LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP092721\
Data File : BP007206.D
Acq On : 27 Sep 2021 15:33
Operator : CG/JU
Sample : M3934-07
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : TP-2

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-BP092121.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BP007206.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	5.458	396	403	410	rBV	3246499	4780921	15.57%	1.342%
2	7.058	664	675	681	rBV	2923262	4849704	15.79%	1.362%
3	7.881	806	815	823	rBV	991729	1566461	5.10%	0.440%
4	9.046	1006	1013	1022	rBV	1856405	3156377	10.28%	0.886%
5	10.463	1248	1254	1265	rBV	648792	1141674	3.72%	0.321%
6	10.681	1280	1291	1295	rBV	1367572	2393991	7.80%	0.672%
7	10.734	1295	1300	1308	rVB	3318384	5580587	18.17%	1.567%
8	12.340	1563	1573	1581	rVB	1868092	2938526	9.57%	0.825%
9	12.557	1602	1610	1620	rVB	1461988	2340111	7.62%	0.657%
10	13.140	1702	1709	1719	rVB	5329155	7775211	25.32%	2.183%
11	13.346	1739	1744	1750	rVB	424775	654788	2.13%	0.184%
12	13.546	1773	1778	1793	rVB	252594	556184	1.81%	0.156%
13	13.681	1793	1801	1802	rBV	616073	965074	3.14%	0.271%
14	13.834	1821	1827	1832	rBV	1103946	1933799	6.30%	0.543%
15	13.893	1832	1837	1842	rVB	630642	939197	3.06%	0.264%
16	14.069	1859	1867	1871	rBV	530277	877718	2.86%	0.246%
17	14.234	1888	1895	1909	rBV	1170034	1947402	6.34%	0.547%
18	14.516	1932	1943	1948	rVV2	2091070	3590668	11.69%	1.008%
19	14.575	1948	1953	1961	rVV	2445940	3870053	12.60%	1.086%
20	14.728	1972	1979	1987	rBV3	235488	593379	1.93%	0.167%
21	14.910	2000	2010	2018	rVV	1909364	3024398	9.85%	0.849%
22	14.987	2018	2023	2028	rVB	528629	752044	2.45%	0.211%
23	15.128	2040	2047	2052	rBV3	413725	844037	2.75%	0.237%
24	15.181	2052	2056	2061	rVB	375154	531928	1.73%	0.149%
25	15.304	2069	2077	2080	rBV2	328008	732046	2.38%	0.206%
26	15.563	2115	2121	2132	rVB2	3496453	5383514	17.53%	1.511%
27	15.687	2138	2142	2145	rVV2	319113	442631	1.44%	0.124%
28	15.722	2145	2148	2152	rVB4	328695	448135	1.46%	0.126%
29	15.775	2152	2157	2160	rBV2	275698	404135	1.32%	0.113%
30	15.857	2166	2171	2180	rVB	519525	896879	2.92%	0.252%
31	16.004	2187	2196	2204	rVB	4659954	7089992	23.09%	1.990%
32	16.240	2230	2236	2248	rVB3	508573	1064610	3.47%	0.299%
33	16.569	2284	2292	2296	rBV2	755205	1437880	4.68%	0.404%
34	16.616	2296	2300	2306	rVB2	521299	743390	2.42%	0.209%
35	16.716	2313	2317	2322	rVB2	459528	678319	2.21%	0.190%
36	16.922	2348	2352	2358	rVB4	274006	470733	1.53%	0.132%

LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP092721\
Data File : BP007206.D
Acq On : 27 Sep 2021 15:33
Operator : CG/JU
Sample : M3934-07
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : TP-2

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-BP092121.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

37	17.081	2374	2379	2388	rVB	1536594	2349745	7.65%	0.660%
38	17.269	2405	2411	2414	rBV	2218642	3612313	11.76%	1.014%
39	17.316	2414	2419	2425	rVV	15117770	24023051	78.22%	6.744%
40	17.404	2425	2434	2438	rVB	4681745	6776427	22.06%	1.902%
41	17.457	2438	2443	2448	rBV2	557997	976028	3.18%	0.274%
42	17.669	2468	2479	2485	rBV	2232617	3636369	11.84%	1.021%
43	17.787	2492	2499	2502	rBV2	442541	809986	2.64%	0.227%
44	17.845	2505	2509	2517	rVB2	717116	1063699	3.46%	0.299%
45	17.987	2528	2533	2541	rVB	497204	881874	2.87%	0.248%
46	18.134	2553	2558	2562	rBV	2874724	4214008	13.72%	1.183%
47	18.181	2562	2566	2572	rVB	3935730	5340832	17.39%	1.499%
48	18.257	2574	2579	2584	rBV	1314468	1889305	6.15%	0.530%
49	18.322	2584	2590	2594	rBV2	4629395	8073617	26.29%	2.267%
50	18.357	2594	2596	2602	rVB	2060841	2239851	7.29%	0.629%
51	18.434	2605	2609	2612	rBV2	324158	433480	1.41%	0.122%
52	18.516	2619	2623	2627	rVB3	326859	422807	1.38%	0.119%
53	18.616	2635	2640	2644	rVV	1807288	2373047	7.73%	0.666%
54	18.663	2644	2648	2657	rVB3	595602	1059580	3.45%	0.297%
55	18.851	2677	2680	2684	rVV	736152	911134	2.97%	0.256%
56	18.904	2685	2689	2692	rVV	914942	1130255	3.68%	0.317%
57	18.939	2692	2695	2699	rVB	818890	979846	3.19%	0.275%
58	19.022	2703	2709	2714	rBV	2004073	3498140	11.39%	0.982%
59	19.081	2714	2719	2722	rVV3	1021885	1981583	6.45%	0.556%
60	19.110	2722	2724	2728	rVB	670411	689522	2.25%	0.194%
61	19.157	2728	2732	2740	rBV2	809247	1960940	6.38%	0.551%
62	19.286	2747	2754	2759	rBV	18335674	27745456	90.34%	7.789%
63	19.339	2759	2763	2766	rVV	511314	696885	2.27%	0.196%
64	19.375	2766	2769	2773	rVB	701624	861972	2.81%	0.242%
65	19.422	2773	2777	2780	rBV	454388	574010	1.87%	0.161%
66	19.516	2788	2793	2796	rBV	909783	1304531	4.25%	0.366%
67	19.639	2803	2814	2820	rBV2	17054446	30711813	100.00%	8.622%
68	19.698	2820	2824	2830	rVB2	1203001	1842797	6.00%	0.517%
69	19.822	2837	2845	2849	rBV2	6997491	9615402	31.31%	2.699%
70	19.863	2849	2852	2857	rVB2	846709	1171016	3.81%	0.329%
71	19.939	2860	2865	2872	rBV3	1327027	3381541	11.01%	0.949%
72	20.075	2883	2888	2890	rBV5	958944	1700270	5.54%	0.477%
73	20.110	2890	2894	2899	rVB	3381852	4933401	16.06%	1.385%
74	20.210	2906	2911	2915	rBV	2935683	3599546	11.72%	1.011%
75	20.263	2915	2920	2924	rVV2	2039931	3173465	10.33%	0.891%
76	20.304	2924	2927	2930	rVB2	535203	622299	2.03%	0.175%

LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP092721\
Data File : BP007206.D
Acq On : 27 Sep 2021 15:33
Operator : CG/JU
Sample : M3934-07
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : TP-2

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-BP092121.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

77	20.404	2940	2944	2947	rBV	1355471	1806058	5.88%	0.507%
78	20.445	2947	2951	2955	rVB	1451227	1762939	5.74%	0.495%
79	20.686	2989	2992	2995	rBV3	399823	512912	1.67%	0.144%
80	20.804	3008	3012	3015	rBV	487584	821424	2.67%	0.231%
81	20.839	3015	3018	3025	rVB	862553	1439635	4.69%	0.404%
82	21.004	3043	3046	3049	rBV	1161258	1308581	4.26%	0.367%
83	21.039	3049	3052	3056	rVV	1270248	1554095	5.06%	0.436%
84	21.081	3056	3059	3064	rVB2	1386335	1834481	5.97%	0.515%
85	21.339	3098	3103	3109	rBV3	9076402	16327724	53.16%	4.584%
86	21.392	3109	3112	3121	rVB	8052568	10474435	34.11%	2.941%
87	21.516	3129	3133	3138	rVB	1657198	2201551	7.17%	0.618%
88	21.675	3156	3160	3165	rBV3	993150	1592352	5.18%	0.447%
89	21.928	3197	3203	3207	rBV	1492163	2448954	7.97%	0.688%
90	21.980	3210	3212	3218	rVB	901157	1108161	3.61%	0.311%
91	22.139	3236	3239	3242	rBV	752447	966180	3.15%	0.271%
92	22.239	3252	3256	3267	rVB3	743537	1362985	4.44%	0.383%
93	23.039	3384	3392	3397	rBV	5087366	14085186	45.86%	3.954%
94	23.216	3417	3422	3428	rVB	1220750	2134826	6.95%	0.599%
95	23.557	3474	3480	3490	rVB	3620049	7472419	24.33%	2.098%
96	23.669	3491	3499	3506	rVV	5606461	11396465	37.11%	3.199%
97	23.769	3511	3516	3520	rVV2	1381522	3009664	9.80%	0.845%
98	23.822	3521	3525	3534	rVB2	1769528	3563592	11.60%	1.000%
99	26.292	3937	3945	3958	rVB2	2752797	8759109	28.52%	2.459%
100	27.086	4070	4080	4099	rVB	2156547	7599290	24.74%	2.133%

