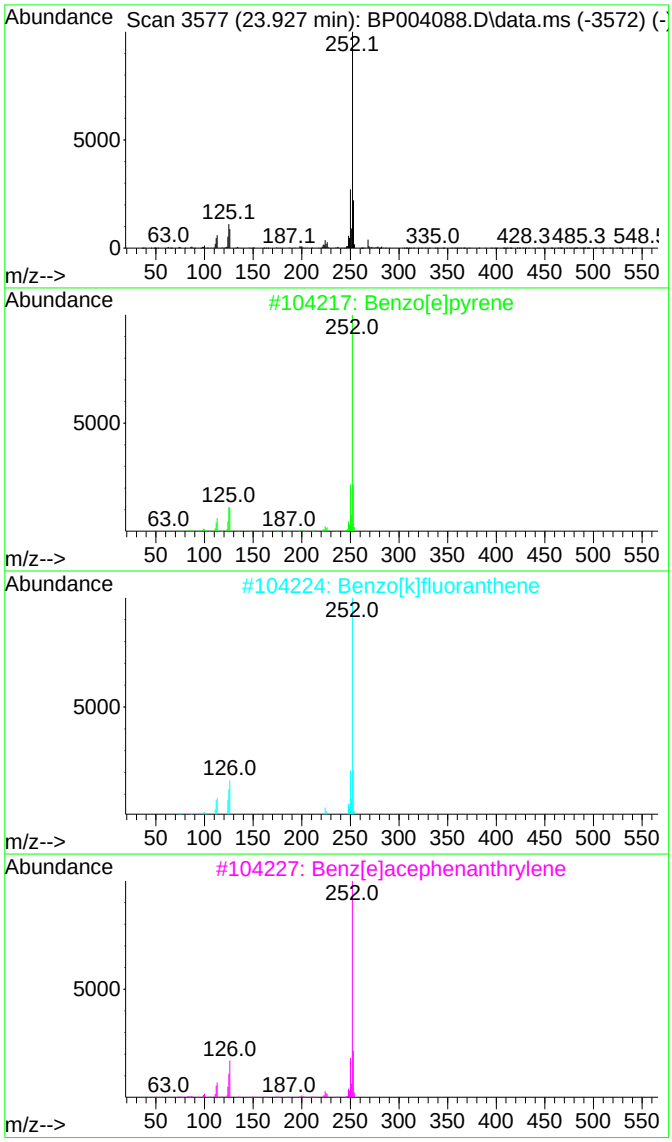
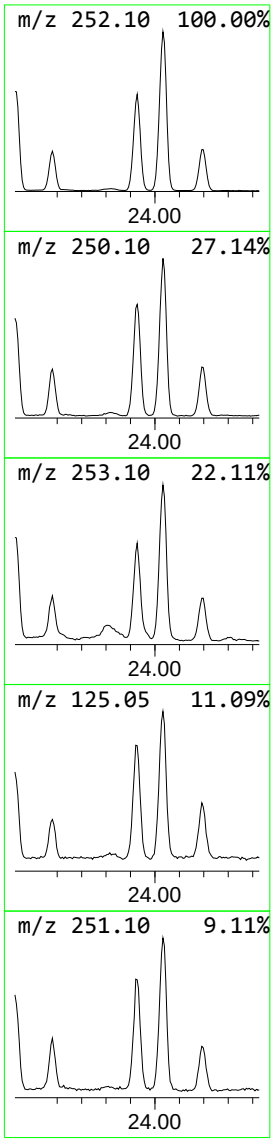
Peak Number 20 Perylene Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
23.927	35.49 ng	1744460	Perylene-d12	24.145

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	98
2	Benzo[k]fluoranthene	252	C20H12	000207-08-9	97
3	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	93
4	Perylene	252	C20H12	000198-55-0	93
5	Benzo[a]pyrene	252	C20H12	000050-32-8	93





Tentatively Identified Compound (LSC) summary

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP112420\
Data File : BP004088.D
Acq On : 24 Nov 2020 22:08
Operator : CG/JU
Sample : L4844-01 5X
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : OR-02-112020

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270E-BP110320.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
Propane, 2,2-di...	2.916	22.8	ng	851239	1	8.269	748461	20.0
Naphthalene, 1,...	14.216	2.9	ng	187102	3	14.892	1286850	20.0
9H-Fluorene, 2-...	16.933	3.7	ng	275649	4	17.628	1490630	20.0
Dibenzothiophene	17.445	4.3	ng	324457	4	17.628	1490630	20.0
Phenanthrene, 2...	18.474	8.9	ng	662108	4	17.628	1490630	20.0
Phenanthrene, 1...	18.522	12.4	ng	923552	4	17.628	1490630	20.0
1H-Cyclopropa[l...	18.598	6.3	ng	467074	4	17.628	1490630	20.0
4H-Cyclopenta[d...	18.669	24.7	ng	1838940	4	17.628	1490630	20.0
Naphthalene, 2-...	18.939	5.8	ng	435183	4	17.628	1490630	20.0
9,10-Anthracene...	18.986	3.1	ng	229870	4	17.628	1490630	20.0
Phenanthrene, 3...	19.180	3.4	ng	255163	4	17.628	1490630	20.0
di-p-Tolylacety...	19.269	2.6	ng	195072	4	17.628	1490630	20.0
Phenanthrene, 2...	19.351	10.0	ng	746849	4	17.628	1490630	20.0
9,10-Bis(bromom...	19.416	4.7	ng	352660	4	17.628	1490630	20.0
9,10-Dimethylan...	19.480	3.6	ng	265335	4	17.628	1490630	20.0
Fluoranthene, 2...	20.427	7.2	ng	1822820	5	21.663	5081820	20.0
11H-Benzo[b]flu...	20.521	4.3	ng	1079330	5	21.663	5081820	20.0
Benzo[e]pyrene	23.580	12.3	ng	602717	6	24.145	982988	20.0
Perylene	23.927	35.5	ng	1744460	6	24.145	982988	20.0