LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP011222\
Data File : BP008774.D
Acq On : 12 Jan 2022 15:14
Operator : CG/JU
Sample : N1097-16
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
TP-3D

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-BP010622.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BP008774.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	3.058	8	12	28	rVB	2388236	3408284	15.59%	1.188%
2	5.446	411	418	437	rBV	5452908	8518237	38.96%	2.969%
3	7.040	680	689	707	rBV	5324174	8913257	40.77%	3.107%
4	7.863	821	829	837	rBV	1607026	2593129	11.86%	0.904%
5	9.022	1009	1026	1038	rBV	3403215	5884506	26.91%	2.051%
6	10.446	1259	1268	1280	rBV	371616	685432	3.13%	0.239%
7	10.663	1297	1305	1311	rBV	2137247	3696828	16.91%	1.289%
8	10.716	1311	1314	1321	rVB	157467	246083	1.13%	0.086%
9	13.128	1716	1724	1735	rBV	10118036	14681491	67.15%	5.118%
10	14.222	1904	1910	1920	rBV	409902	665342	3.04%	0.232%
11	14.504	1949	1958	1964	rBV	3444947	5216675	23.86%	1.818%
12	14.563	1964	1968	1976	rVB	285332	440209	2.01%	0.153%
13	14.898	2020	2025	2033	rVB	192953	329500	1.51%	0.115%
14	15.551	2130	2136	2141	rBV3	354865	529489	2.42%	0.185%
15	15.845	2181	2186	2197	rVB2	160666	349300	1.60%	0.122%
16	15.992	2205	2211	2220	rBV	8406925	11891547	54.39%	4.145%
17	16.228	2247	2251	2258	rVB3	141245	229856	1.05%	0.080%
18	16.563	2300	2308	2312	rBV3	176470	354678	1.62%	0.124%
19	16.792	2338	2347	2350	rBV3	179983	423140	1.94%	0.148%
20	16.910	2363	2367	2374	rVB3	192072	333623	1.53%	0.116%
21	16.986	2376	2380	2391	rVV5	214121	646388	2.96%	0.225%
22	17.069	2391	2394	2404	rVB	271536	494616	2.26%	0.172%
23	17.257	2420	2426	2429	rBV	4078701	6150829	28.13%	2.144%
24	17.298	2429	2433	2439	rVV	5268678	7204919	32.95%	2.512%
25	17.386	2443	2448	2453	rVB	1373906	1964502	8.99%	0.685%
26	17.445	2454	2458	2464	rBV3	226562	418445	1.91%	0.146%
27	17.663	2490	2495	2498	rBV	249939	369138	1.69%	0.129%
28	17.704	2498	2502	2509	rVB2	127877	227357	1.04%	0.079%
29	17.775	2510	2514	2518	rVB2	235317	287304	1.31%	0.100%
30	17.833	2521	2524	2528	rVB	256342	313508	1.43%	0.109%
31	17.975	2544	2548	2554	rBV	138410	221040	1.01%	0.077%
32	18.122	2568	2573	2576	rBV	1419011	1956357	8.95%	0.682%
33	18.169	2576	2581	2587	rVB	1937567	3241517	14.83%	1.130%
34	18.245	2589	2594	2599	rVV	829711	1216712	5.56%	0.424%
35	18.310	2599	2605	2609	rVV2	2107033	4039691	18.48%	1.408%
36	18.345	2609	2611	2618	rVB	1180604	1414188	6.47%	0.493%

LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP011222\
Data File : BP008774.D
Acq On : 12 Jan 2022 15:14
Operator : CG/JU
Sample : N1097-16
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
TP-3D

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-BP010622.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

37	18.604	2651	2655	2659	rBV	988905	1307116	5.98%	0.456%
38	18.645	2659	2662	2672	rVB2	541241	838643	3.84%	0.292%
39	18.728	2673	2676	2681	rBV	219252	293466	1.34%	0.102%
40	18.845	2693	2696	2700	rVB	519100	560862	2.57%	0.196%
41	18.892	2700	2704	2707	rBV	418242	502943	2.30%	0.175%
42	18.928	2707	2710	2715	rVB	423712	557165	2.55%	0.194%
43	19.010	2719	2724	2728	rBV	1309717	2222227	10.16%	0.775%
44	19.075	2729	2735	2738	rBV2	596260	1029416	4.71%	0.359%
45	19.145	2743	2747	2755	rBV2	962397	1721147	7.87%	0.600%
46	19.269	2762	2768	2774	rBV	14228713	18543708	84.81%	6.464%
47	19.328	2774	2778	2781	rBV	335992	393815	1.80%	0.137%
48	19.363	2781	2784	2789	rBV3	386252	608309	2.78%	0.212%
49	19.457	2796	2800	2803	rBV4	217275	310413	1.42%	0.108%
50	19.504	2804	2808	2811	rBV2	501785	656368	3.00%	0.229%
51	19.622	2818	2828	2835	rBV	12585401	21864205	100.00%	7.622%
52	19.692	2835	2840	2846	rVB2	839034	1491219	6.82%	0.520%
53	19.816	2853	2861	2865	rBV	17320931	21658576	99.06%	7.550%
54	19.851	2865	2867	2873	rVB2	656594	872435	3.99%	0.304%
55	19.933	2875	2881	2888	rBV3	1246007	3151415	14.41%	1.099%
56	20.069	2899	2904	2905	rBV3	902212	1281630	5.86%	0.447%
57	20.104	2906	2910	2914	rVB	2492411	3610494	16.51%	1.259%
58	20.198	2922	2926	2930	rBV	1908427	2460707	11.25%	0.858%
59	20.257	2930	2936	2940	rVV3	1782587	2986010	13.66%	1.041%
60	20.292	2940	2942	2946	rVV	545223	631148	2.89%	0.220%
61	20.333	2946	2949	2954	rVB2	393929	548870	2.51%	0.191%
62	20.392	2955	2959	2963	rVV	1157557	1459409	6.67%	0.509%
63	20.439	2963	2967	2970	rVV	1210429	1633863	7.47%	0.570%
64	20.492	2971	2976	2980	rVB	2902231	3516034	16.08%	1.226%
65	20.645	2999	3002	3004	rBV3	260046	333652	1.53%	0.116%
66	20.680	3005	3008	3010	rVV4	358976	449690	2.06%	0.157%
67	20.792	3024	3027	3030	rBV3	422174	657813	3.01%	0.229%
68	20.833	3031	3034	3040	rVB	1172861	1800606	8.24%	0.628%
69	20.998	3055	3062	3065	rBV3	1419171	2527149	11.56%	0.881%
70	21.033	3065	3068	3070	rBV	1195613	1371386	6.27%	0.478%
71	21.122	3080	3083	3091	rVB2	1122176	1711397	7.83%	0.597%
72	21.333	3114	3119	3124	rBV2	9985695	18810174	86.03%	6.557%
73	21.386	3124	3128	3136	rVB	7223646	10165297	46.49%	3.544%
74	21.463	3137	3141	3145	rBV	5294410	6844263	31.30%	2.386%
75	21.504	3145	3148	3155	rVB	1286150	1842213	8.43%	0.642%
76	21.674	3173	3177	3182	rBV3	706681	1184901	5.42%	0.413%

LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP011222\
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Acq On : 12 Jan 2022 15:14
Operator : CG/JU
Sample : N1097-16
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
TP-3D

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-BP010622.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

77	21.927	3216	3220	3224	rVB	1437425	2080982	9.52%	0.725%
78	21.980	3226	3229	3234	rVB	955070	1364624	6.24%	0.476%
79	22.092	3245	3248	3252	rVB2	485547	619979	2.84%	0.216%
80	22.139	3252	3256	3259	rBV	650315	1015221	4.64%	0.354%
81	22.239	3270	3273	3279	rVB2	619075	1011782	4.63%	0.353%
82	23.033	3402	3408	3414	rBV	4394696	11176560	51.12%	3.896%
83	23.216	3435	3439	3448	rVB	892148	1553786	7.11%	0.542%
84	23.557	3491	3497	3507	rVB	2560561	5525098	25.27%	1.926%
85	23.663	3509	3515	3523	rVB	3959650	7893037	36.10%	2.751%
86	23.768	3527	3533	3539	rBV2	2500277	5365671	24.54%	1.870%
87	26.298	3956	3963	3976	rVB2	1764622	5296440	24.22%	1.846%

Sum of corrected areas: 286870451

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP011222\
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Acq On : 12 Jan 2022 15:14
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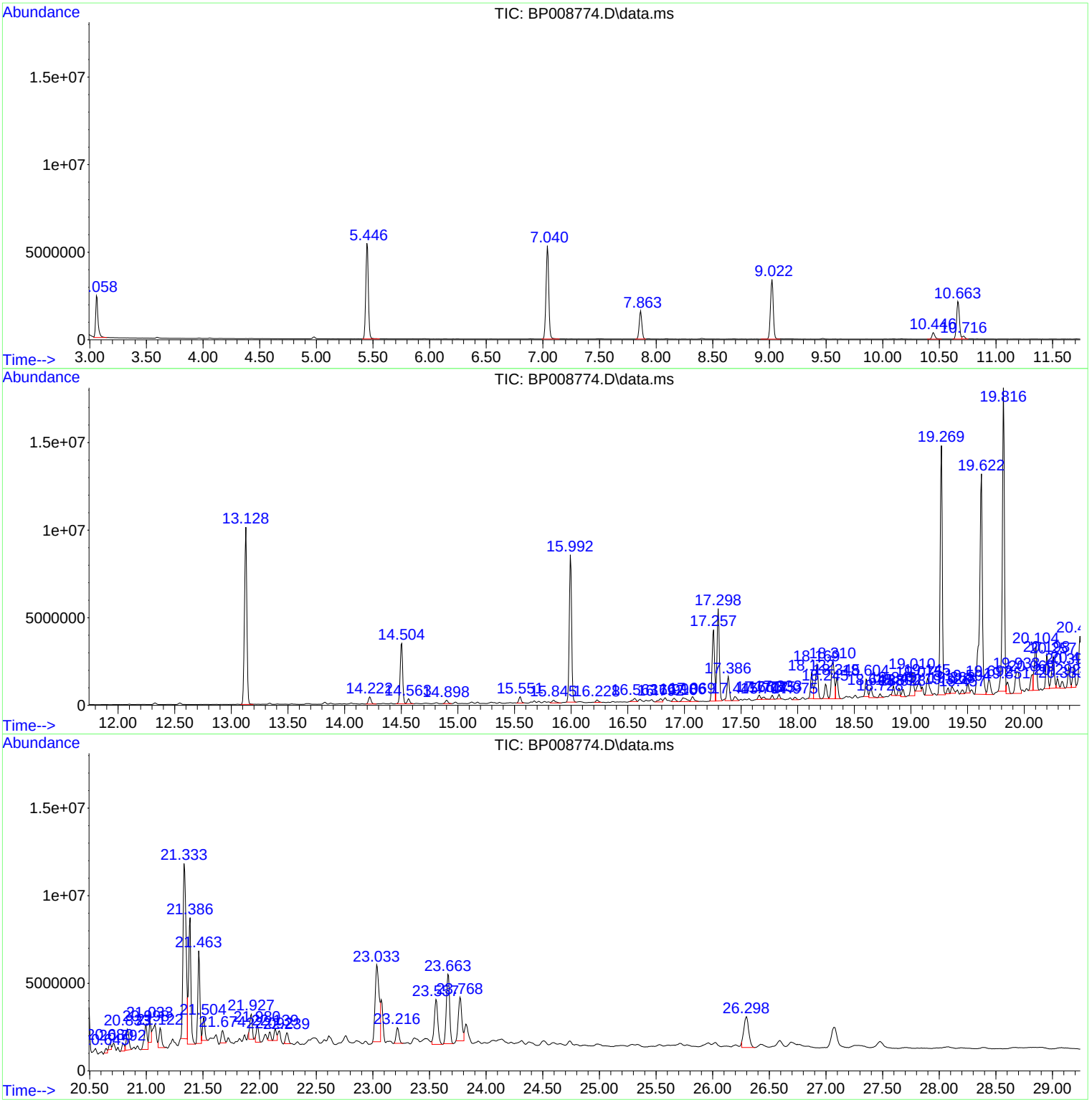
Sample : N1097-16
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
TP-3D