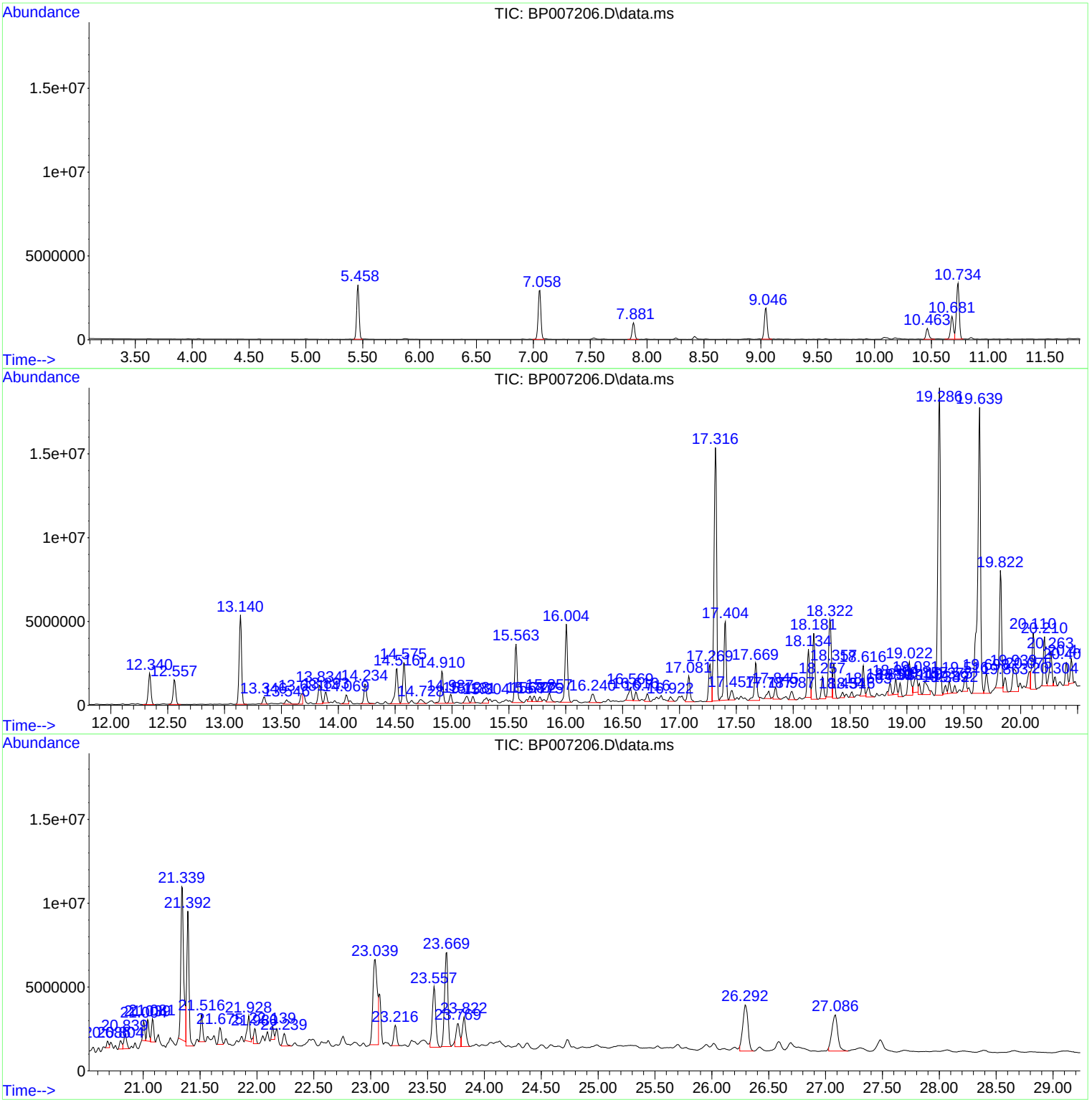
Sum of corrected areas: 356201357

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP092721\
Data File : BP007206.D
Acq On : 27 Sep 2021 15:33
Operator : CG/JU
Sample : M3934-07
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
TP-2

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP092121.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\BP092721\
Data File : BP007206.D
Acq On : 27 Sep 2021 15:33
Operator : CG/JU
Sample : M3934-07
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : TP-2

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP092121.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

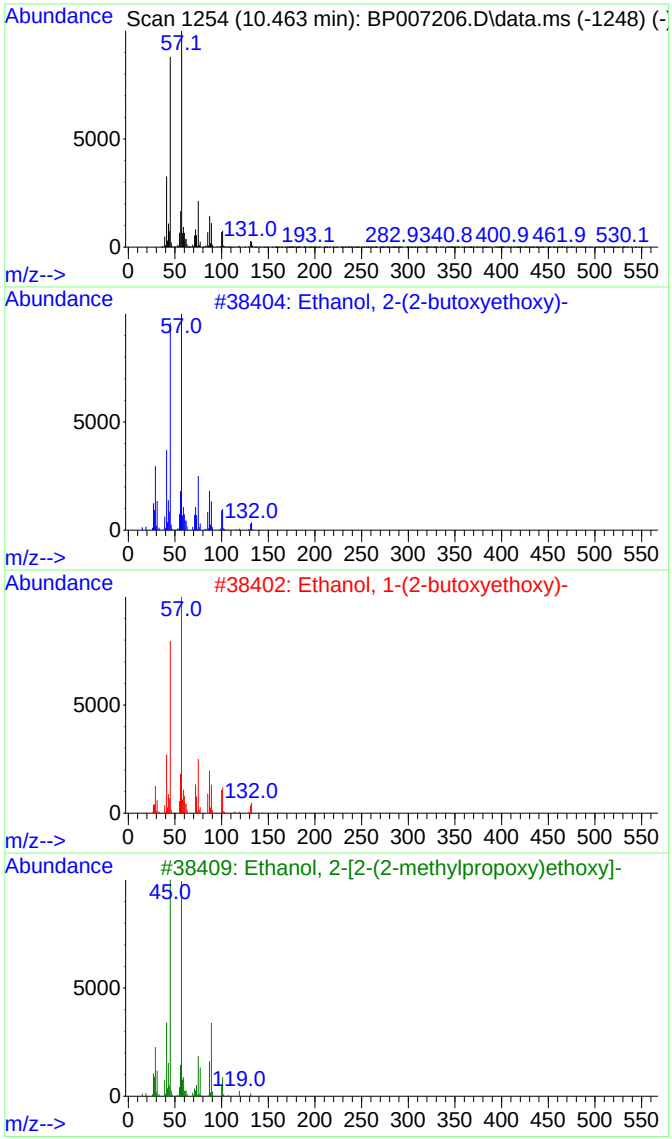
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

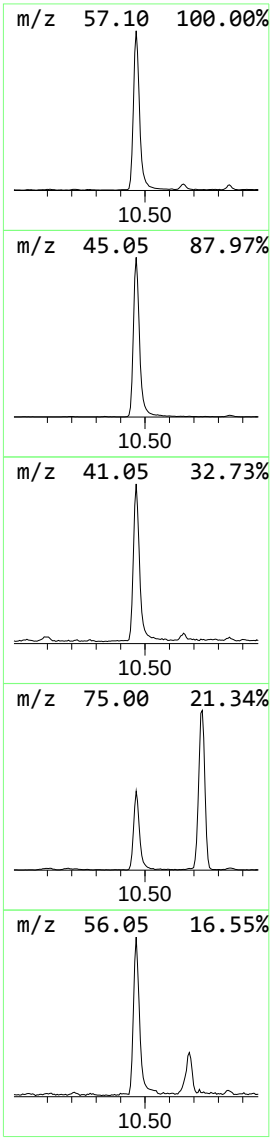
****

Peak Number 1 Ethanol, 2-(2-butoxyethoxy)- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.463	9.54 ng	1141670	Naphthalene-d8	10.681

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Ethanol, 2-(2-butoxyethoxy)-	162	C8H18O3	000112-34-5	91
2	Ethanol, 1-(2-butoxyethoxy)-	162	C8H18O3	054446-78-5	83
3	Ethanol, 2-[2-(2-methylpropoxy)e...	162	C8H18O3	018912-80-6	78
4	Ethylene glycol monoisobutyl ether	118	C6H14O2	004439-24-1	64
5	Ethanol, 2-[2-(2-butoxyethoxy)et...	206	C10H22O4	000143-22-6	59





Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP092721\
Data File : BP007206.D
Acq On : 27 Sep 2021 15:33
Operator : CG/JU
Sample : M3934-07
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : TP-2

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP092121.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

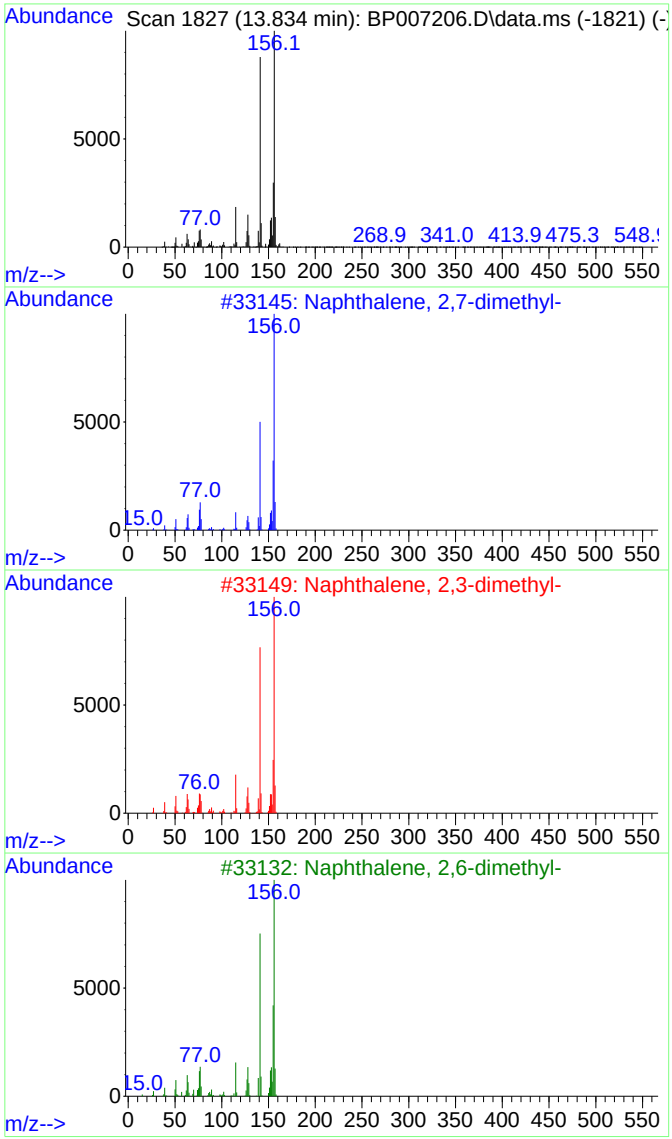
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

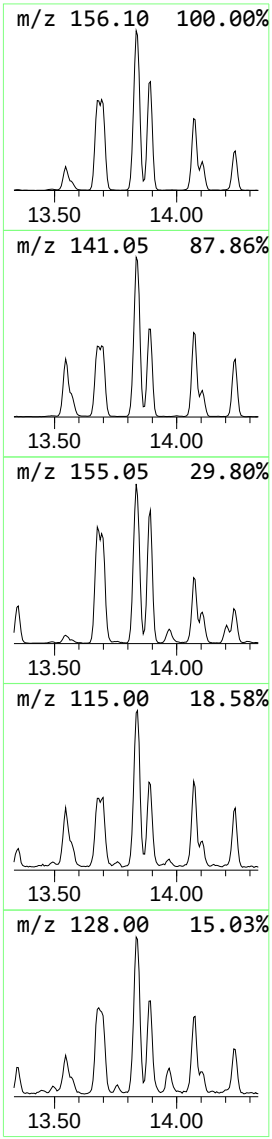
****

Peak Number 2 Naphthalene, 2,7-dimethyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.834	10.77 ng	1933800	Acenaphthene-d10	14.516

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	97
2	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	97
3	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	97
4	Naphthalene, 1,4-dimethyl-	156	C12H12	000571-58-4	97
5	Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	97





Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP092721\
Data File : BP007206.D
Acq On : 27 Sep 2021 15:33
Operator : CG/JU
Sample : M3934-07
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : TP-2

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP092121.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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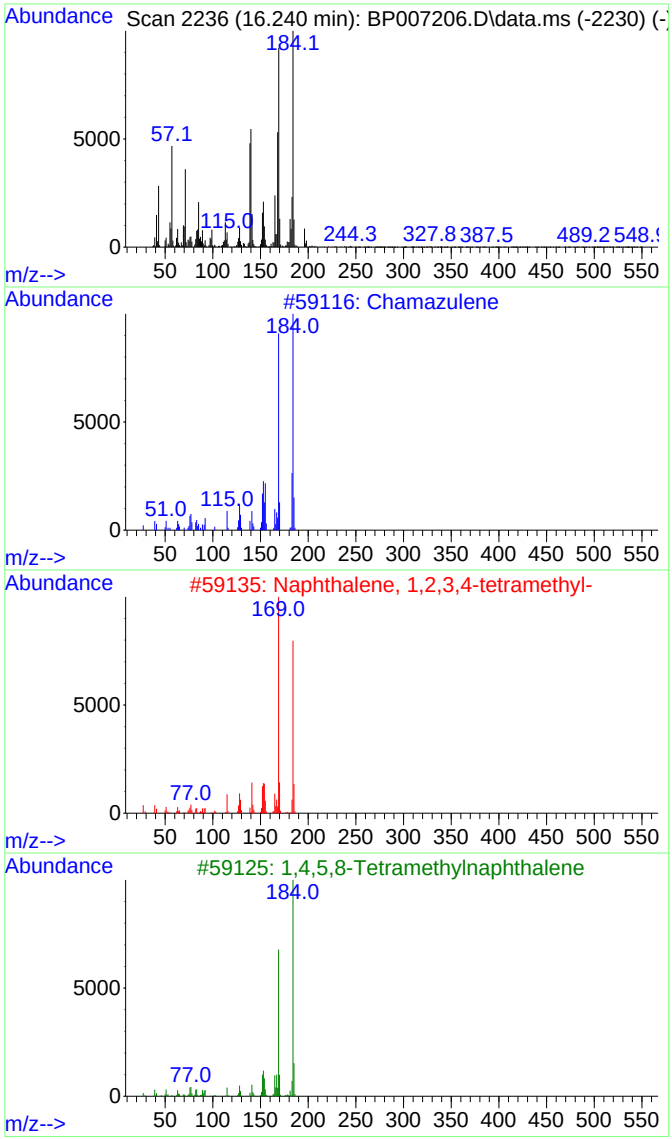
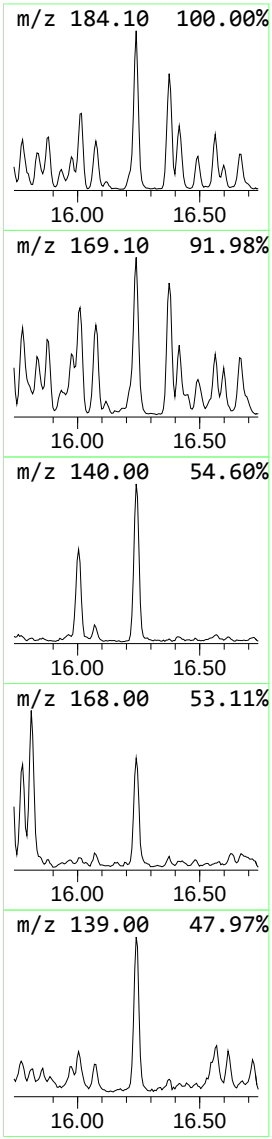
Peak Number 3 Chamazulene Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.240	5.89 ng	1064610	Phenanthrene-d10	17.269

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Chamazulene	184	C14H16	000529-05-5	90
2	Naphthalene, 1,2,3,4-tetramethyl-	184	C14H16	003031-15-0	64
3	1,4,5,8-Tetramethylnaphthalene	184	C14H16	002717-39-7	55
4	1,6-Dimethyl- 3-ethylnaphthalene	184	C14H16	1000383-71-8	46
5	2-Isopropyl-7-methylnaphthalene	184	C14H16	1000383-71-3	45





Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP092721\
Data File : BP007206.D
Acq On : 27 Sep 2021 15:33
Operator : CG/JU
Sample : M3934-07
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : TP-2

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP092121.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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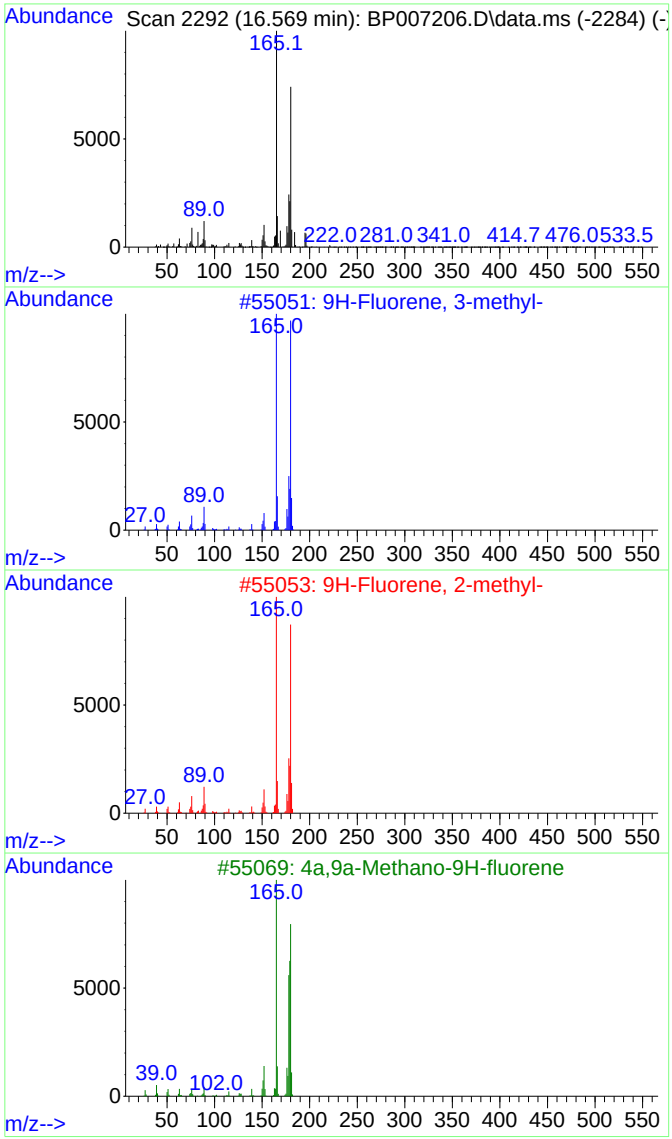
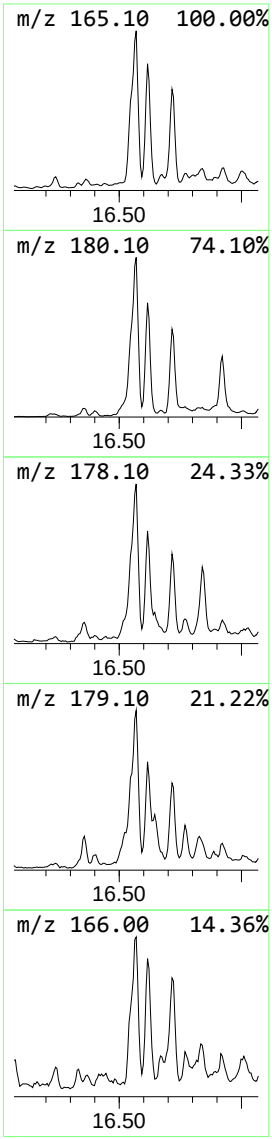
Peak Number 4 9H-Fluorene, 3-methyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.569	7.96 ng	1437880	Phenanthrene-d10	17.269

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluorene, 3-methyl-	180	C14H12	002523-39-9	93
2	9H-Fluorene, 2-methyl-	180	C14H12	001430-97-3	93
3	4a,9a-Methano-9H-fluorene	180	C14H12	019540-84-2	86
4	9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	74
5	9H-Fluorene, 9-methyl-	180	C14H12	002523-37-7	72





Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP092721\
Data File : BP007206.D
Acq On : 27 Sep 2021 15:33
Operator : CG/JU
Sample : M3934-07
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : TP-2

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP092121.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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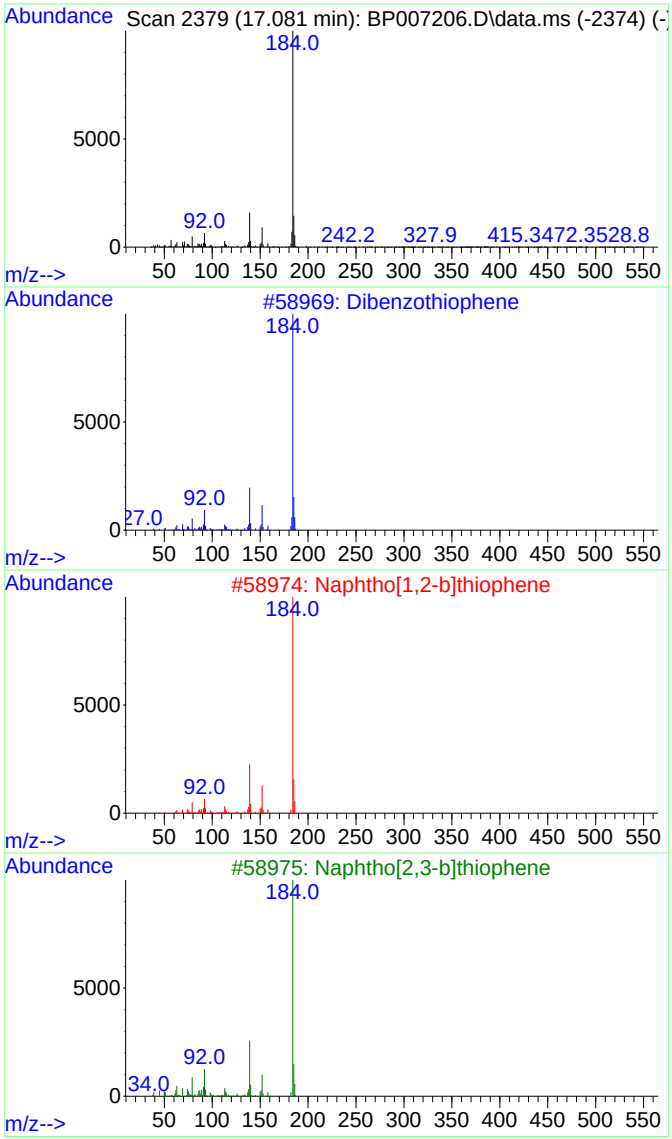
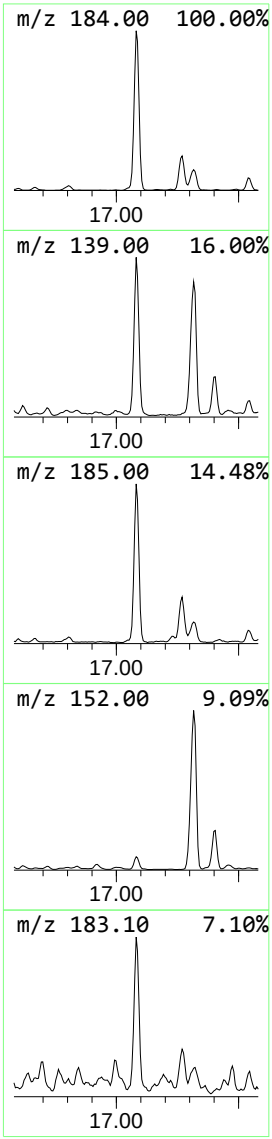
Peak Number 5 Dibenzothiophene Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.081	13.01 ng	2349750	Phenanthrene-d10	17.269