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP010622.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\BP011222\
Data File : BP008774.D
Acq On : 12 Jan 2022 15:14
Operator : CG/JU
Sample : N1097-16
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
TP-3D

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP010622.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

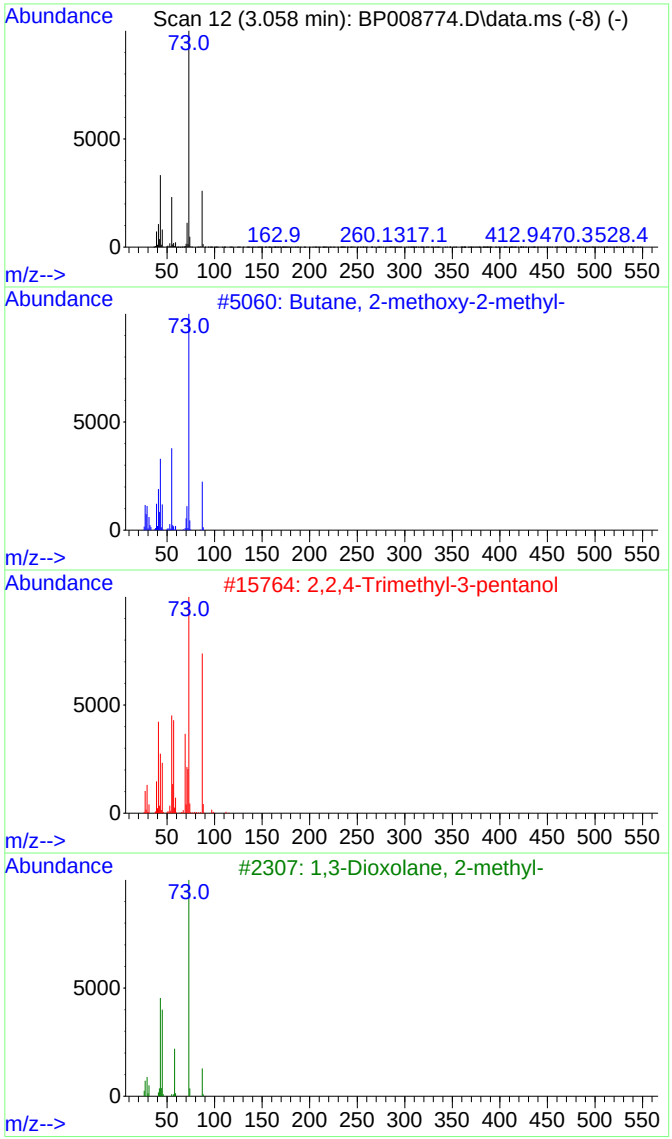
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

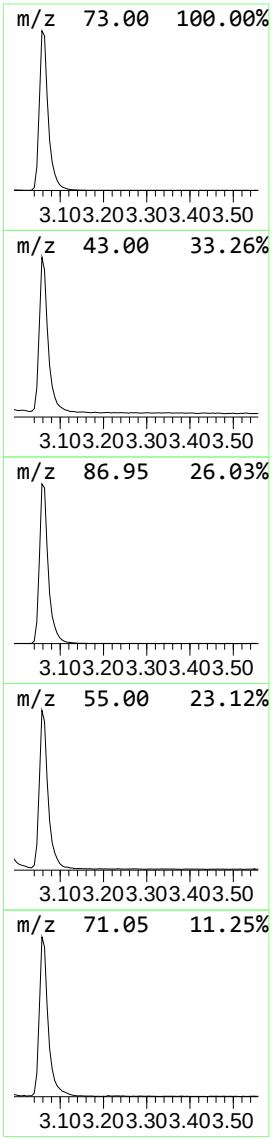
****

Peak Number 1 Butane, 2-methoxy-2-methyl- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.058	26.29 ng	3408280	1,4-Dichlorobenzene-d4	7.863

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butane, 2-methoxy-2-methyl-	102	C6H14O	000994-05-8	83
2	2,2,4-Trimethyl-3-pentanol	130	C8H18O	005162-48-1	39
3	1,3-Dioxolane, 2-methyl-	88	C4H8O2	000497-26-7	37
4	Pentane, 3-methoxy-	102	C6H14O	036839-67-5	23
5	Silane, tetramethyl-	88	C4H12Si	000075-76-3	17





Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP011222\
Data File : BP008774.D
Acq On : 12 Jan 2022 15:14
Operator : CG/JU
Sample : N1097-16
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
TP-3D

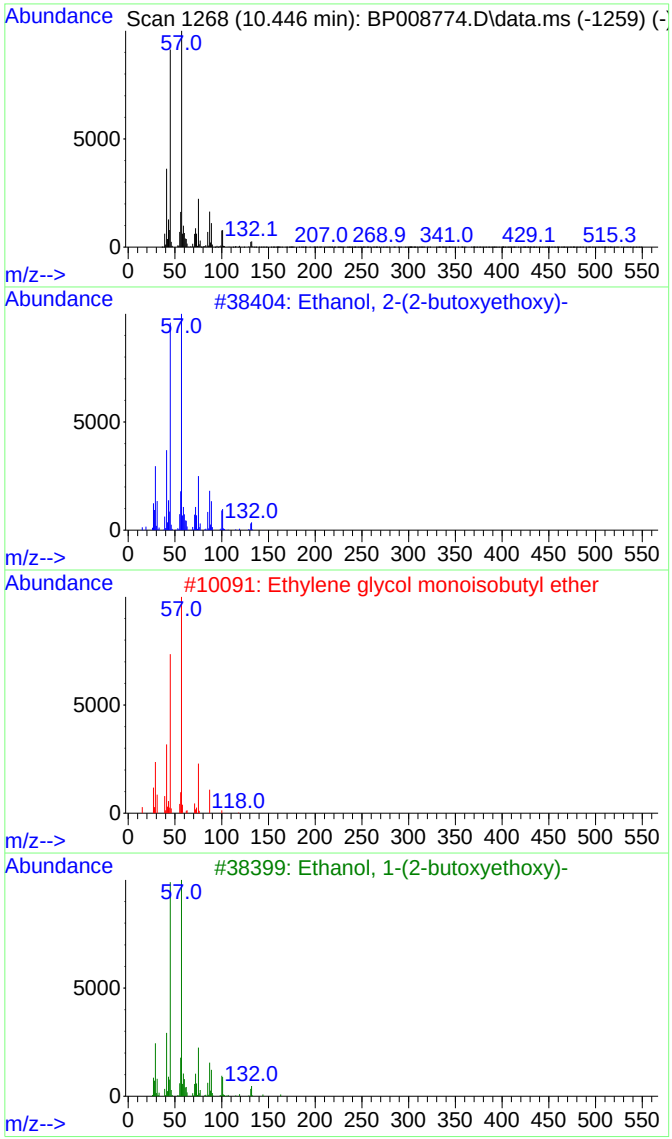
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP010622.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

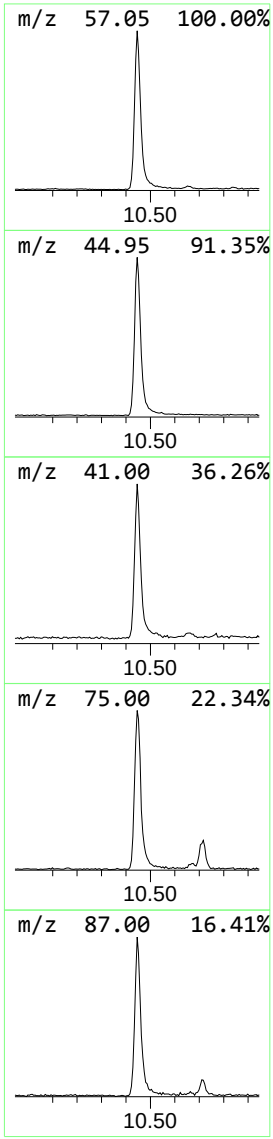
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 2 Ethanol, 2-(2-butoxyethoxy)- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.446	3.71 ng	685432	Naphthalene-d8	10.663

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Ethanol, 2-(2-butoxyethoxy)-	162	C8H18O3	000112-34-5	91
2	Ethylene glycol monoisobutyl ether	118	C6H14O2	004439-24-1	64
3	Ethanol, 1-(2-butoxyethoxy)-	162	C8H18O3	054446-78-5	50
4	3,3-Dimethylbutane-2-ol	102	C6H14O	000464-07-3	50
5	Methoxyacetic acid, 2-butyl ester	146	C7H14O3	070159-90-9	50





Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP011222\
Data File : BP008774.D
Acq On : 12 Jan 2022 15:14
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ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
TP-3D

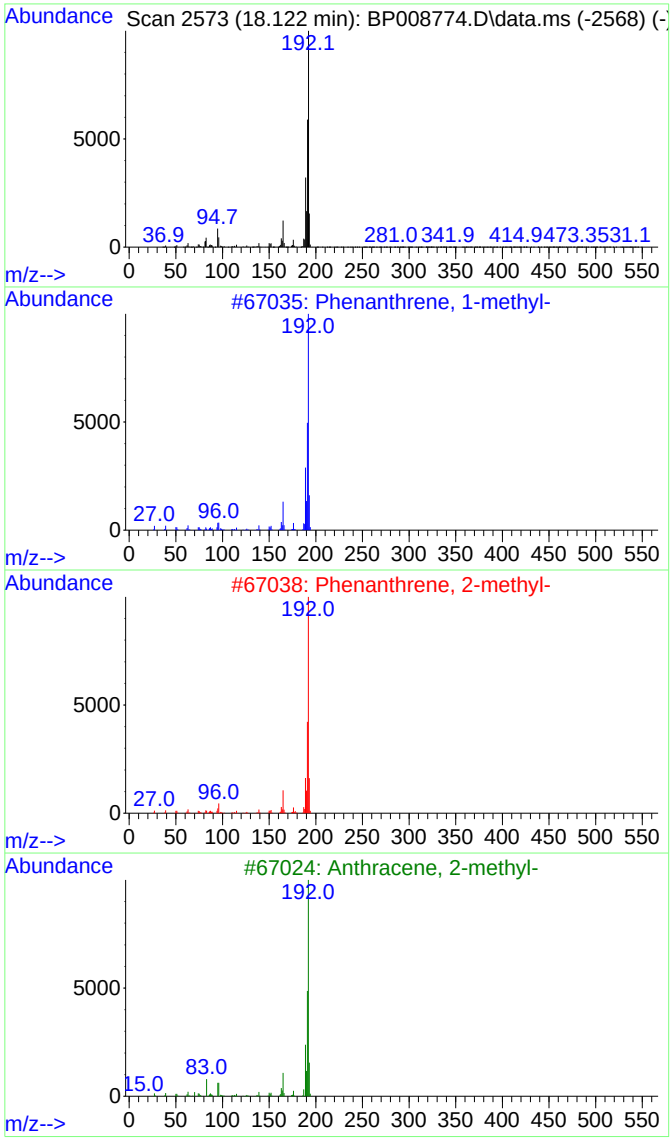
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP010622.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

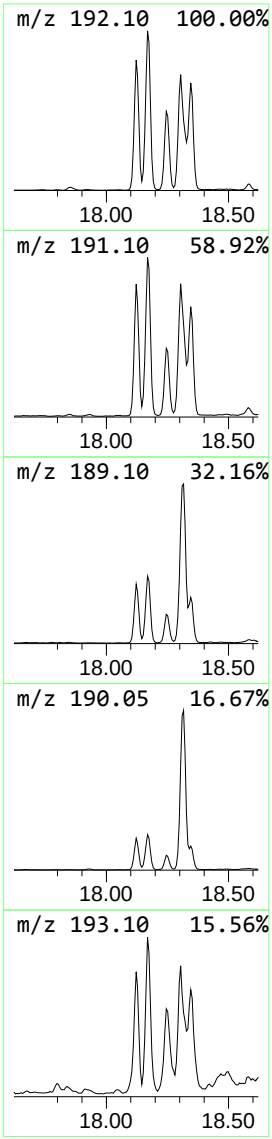
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 3 1H-Cyclopropa[l]phenanthren... Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.122	6.36 ng	1956360	Phenanthrene-d10	17.257

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	96
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
4	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	95
5	Anthracene, 9-methyl-	192	C15H12	000779-02-2	94





Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP011222\
Data File : BP008774.D
Acq On : 12 Jan 2022 15:14
Operator : CG/JU
Sample : N1097-16
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
TP-3D

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP010622.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

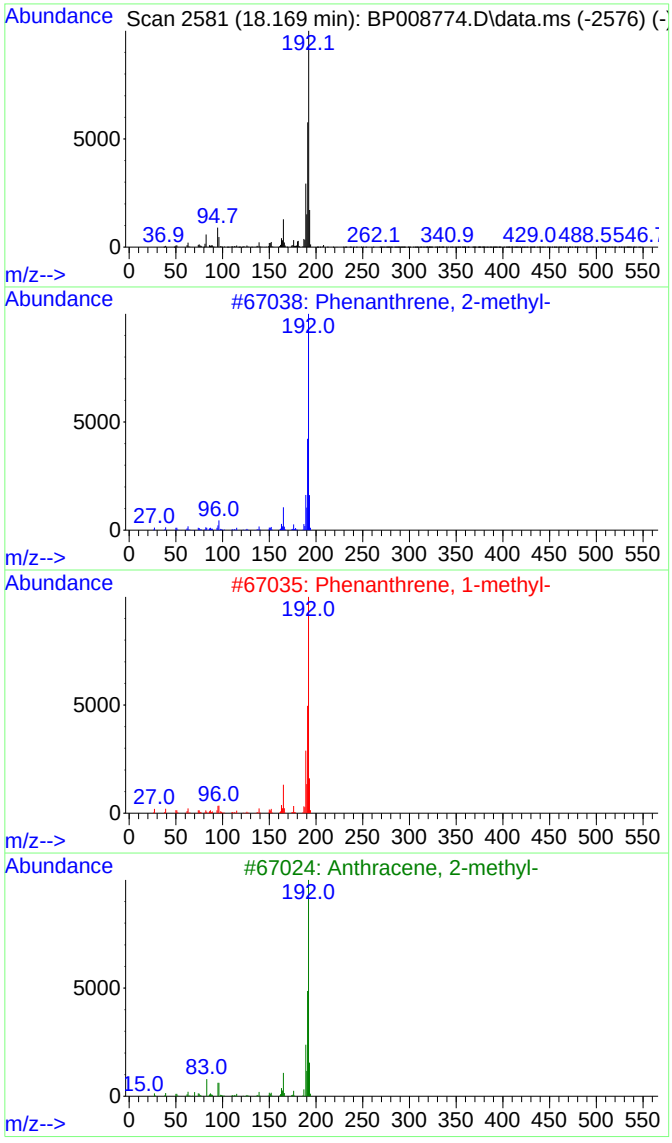
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

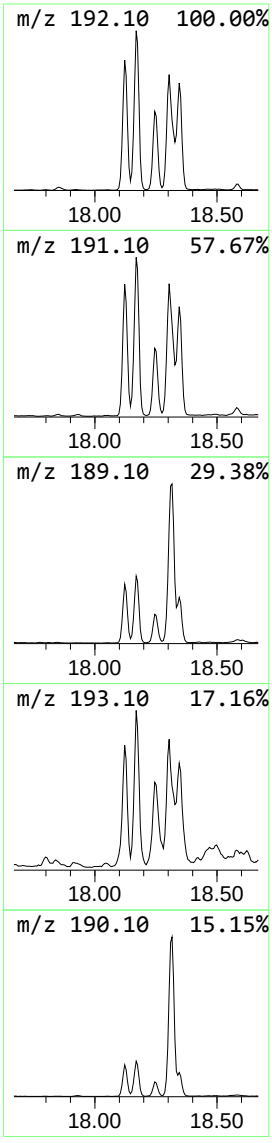
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.169	10.54 ng	3241520	Phenanthrene-d10	17.257

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	Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
4	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	95
5	1H-Indene, 1-phenyl-	192	C15H12	001961-96-2	94





Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP011222\
Data File : BP008774.D
Acq On : 12 Jan 2022 15:14
Operator : CG/JU
Sample : N1097-16
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
TP-3D

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP010622.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

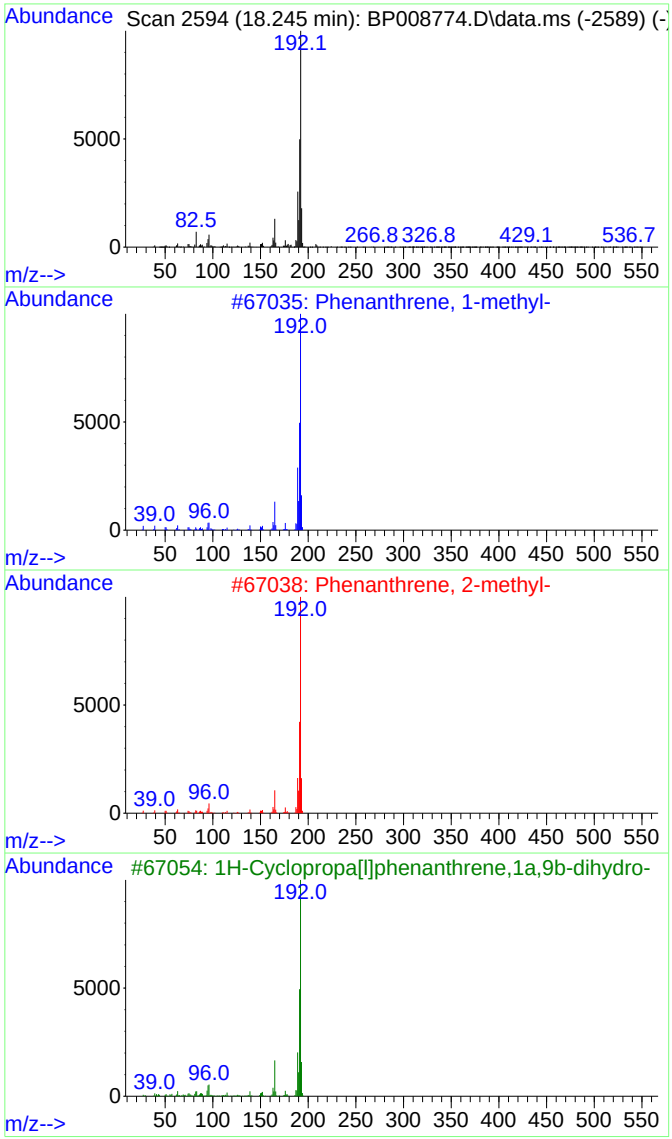
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