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzothiophene	184	C12H8S	000132-65-0	97
2	Naphtho[1,2-b]thiophene	184	C12H8S	000234-41-3	95
3	Naphtho[2,3-b]thiophene	184	C12H8S	000268-77-9	95
4	Naphtho[2,1-b]thiophene	184	C12H8S	000233-02-3	95
5	Azuleno(2,1-b)thiophene	184	C12H8S	000248-13-5	90





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Acq On : 27 Sep 2021 15:33
Operator : CG/JU
Sample : M3934-07
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : TP-2

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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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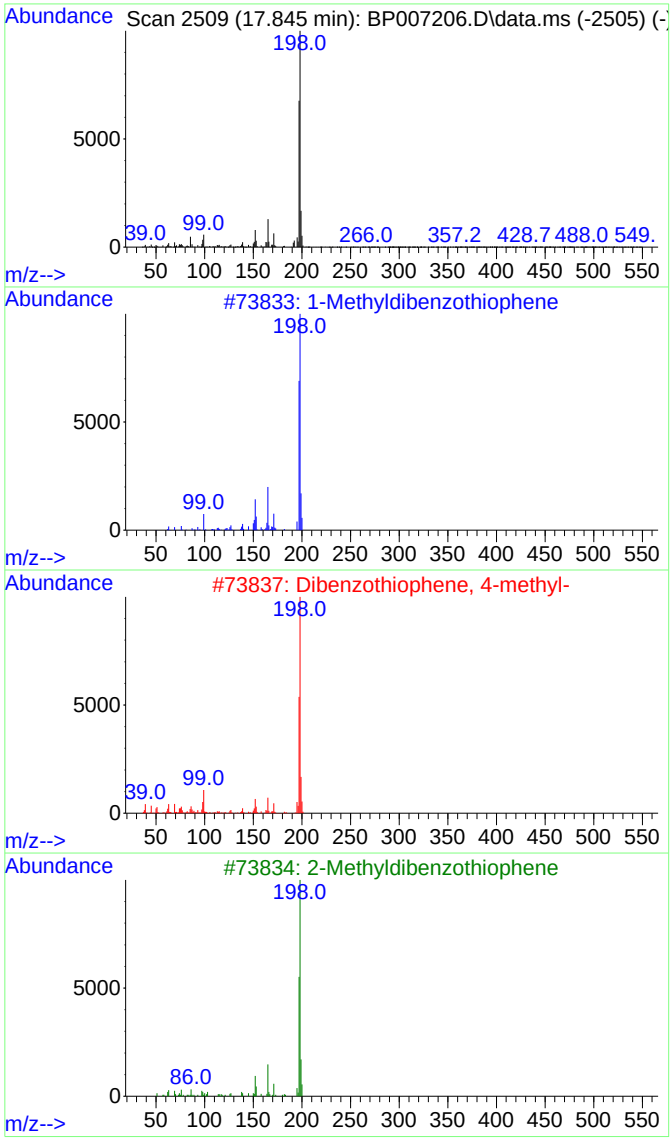
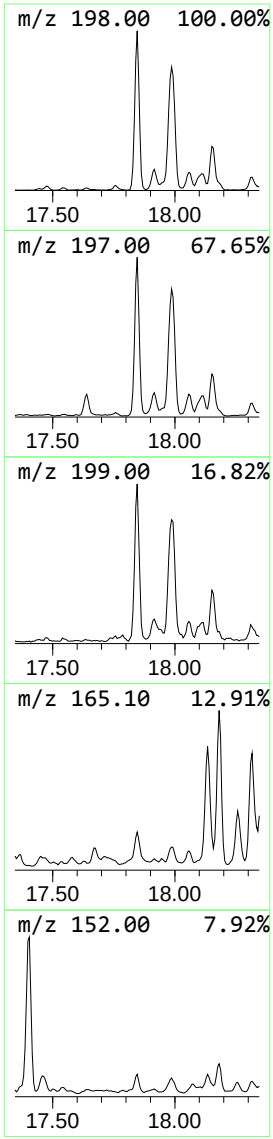
Peak Number 6 1-Methyldibenzothiophene Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.845	5.89 ng	1063700	Phenanthrene-d10	17.269

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Methyldibenzothiophene	198	C13H10S	031317-07-4	97
2	Dibenzothiophene, 4-methyl-	198	C13H10S	007372-88-5	94
3	2-Methyldibenzothiophene	198	C13H10S	1000383-55-1	91
4	Dibenzothiophene, 3-methyl-	198	C13H10S	016587-52-3	90
5	Benzenamine, 4,4'-methylenebis-	198	C13H14N2	000101-77-9	80





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Operator : CG/JU
Sample : M3934-07
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : TP-2

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP092121.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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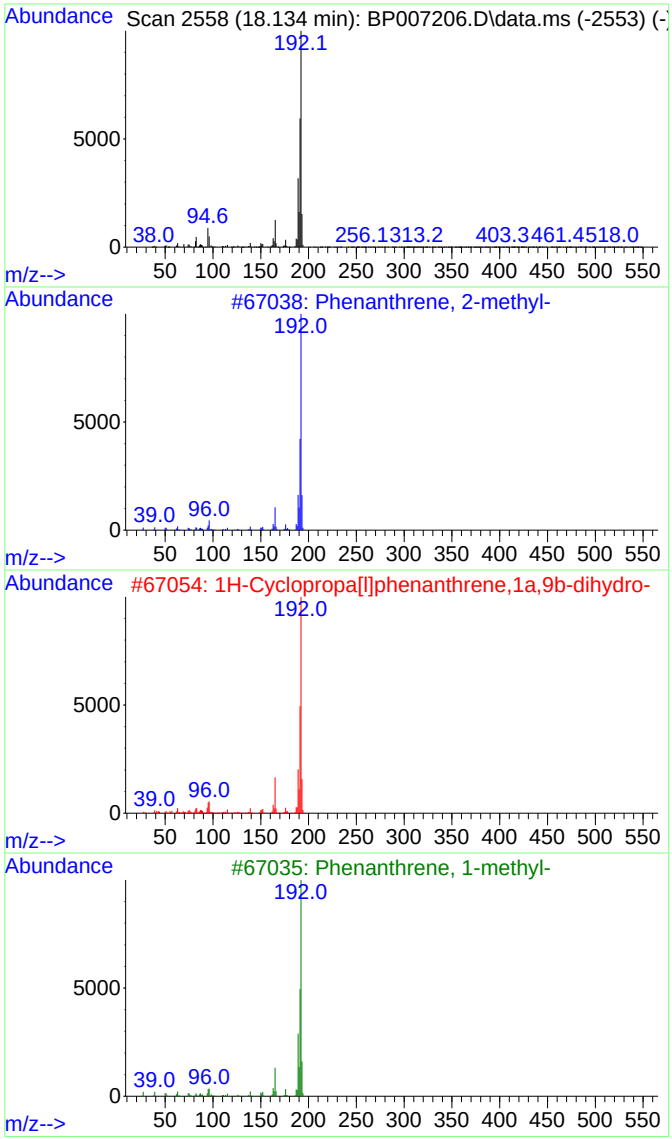
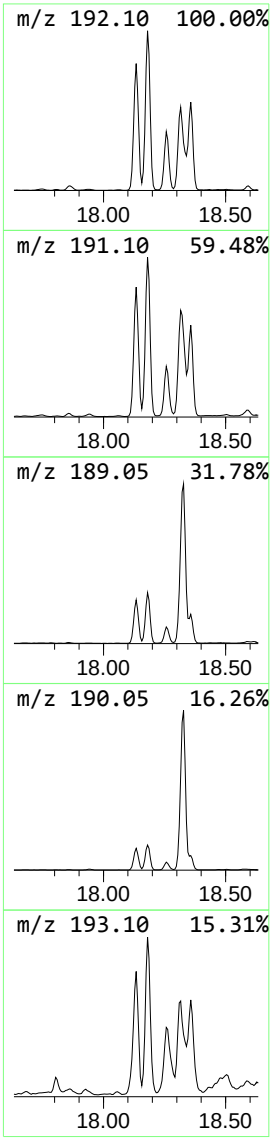
Peak Number 7 1H-Cyclopropa[l]phenanthren... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.134	23.33 ng	4214010	Phenanthrene-d10	17.269

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
2	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	95
3	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	95
4	Anthracene, 1-methyl-	192	C15H12	000610-48-0	94
5	Anthracene, 2-methyl-	192	C15H12	000613-12-7	93





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Operator : CG/JU
Sample : M3934-07
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : TP-2

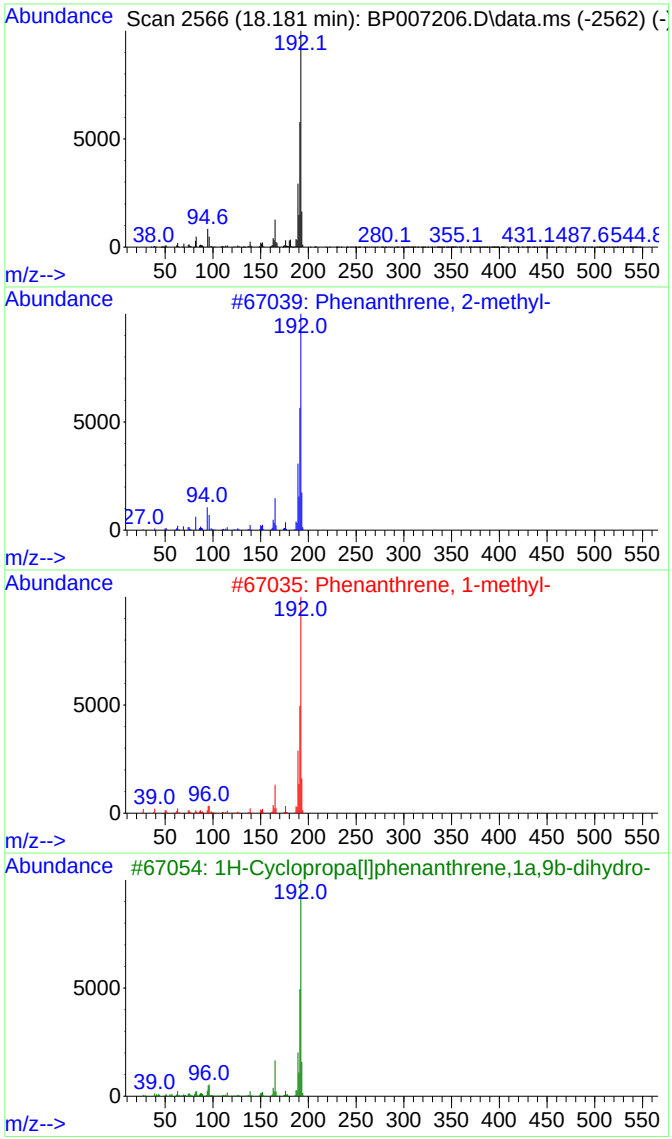
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP092121.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

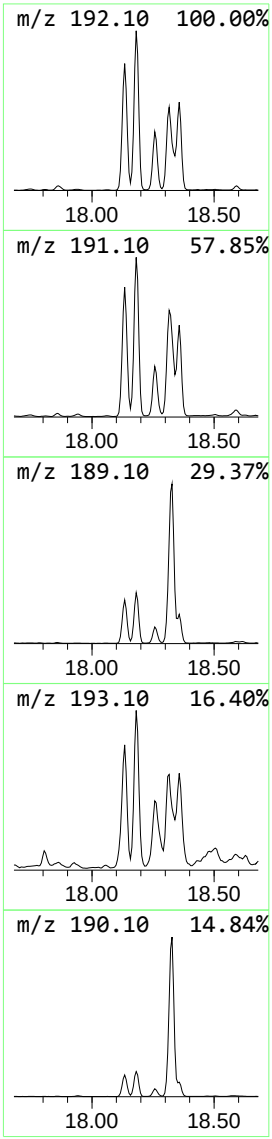
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 8 Phenanthrene, 2-methyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.181	29.57 ng	5340830	Phenanthrene-d10	17.269

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	95
4	Anthracene, 2-methyl-	192	C15H12	000613-12-7	93
5	Anthracene, 1-methyl-	192	C15H12	000610-48-0	93





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Operator : CG/JU
Sample : M3934-07
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : TP-2

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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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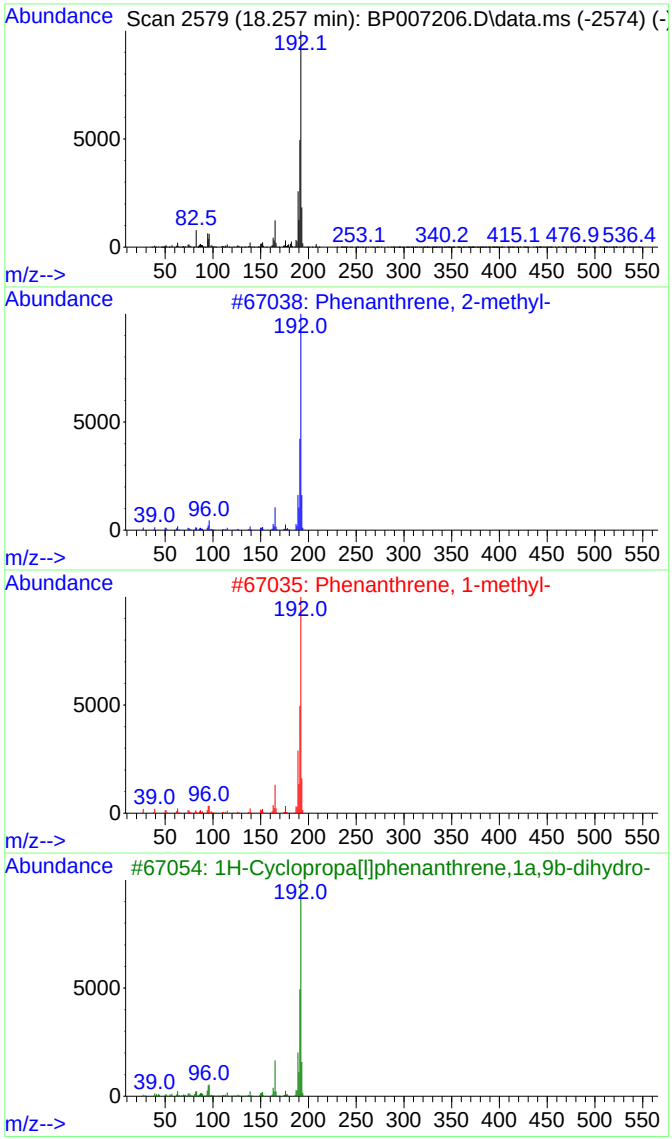
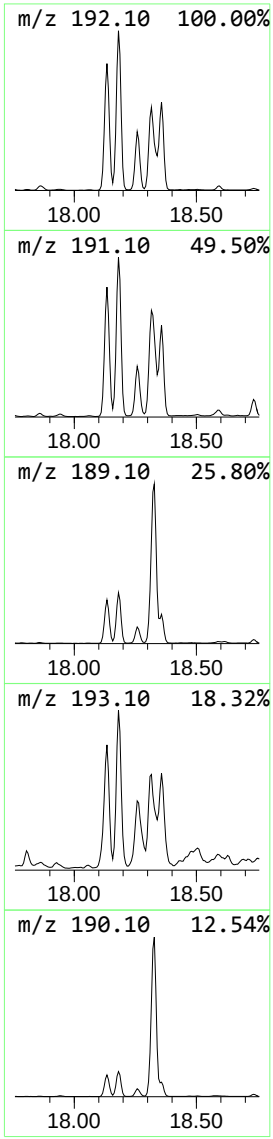
Peak Number 9 Phenanthrene, 1-methyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.257	10.46 ng	1889310	Phenanthrene-d10	17.269

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	97
3	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	96
4	Anthracene, 2-methyl-	192	C15H12	000613-12-7	95
5	Anthracene, 9-methyl-	192	C15H12	000779-02-2	95





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Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : TP-2

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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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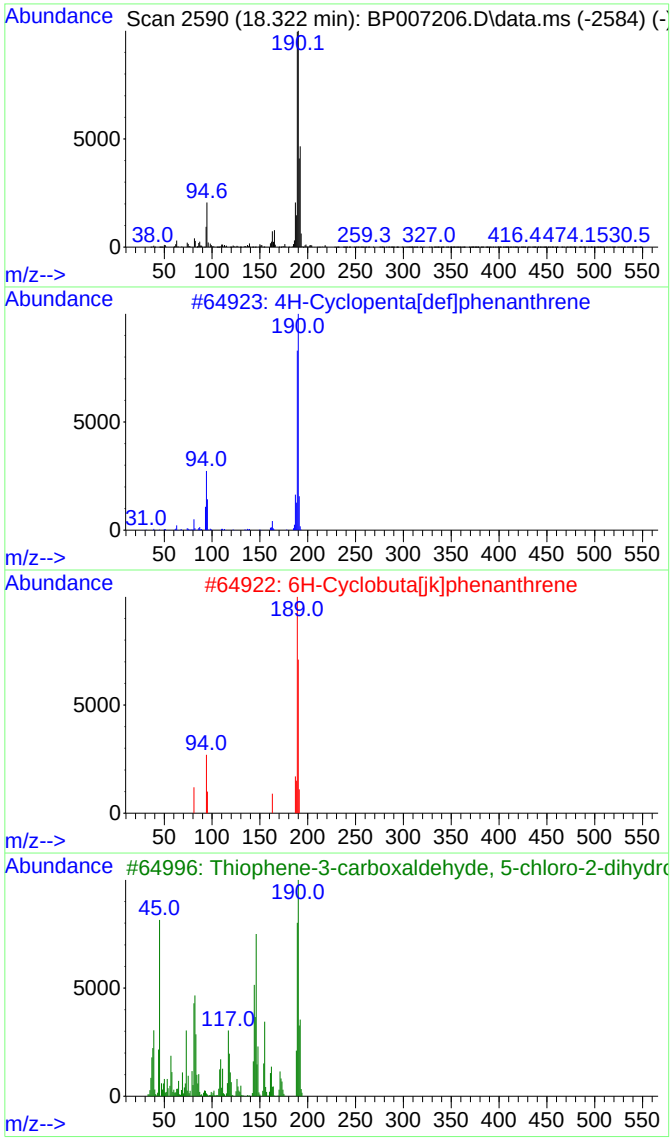
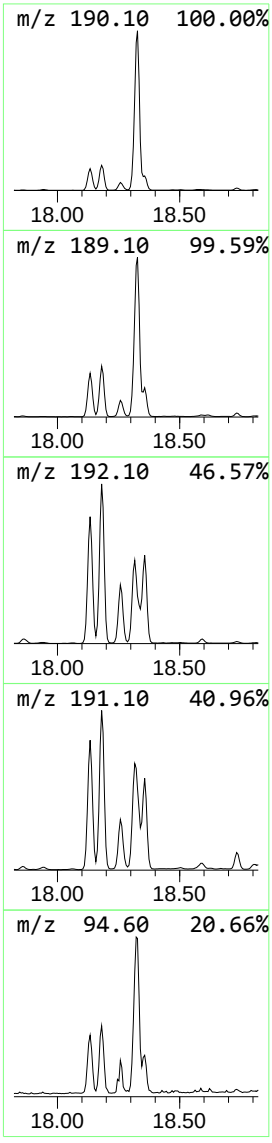
Peak Number 10 4H-Cyclopenta[def]phenanthrene Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.322	44.70 ng	8073620	Phenanthrene-d10	17.269

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	53
3	Thiophene-3-carboxaldehyde, 5-ch...	190	C5H4BClO3S	036155-87-0	53
4	2,2'-Bis(4,5-dimethylimidazole)	190	C10H14N4	069286-06-2	40
5	4,6-Dichloro-2-ethylpyrimidin-5-...	191	C6H7Cl2N3	006237-96-3	38





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Sample : M3934-07
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : TP-2