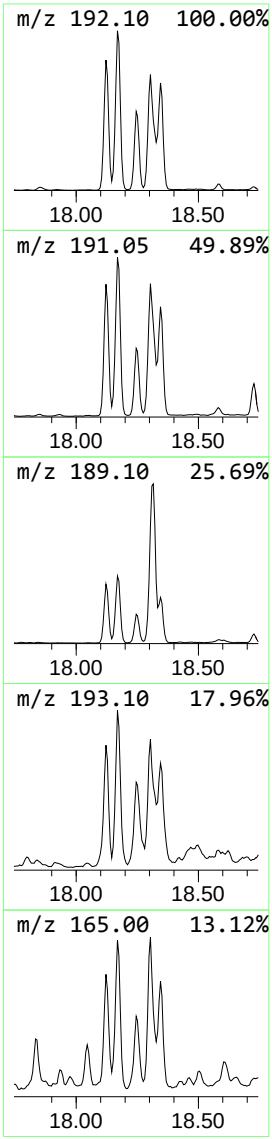
****

Peak Number 5 Phenanthrene, 1-methyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.245	3.96 ng	1216710	Phenanthrene-d10	17.257

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-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	96
4	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	96
5	Anthracene, 2-methyl-	192	C15H12	000613-12-7	95





Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP011222\
Data File : BP008774.D
Acq On : 12 Jan 2022 15:14
Operator : CG/JU
Sample : N1097-16
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
TP-3D

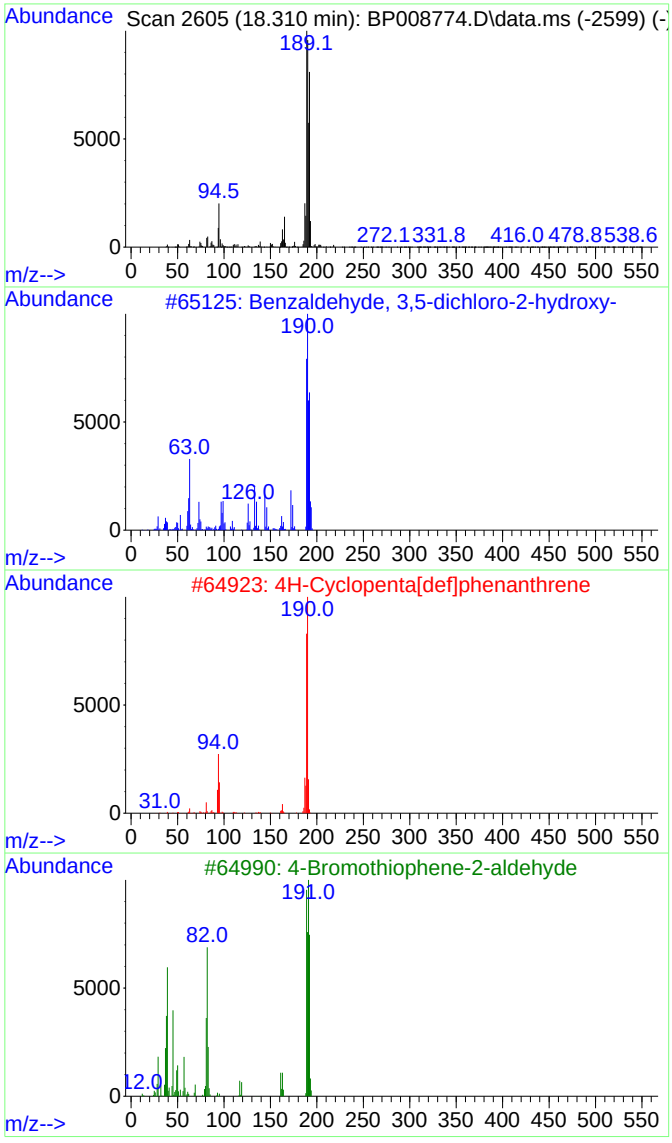
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP010622.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

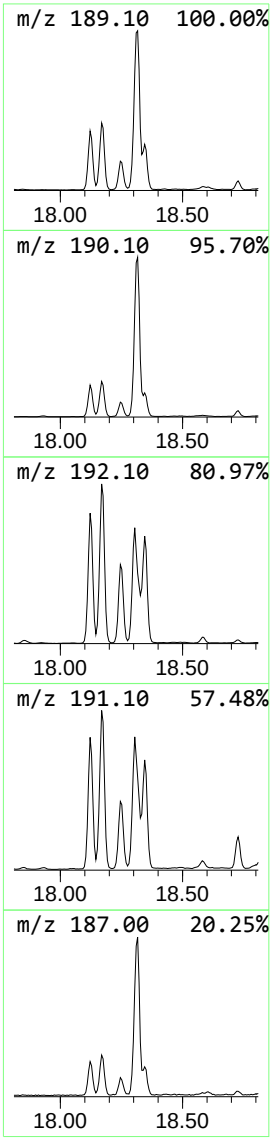
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 6 Benzaldehyde, 3,5-dichloro-... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.310	13.14 ng	4039690	Phenanthrene-d10	17.257

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzaldehyde, 3,5-dichloro-2-hyd...	190	C7H4Cl2O2	000090-60-8	72
2	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	60
3	4-Bromothiophene-2-aldehyde	190	C5H3BrOS	018791-75-8	58
4	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	49
5	5H-Dibenzo[a,d]cycloheptene	192	C15H12	000256-81-5	42





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Operator : CG/JU
Sample : N1097-16
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
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ClientSampleId :
TP-3D

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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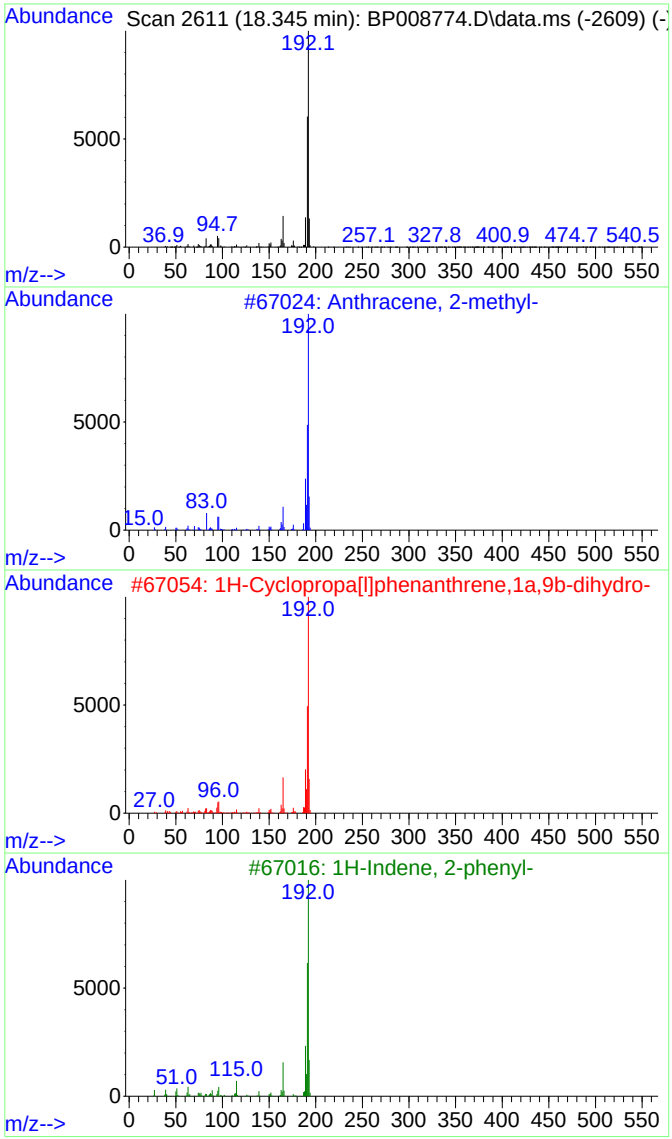
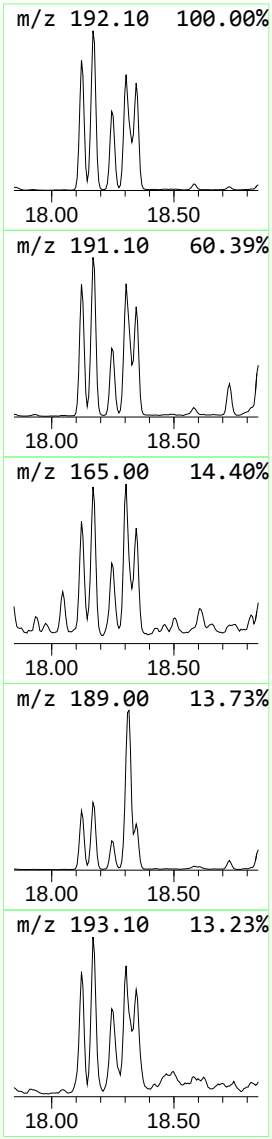
Peak Number 7 Anthracene, 2-methyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.345	4.60 ng	1414190	Phenanthrene-d10	17.257

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 2-methyl-	192	C15H12	000613-12-7	94
2	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	90
3	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	87
4	5H-Dibenzo[a,d]cycloheptene	192	C15H12	000256-81-5	87
5	Anthracene, 9-methyl-	192	C15H12	000779-02-2	87





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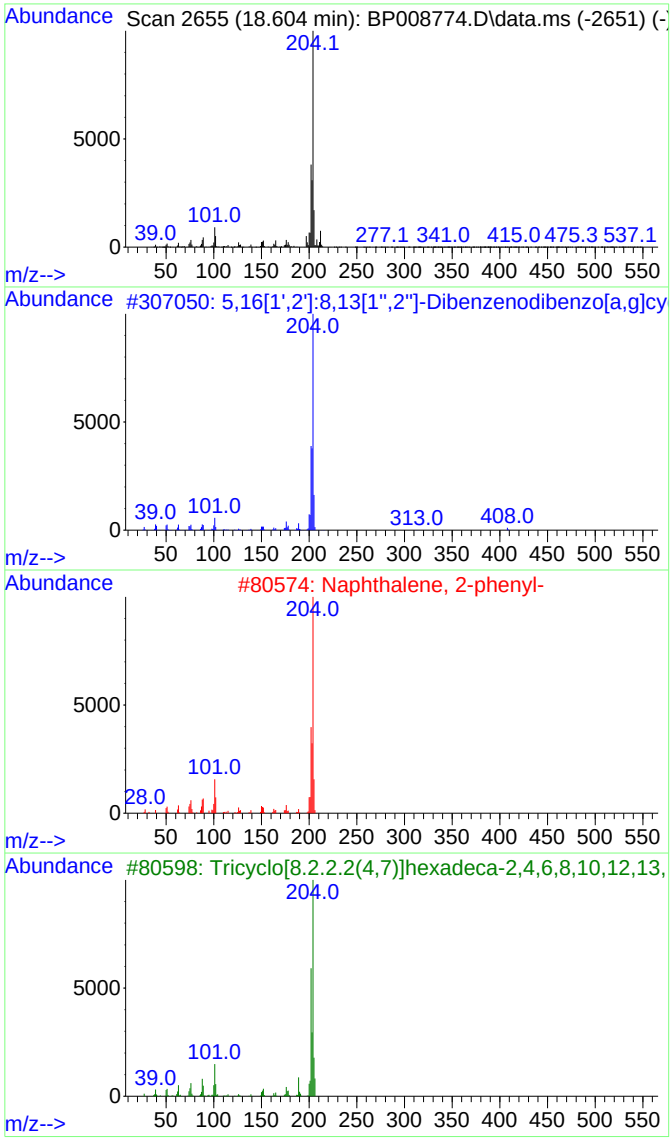
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

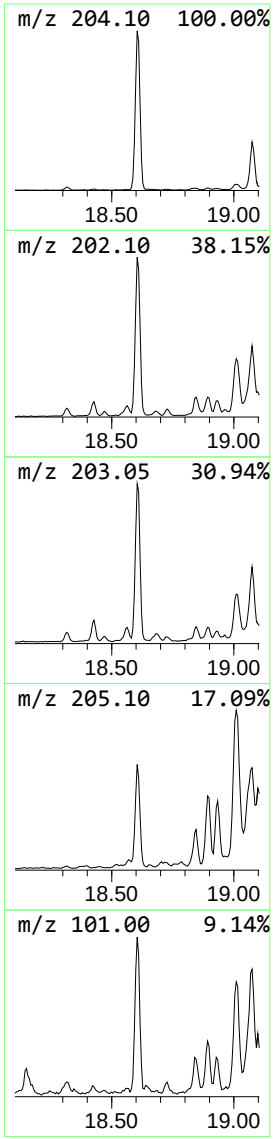
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 8 5,16[1',2']:8,13[1'',2'']-D... Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.604	4.25 ng	1307120	Phenanthrene-d10	17.257

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	86
2	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	83
3	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	52
4	Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	49
5	1,4-Ethenoanthracene, 1,4-dihydro-	204	C16H12	027765-96-4	47





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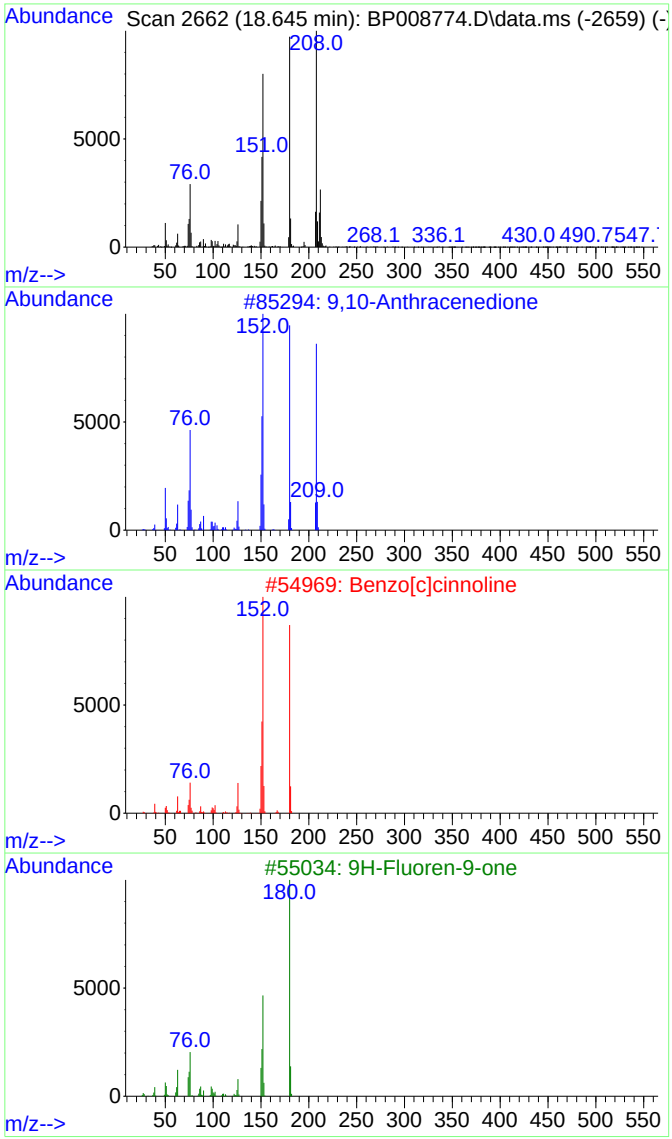
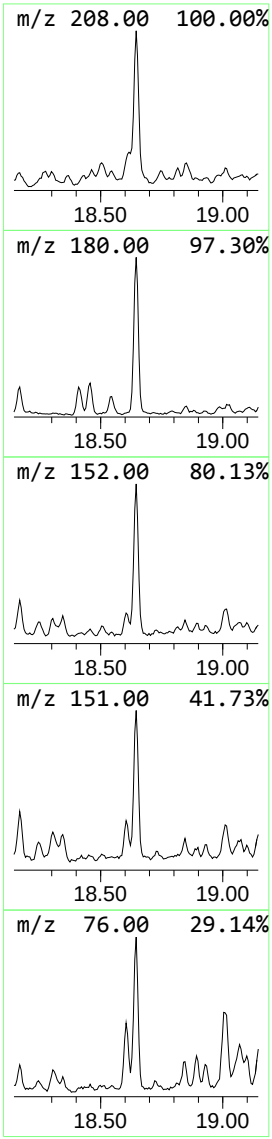
Peak Number 9 9,10-Anthracenedione Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.645	2.73 ng	838643	Phenanthrene-d10	17.257

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	91
3	9H-Fluoren-9-one	180	C13H8O	000486-25-9	58
4	1H-Phenalen-1-one	180	C13H8O	000548-39-0	55
5	9,10-Phenanthrenedione	208	C14H8O2	000084-11-7	43





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

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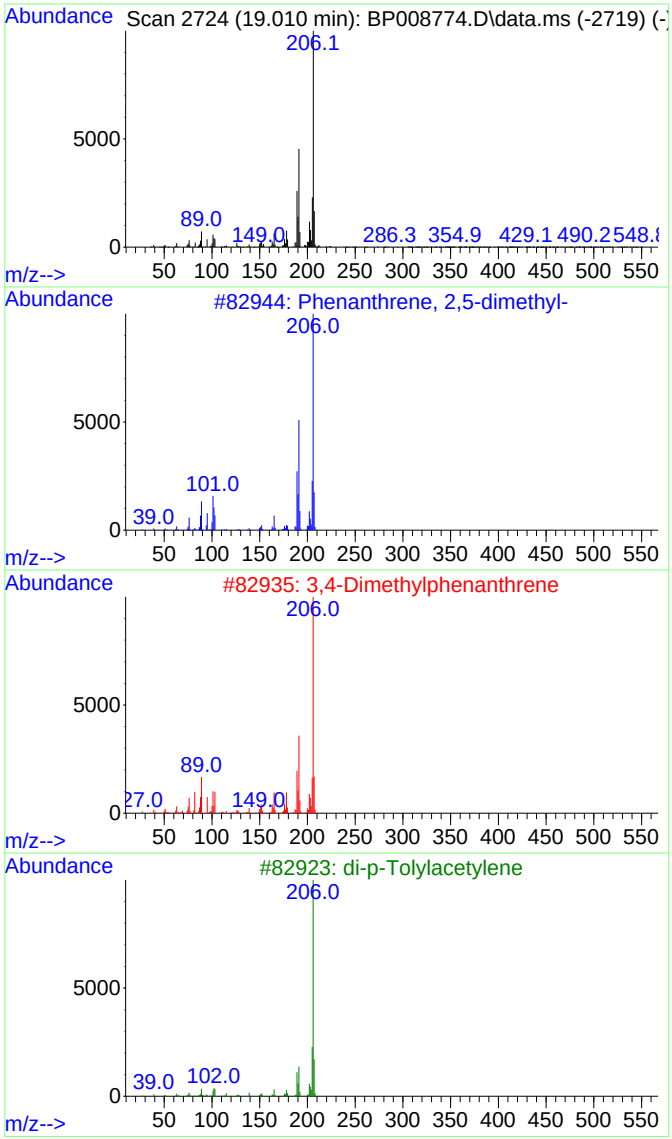
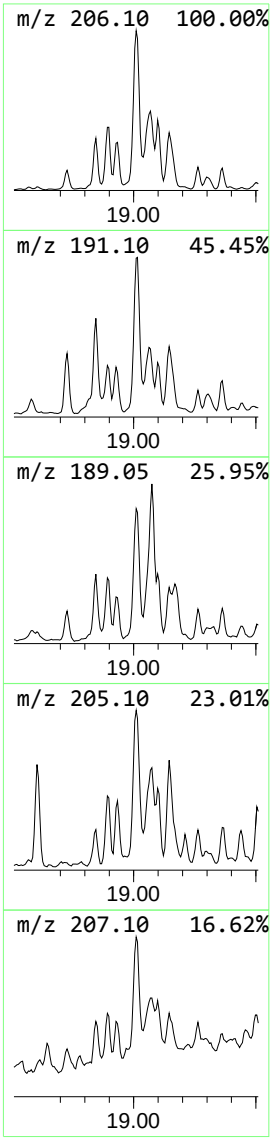
Peak Number 10 Phenanthrene, 2,5-dimethyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.010	7.23 ng	2222230	Phenanthrene-d10	17.257

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	97
2	3,4-Dimethylphenanthrene	206	C16H14	1000452-24-5	93
3	di-p-Tolylacetylene	206	C16H14	002789-88-0	91
4	9,10-Dimethylanthracene	206	C16H14	000781-43-1	91
5	Phenanthrene, 2,7-dimethyl-	206	C16H14	001576-69-8	90