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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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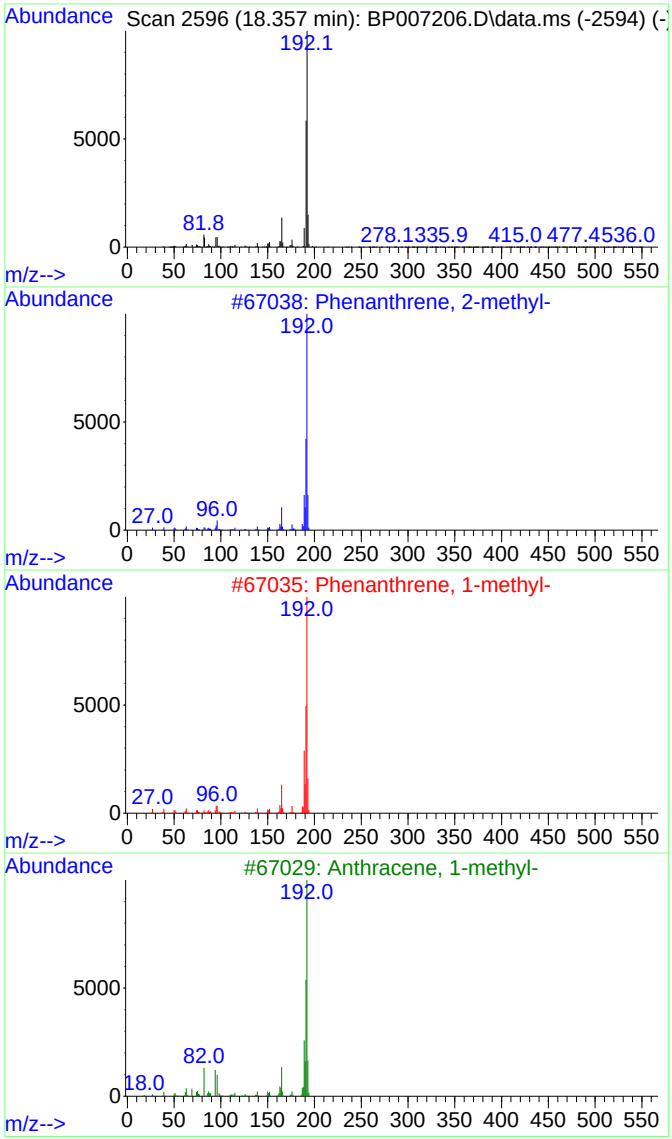
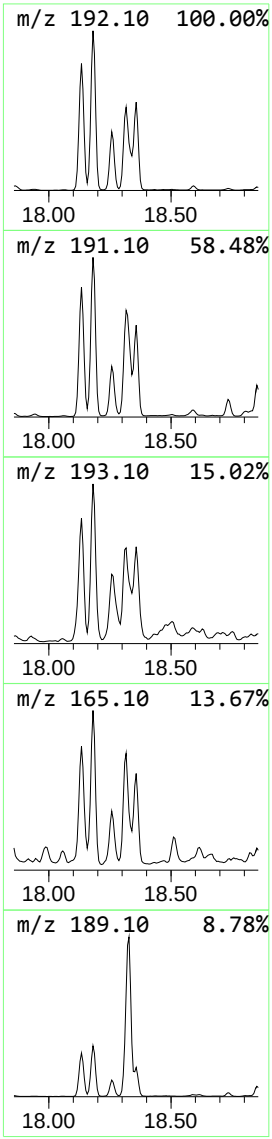
Peak Number 11 Anthracene, 1-methyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.357	12.40 ng	2239850	Phenanthrene-d10	17.269

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	91
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	91
3	Anthracene, 1-methyl-	192	C15H12	000610-48-0	90
4	Anthracene, 9-methyl-	192	C15H12	000779-02-2	87
5	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	87





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Operator : CG/JU
Sample : M3934-07
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : TP-2

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP092121.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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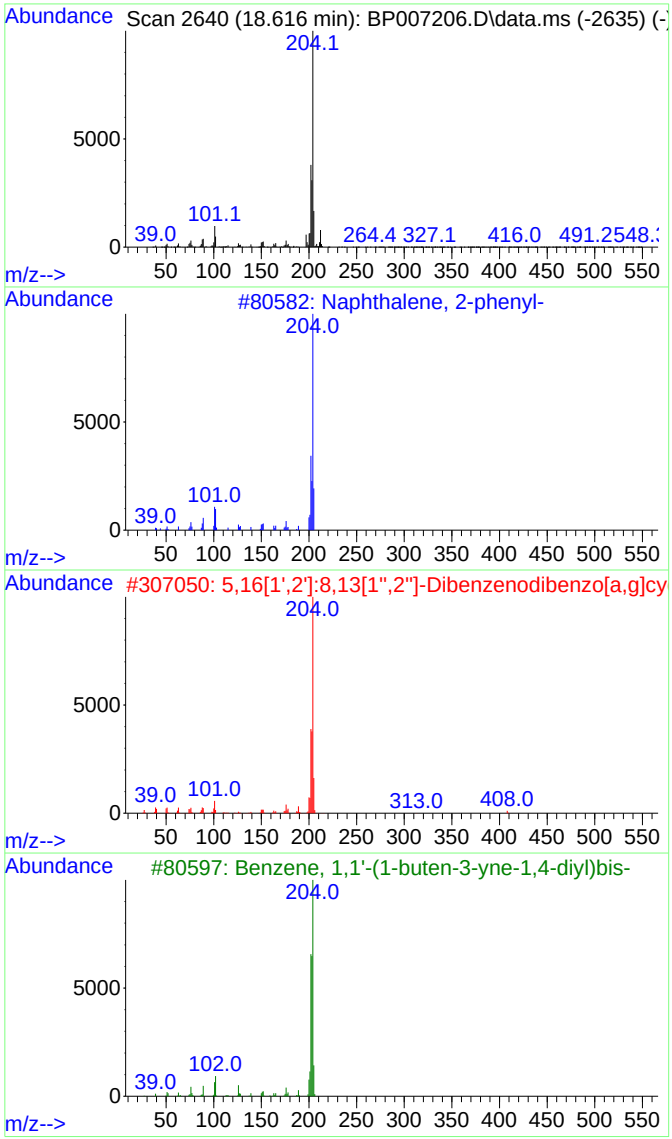
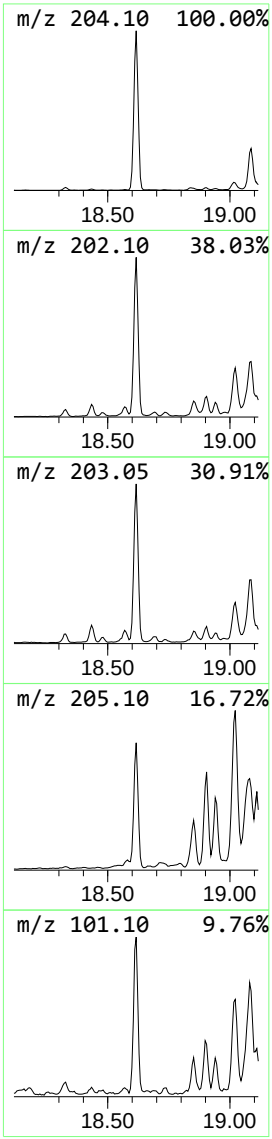
Peak Number 12 Naphthalene, 2-phenyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.616	13.14 ng	2373050	Phenanthrene-d10	17.269

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	95
2	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	87
3	Benzene, 1,1'-(1-buten-3-yne-1,4...	204	C16H12	013141-45-2	52
4	9,10-Bis(bromomethyl)anthracene	362	C16H12Br2	034373-96-1	52
5	9-Acridinecarbonitrile	204	C14H8N2	005326-19-2	50





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Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : TP-2

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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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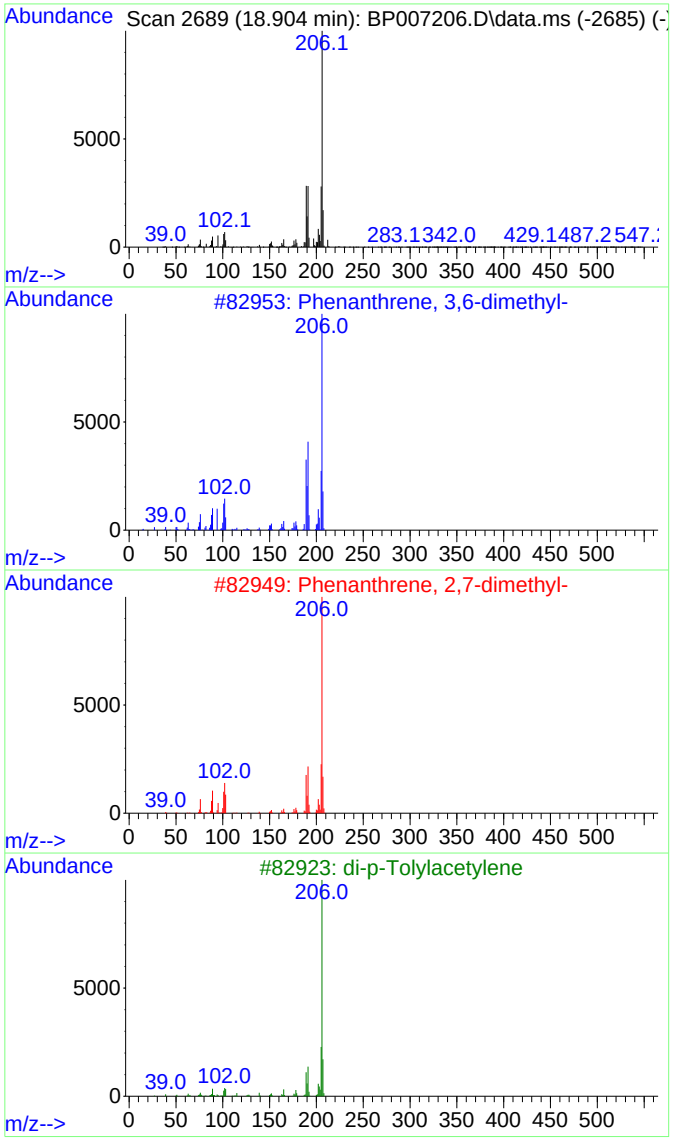
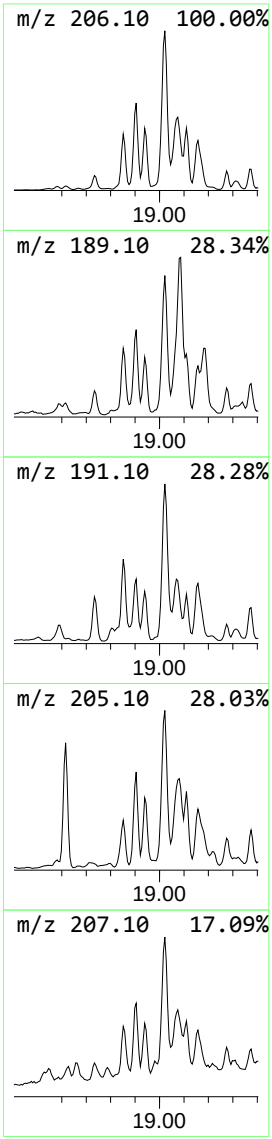
Peak Number 13 Phenanthrene, 3,6-dimethyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.904	6.26 ng	1130260	Phenanthrene-d10	17.269

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	96
2	Phenanthrene, 2,7-dimethyl-	206	C16H14	001576-69-8	91
3	di-p-Tolylacetylene	206	C16H14	002789-88-0	91
4	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	76
5	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	74