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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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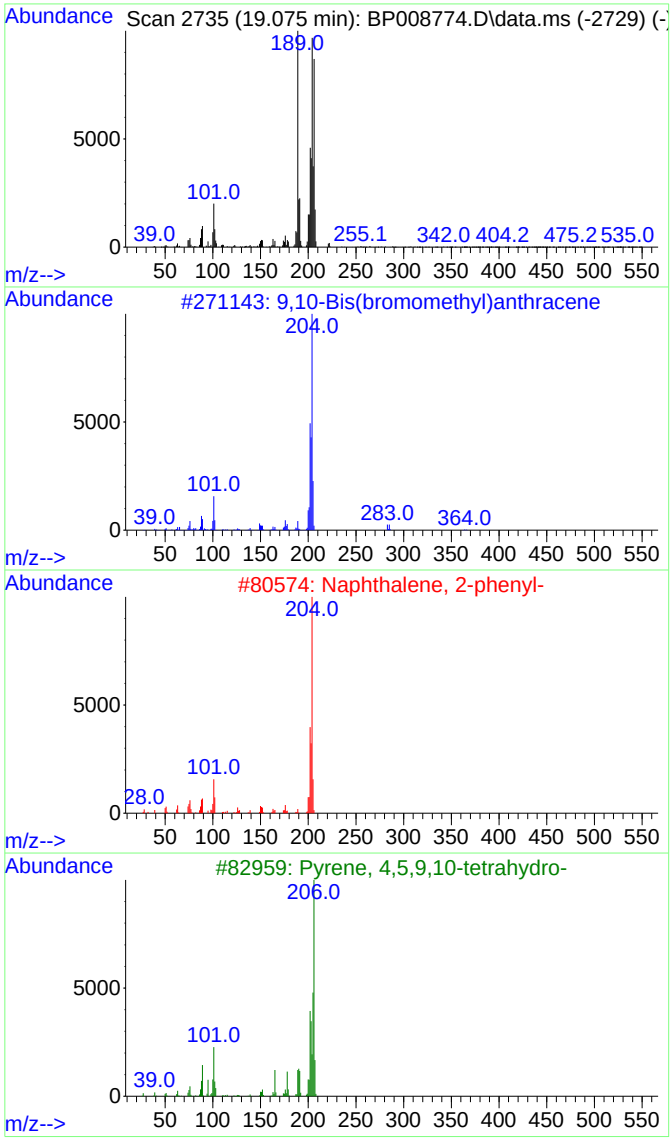
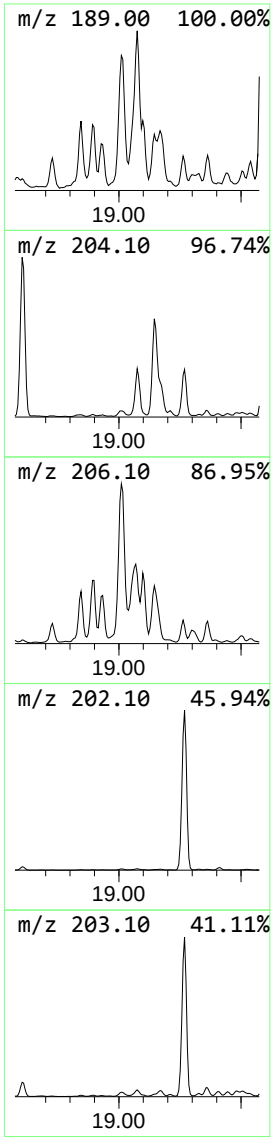
Peak Number 11 unknown19.075 Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.075	3.35 ng	1029420	Phenanthrene-d10	17.257

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Bis(bromomethyl)anthracene	362	C16H12Br2	034373-96-1	43
2	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	38
3	Pyrene, 4,5,9,10-tetrahydro-	206	C16H14	000781-17-9	38
4	9,10-di(Chloromethyl)anthracene	274	C16H12Cl2	010387-13-0	38
5	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	25





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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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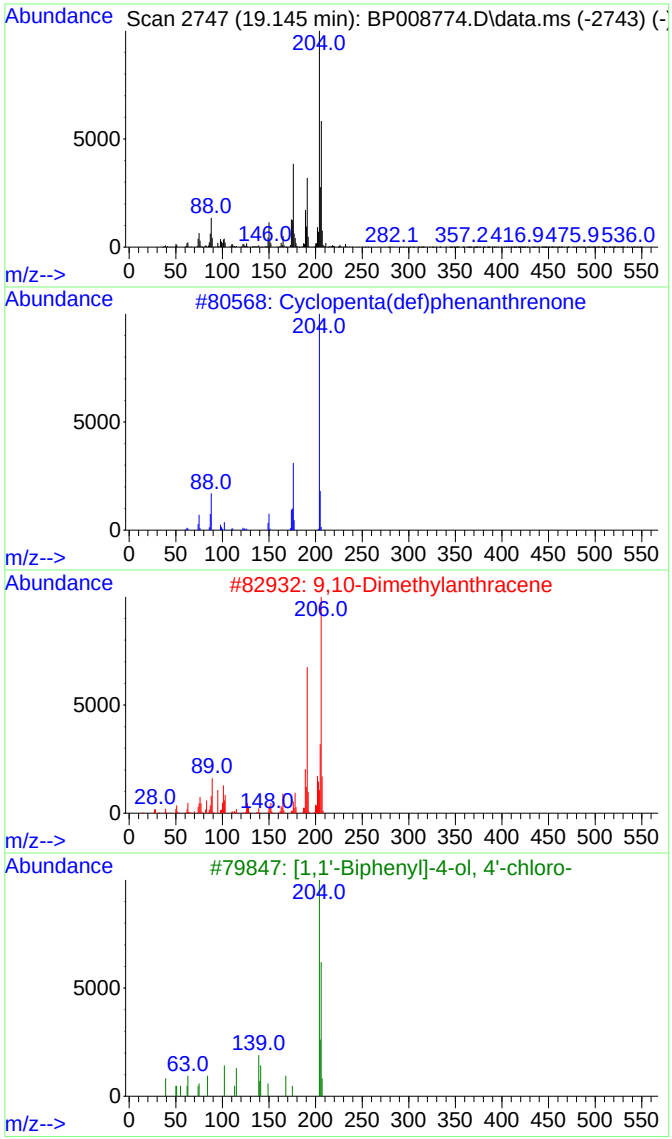
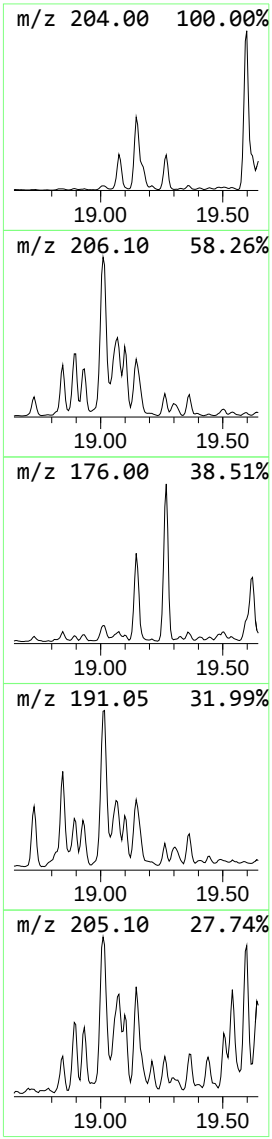
Peak Number 12 Cyclopenta(def)phenanthrenone Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.145	5.60 ng	1721150	Phenanthrene-d10	17.257

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	89
2	9,10-Dimethylanthracene	206	C16H14	000781-43-1	49
3	[1,1'-Biphenyl]-4-ol, 4'-chloro-	204	C12H9ClO	028034-99-3	49
4	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	38
5	[14]Annulene, 1,6:8,13-bis(metha...	206	C16H14	085385-68-8	38





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

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

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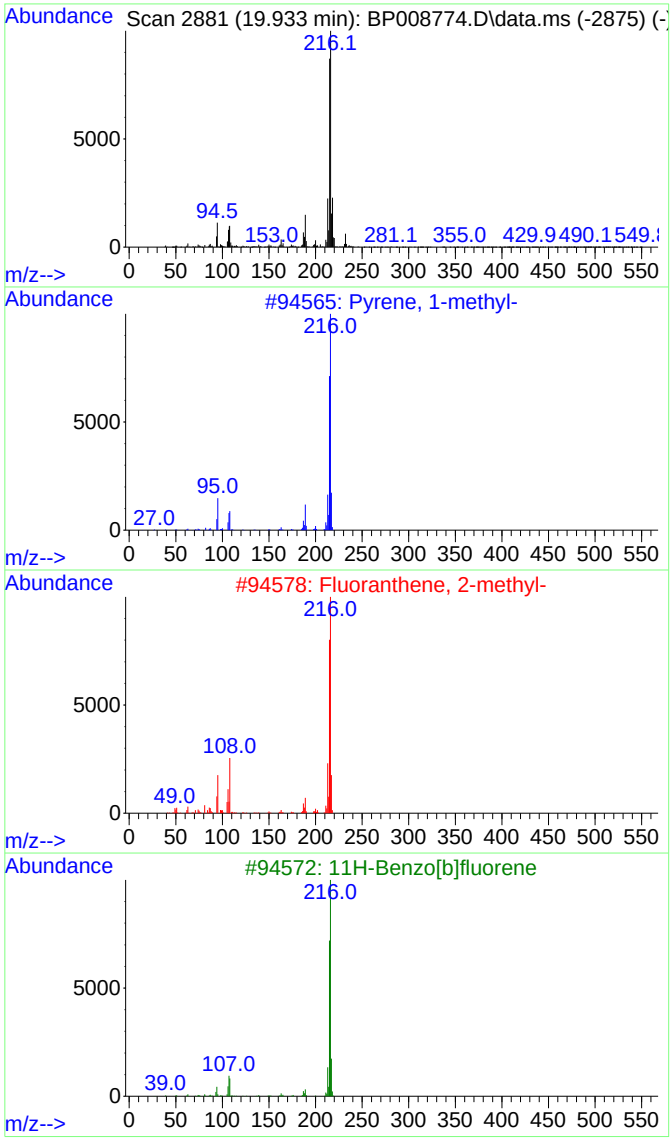
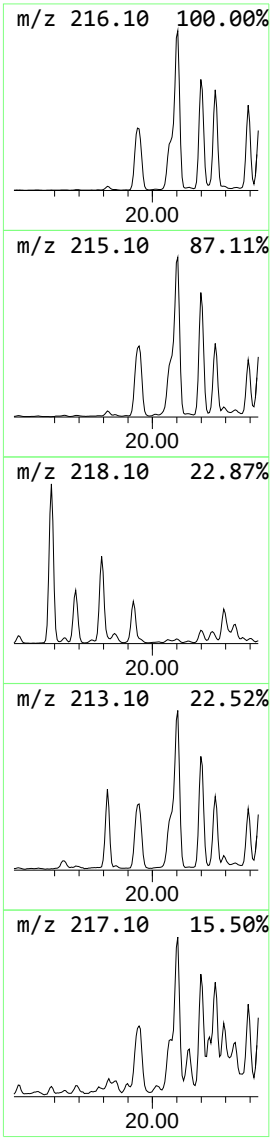
Peak Number 13 Pyrene, 1-methyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.933	3.35 ng	3151420	Chrysene-d12	21.345