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Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : TP-2

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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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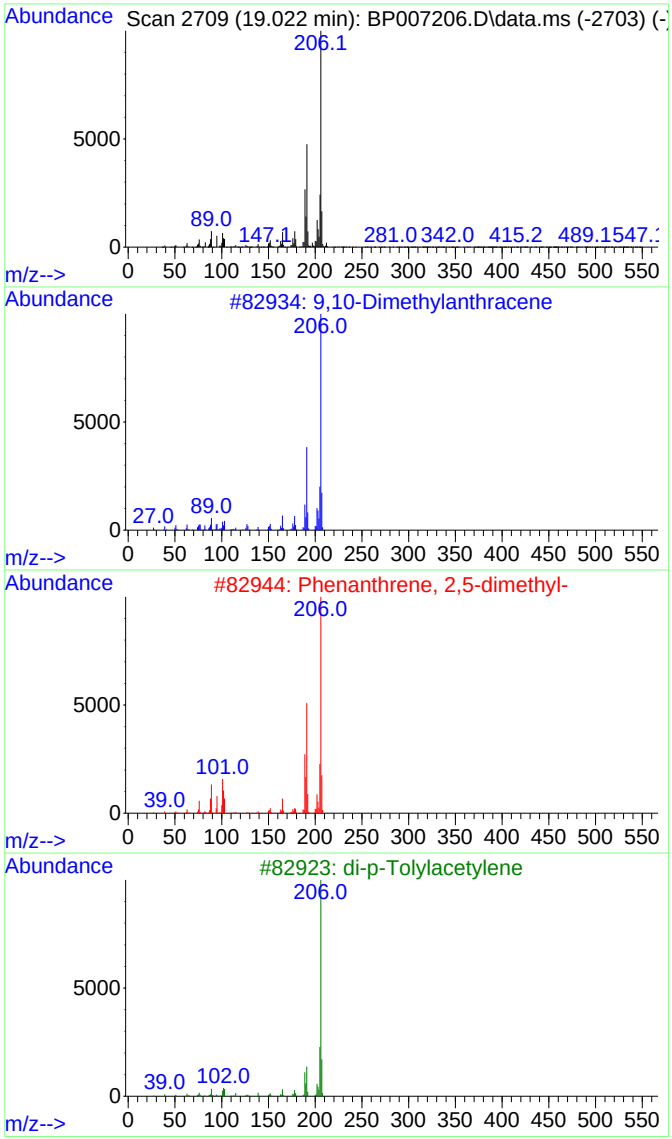
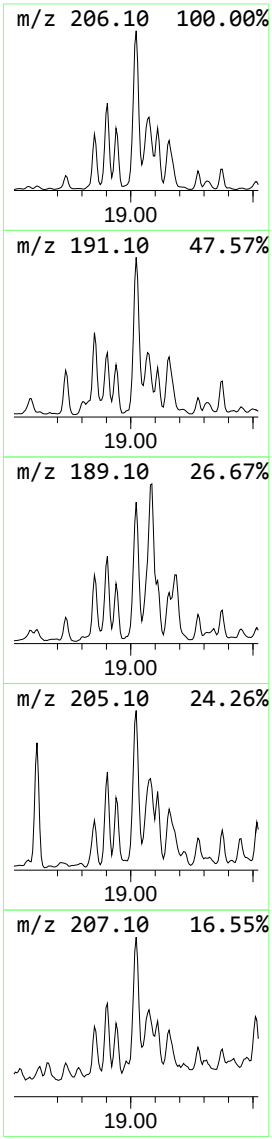
Peak Number 14 9,10-Dimethylanthracene Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.022	19.37 ng	3498140	Phenanthrene-d10	17.269

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Dimethylanthracene	206	C16H14	000781-43-1	96
2	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	96
3	di-p-Tolylacetylene	206	C16H14	002789-88-0	91
4	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	87
5	Anthracene, 1,4-dimethyl-	206	C16H14	000781-92-0	86





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Operator : CG/JU
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Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : TP-2

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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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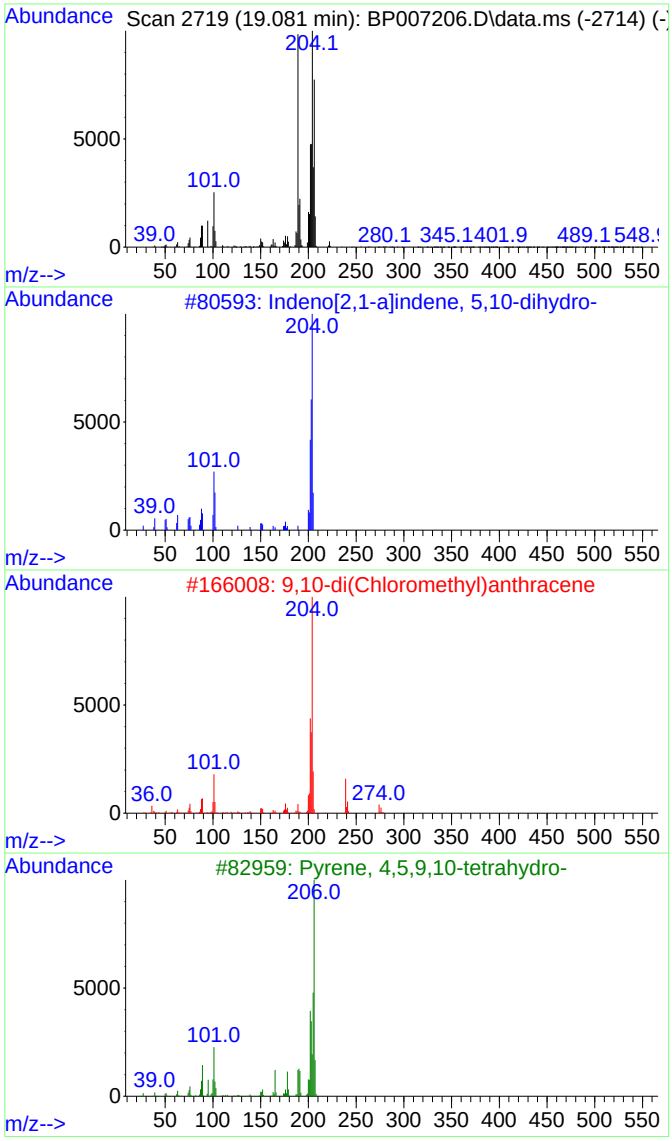
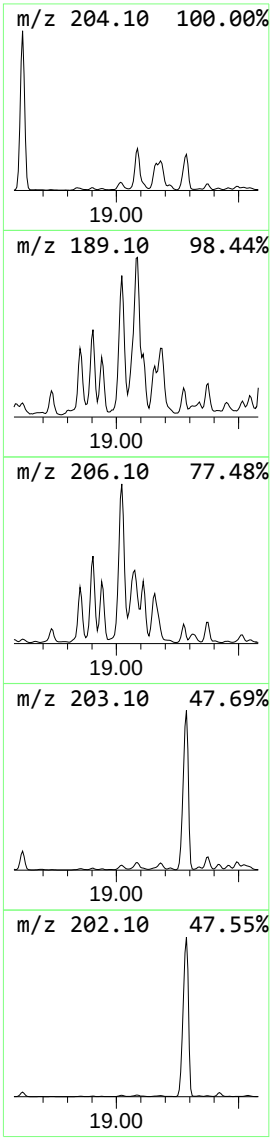
Peak Number 15 Indeno[2,1-a]indene, 5,10-d... Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.081	10.97 ng	1981580	Phenanthrene-d10	17.269

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Indeno[2,1-a]indene, 5,10-dihydro-	204	C16H12	006543-29-9	51
2	9,10-di(Chloromethyl)anthracene	274	C16H12Cl2	010387-13-0	43
3	Pyrene, 4,5,9,10-tetrahydro-	206	C16H14	000781-17-9	42
4	1H-Indol-6-ylamine, TMS derivative	204	C11H16N2Si	1000484-86-1	38
5	9,10-Bis(bromomethyl)anthracene	362	C16H12Br2	034373-96-1	38





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Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : TP-2

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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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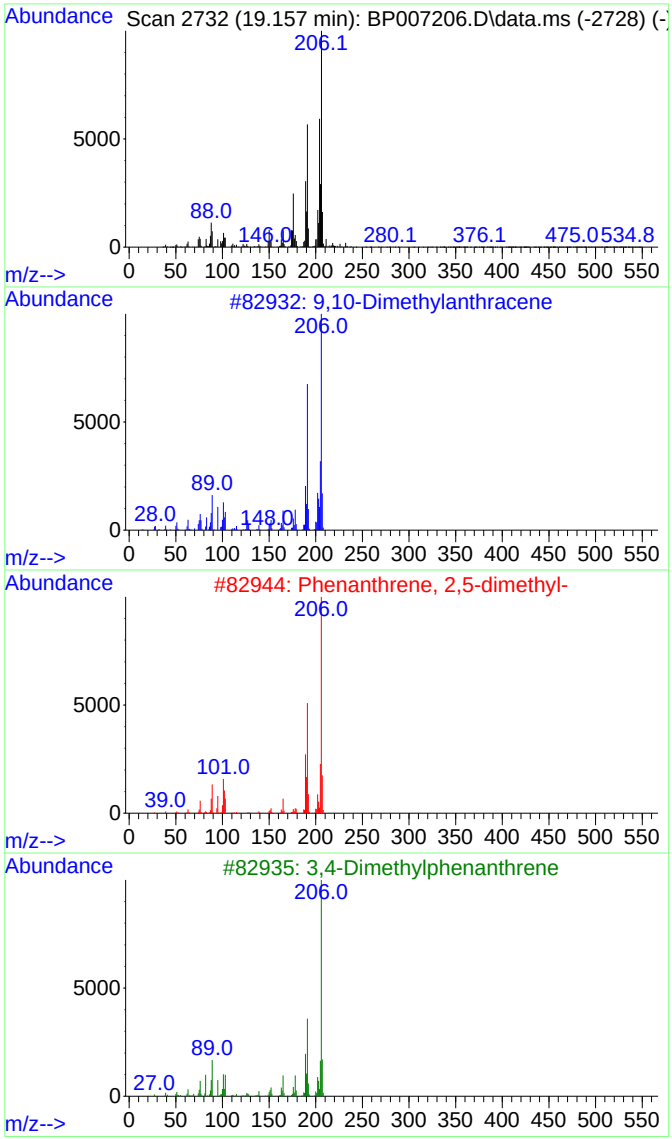
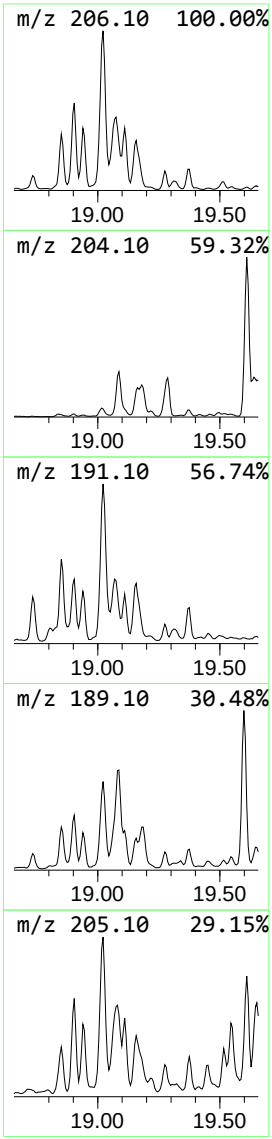
Peak Number 16 Phenanthrene, 2,5-dimethyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.157	10.86 ng	1960940	Phenanthrene-d10	17.269