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	95
2	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	93
3	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	80
4	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	74
5	7H-Benzo[c]fluorene	216	C17H12	000205-12-9	68





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

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

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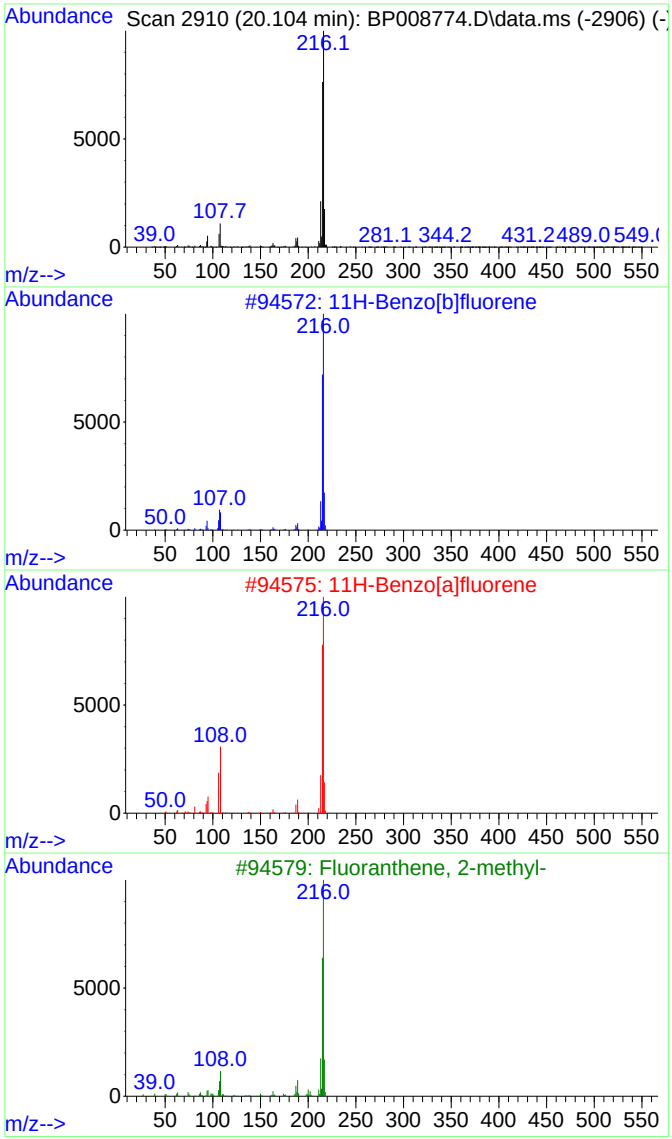
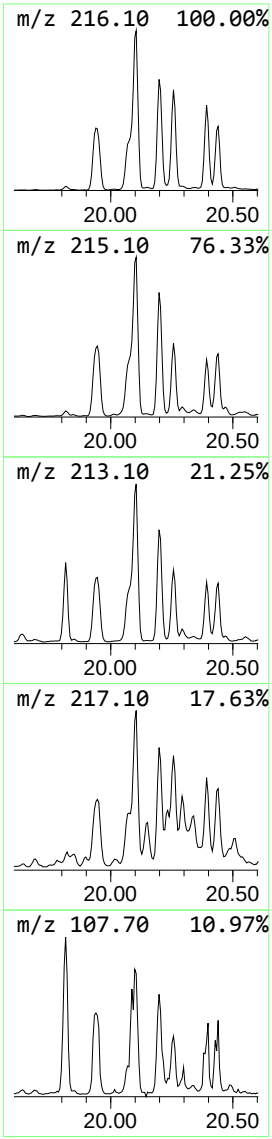
Peak Number 14 11H-Benzo[b]fluorene Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.104	3.84 ng	3610490	Chrysene-d12	21.345

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	96
2	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	87
3	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	80
4	Pyrene, 1-methyl-	216	C17H12	002381-21-7	78
5	7H-Benzo[c]fluorene	216	C17H12	000205-12-9	72





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

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

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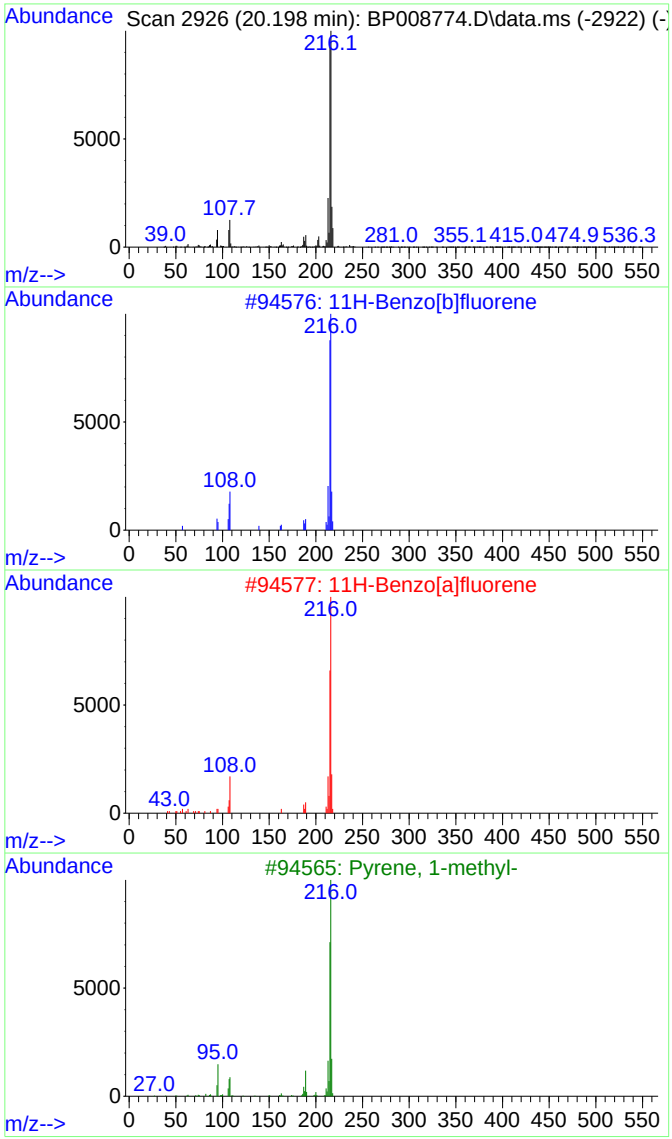
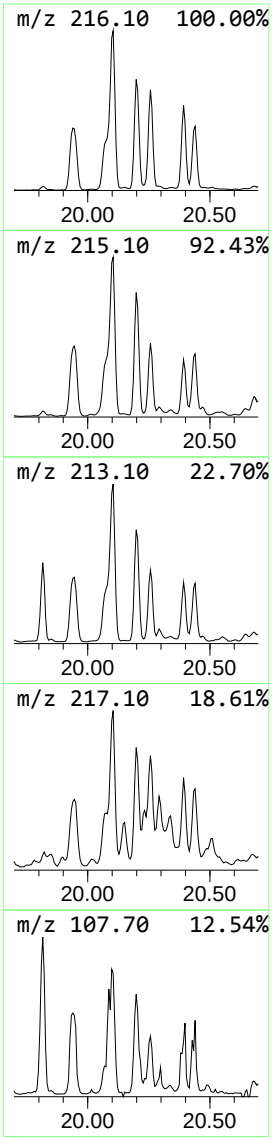
Peak Number 15 11H-Benzo[a]fluorene Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.198	2.62 ng	2460710	Chrysene-d12	21.345