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	83
3	3,4-Dimethylphenanthrene	206	C16H14	1000452-24-5	70
4	Naphthalene, 1,2-dihydro-4-phenyl-	206	C16H14	007469-40-1	64
5	1,3-Diphenyl-3-methylcyclopropene	206	C16H14	086544-79-8	64





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Operator : CG/JU
Sample : M3934-07
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : TP-2

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP092121.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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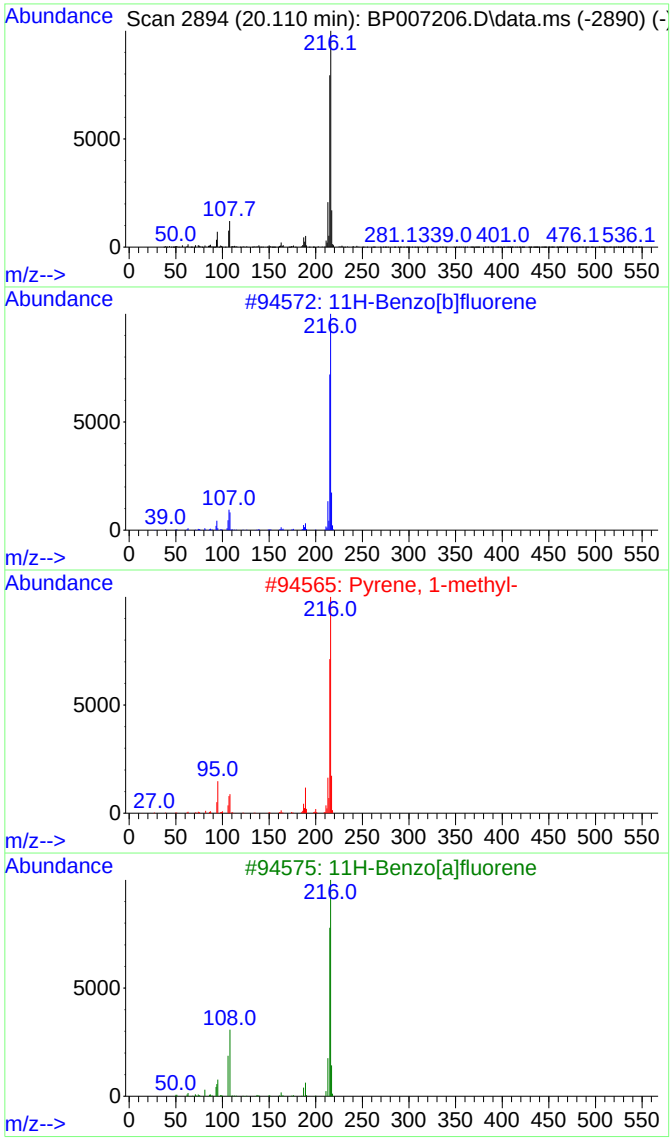
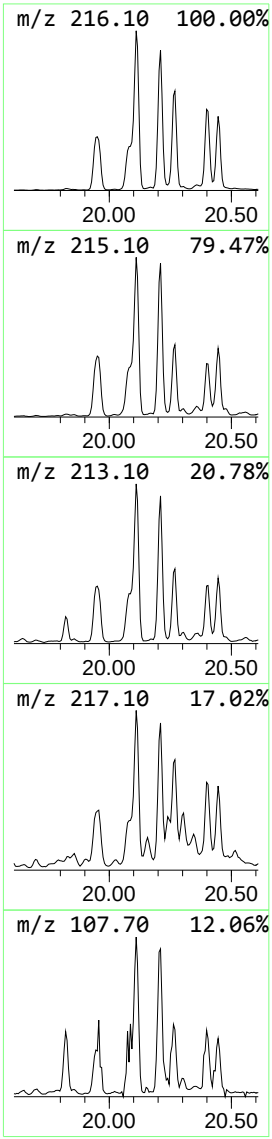
Peak Number 17 11H-Benzo[b]fluorene Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.110	6.04 ng	4933400	Chrysene-d12	21.357

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	96
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	90
5	7H-Benzo[c]fluorene	216	C17H12	000205-12-9	72





Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP092721\
Data File : BP007206.D
Acq On : 27 Sep 2021 15:33
Operator : CG/JU
Sample : M3934-07
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : TP-2

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP092121.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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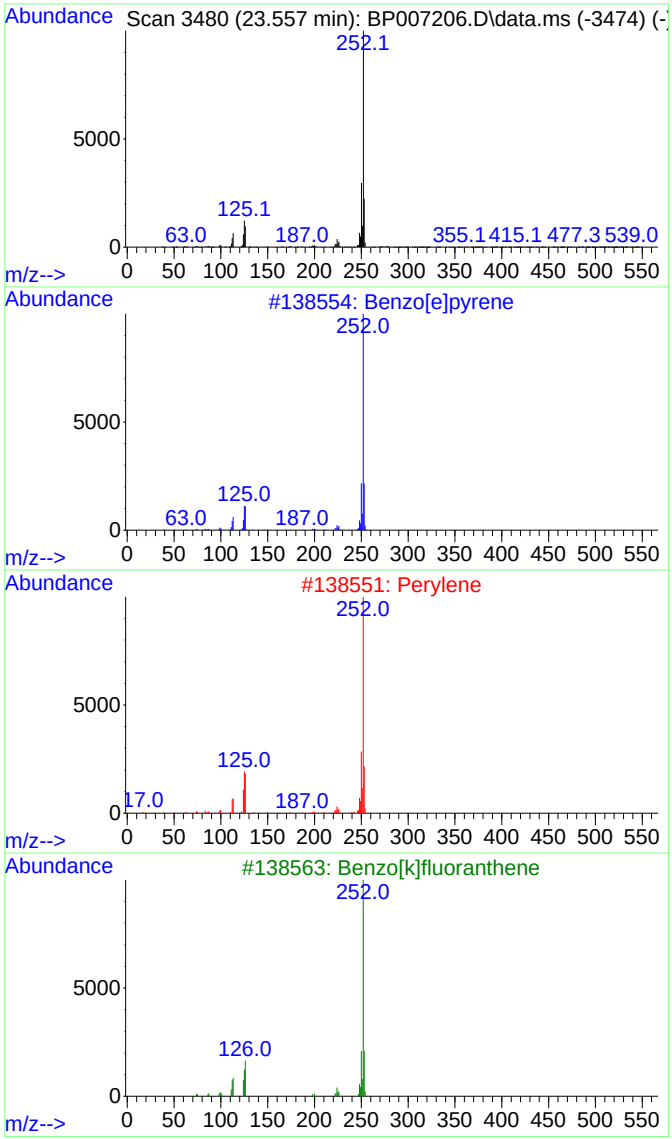
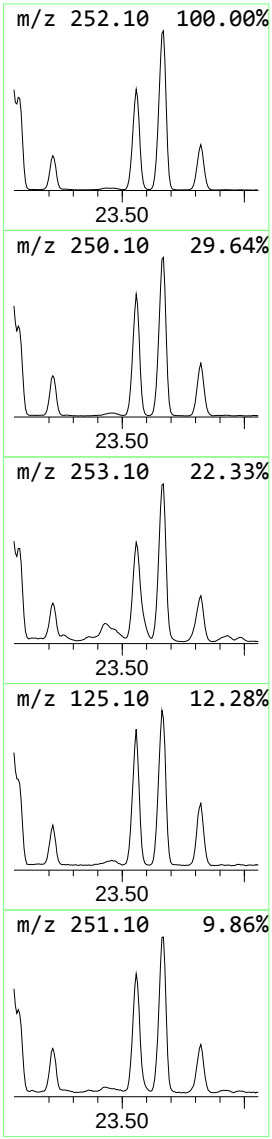
Peak Number 19 Benzo[e]pyrene Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
23.557	49.66 ng	7472420	Perylene-d12	23.769

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	99
2	Perylene	252	C20H12	000198-55-0	97
3	Benzo[k]fluoranthene	252	C20H12	000207-08-9	97
4	Benzo[b]fluoranthene	252	C20H12	000205-99-2	93
5	Benzo[j]fluoranthene	252	C20H12	000205-82-3	93





Tentatively Identified Compound (LSC) summary

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP092721\
Data File : BP007206.D
Acq On : 27 Sep 2021 15:33
Operator : CG/JU
Sample : M3934-07
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : TP-2

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP092121.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
Ethanol, 2-(2-b...	10.463	9.5	ng	1141670	2	10.681	2393990	20.0
Naphthalene, 2,...	13.834	10.8	ng	1933800	3	14.516	3590670	20.0
Chamazulene	16.240	5.9	ng	1064610	4	17.269	3612310	20.0
9H-Fluorene, 3-...	16.569	8.0	ng	1437880	4	17.269	3612310	20.0
Dibenzothiophene	17.081	13.0	ng	2349750	4	17.269	3612310	20.0
1-Methyldibenzo...	17.845	5.9	ng	1063700	4	17.269	3612310	20.0
1H-Cyclopropa[l...	18.134	23.3	ng	4214010	4	17.269	3612310	20.0
Phenanthrene, 2...	18.181	29.6	ng	5340830	4	17.269	3612310	20.0
Phenanthrene, 1...	18.257	10.5	ng	1889310	4	17.269	3612310	20.0
4H-Cyclopenta[d...	18.322	44.7	ng	8073620	4	17.269	3612310	20.0
Anthracene, 1-m...	18.357	12.4	ng	2239850	4	17.269	3612310	20.0
Naphthalene, 2-...	18.616	13.1	ng	2373050	4	17.269	3612310	20.0
Phenanthrene, 3...	18.904	6.3	ng	1130260	4	17.269	3612310	20.0
9,10-Dimethylan...	19.022	19.4	ng	3498140	4	17.269	3612310	20.0
Indeno[2,1-a]in...	19.081	11.0	ng	1981580	4	17.269	3612310	20.0
Phenanthrene, 2...	19.157	10.9	ng	1960940	4	17.269	3612310	20.0
11H-Benzo[b]flu...	20.110	6.0	ng	4933400	5	21.357	16327700	20.0
Benzo[e]pyrene	23.557	49.7	ng	7472420	6	23.769	3009660	20.0