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





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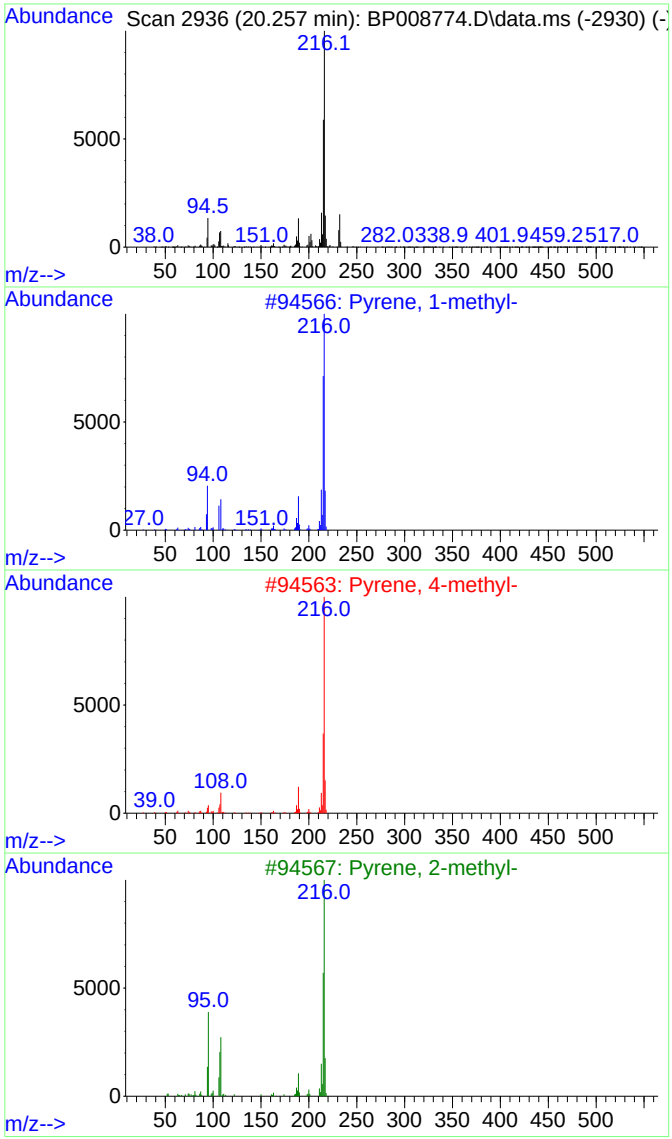
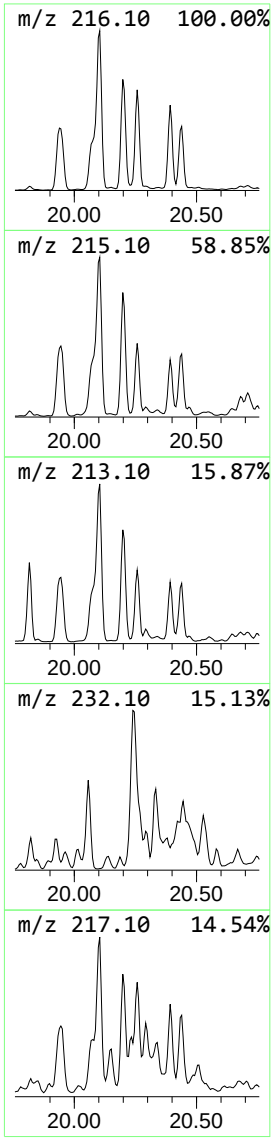
Peak Number 16 Pyrene, 4-methyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.257	3.17 ng	2986010	Chrysene-d12	21.345

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	95
2	Pyrene, 4-methyl-	216	C17H12	003353-12-6	93
3	Pyrene, 2-methyl-	216	C17H12	003442-78-2	93
4	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	87
5	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	81





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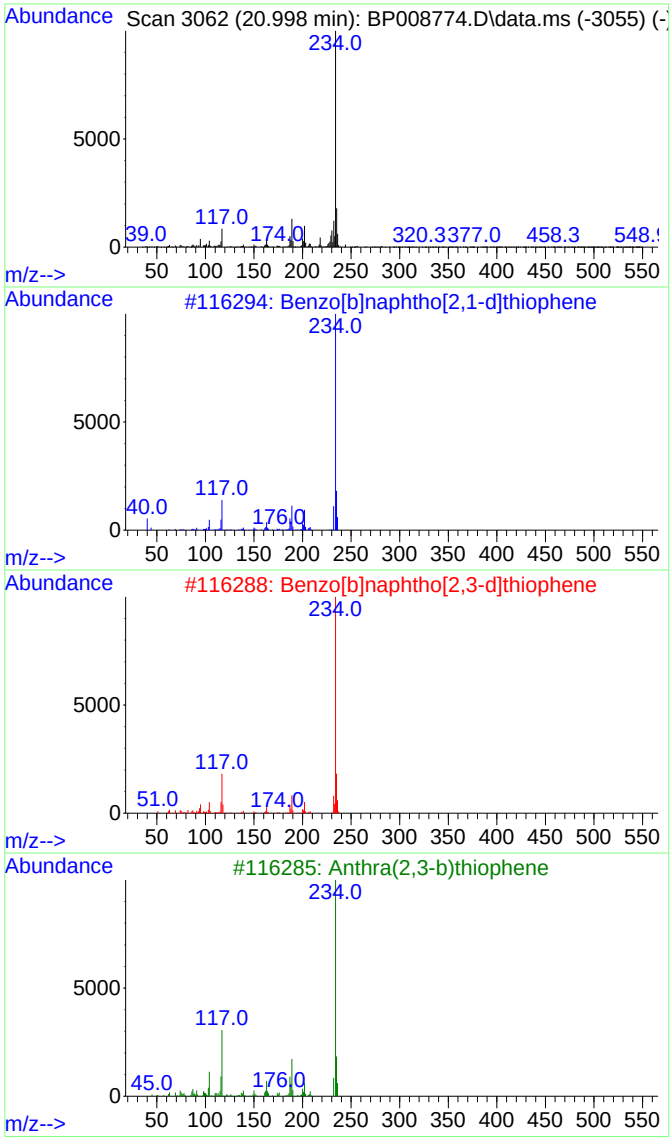
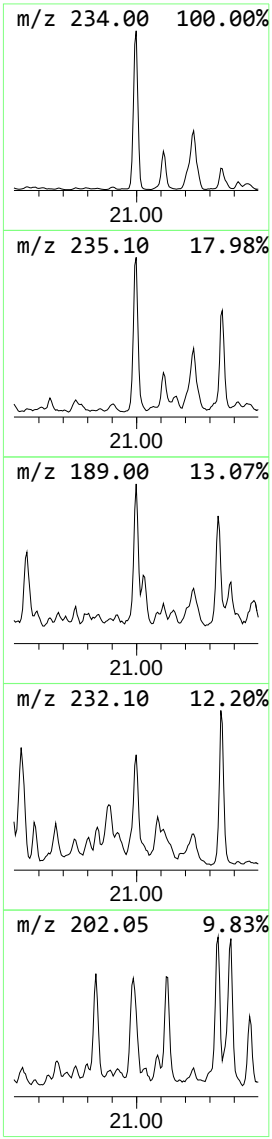
Peak Number 17 Benzo[b]naphtho[2,1-d]thiop... Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.998	2.69 ng	2527150	Chrysene-d12	21.345

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[b]naphtho[2,1-d]thiophene	234	C16H10S	000239-35-0	96
2	Benzo[b]naphtho[2,3-d]thiophene	234	C16H10S	000243-46-9	94
3	Anthra(2,3-b)thiophene	234	C16H10S	022108-55-0	93
4	Benzo[b]naphtho[1,2-d]thiophene	234	C16H10S	000205-43-6	74
5	Quinoxalino[2,3-b]quinoxaline, 5...	234	C14H10N4	000531-46-4	58





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Data File : BP008774.D
Acq On : 12 Jan 2022 15:14
Operator : CG/JU
Sample : N1097-16
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
TP-3D

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP010622.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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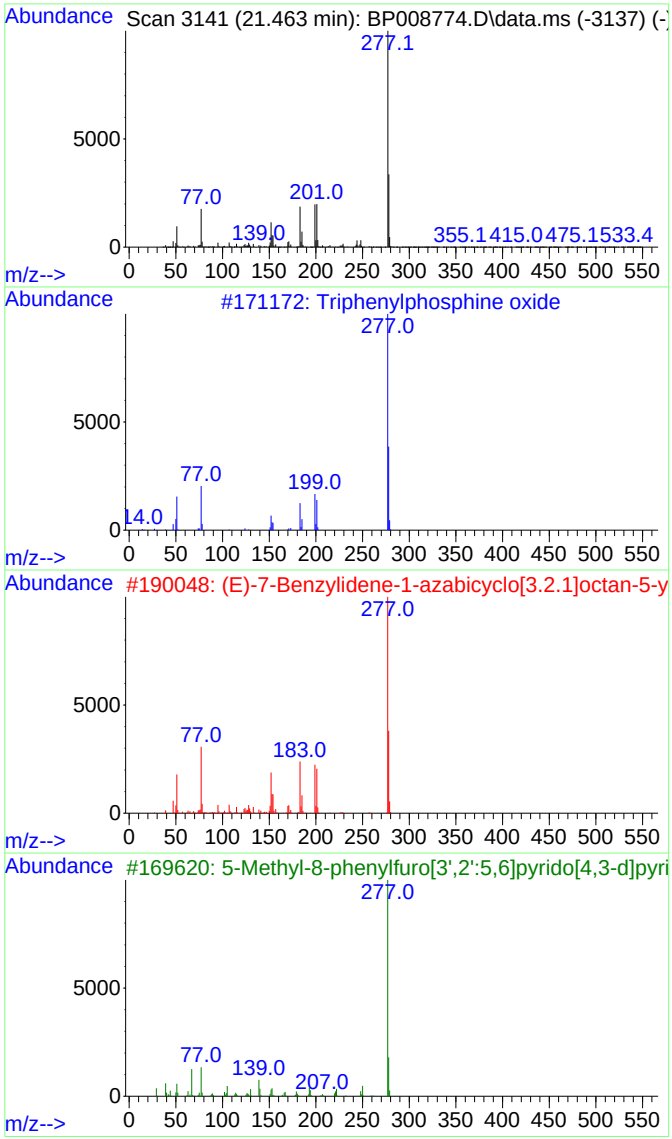
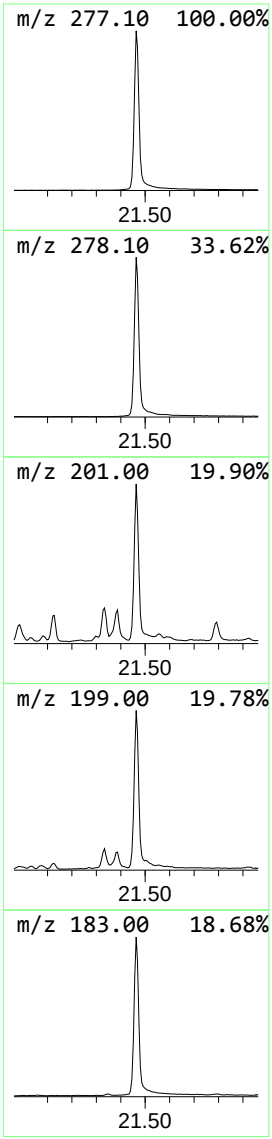
Peak Number 18 Triphenylphosphine oxide Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.463	7.28 ng	6844260	Chrysene-d12	21.345

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Triphenylphosphine oxide	278	C18H15OP	000791-28-6	92
2	(E)-7-Benzylidene-1-azabicyclo[3...	293	C15H19NO3S	1000483-83-4	91
3	5-Methyl-8-phenylfuro[3',2':5,6]...	277	C16H11N3O2	1000460-07-9	43
4	Pyridafol, TMS derivative	278	C13H15ClN2OSi	1000485-69-0	38
5	3-(3,4-Dichlorophenyl)-2-thioxo-...	277	C9H5Cl2NOS2	017046-34-3	32





Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP011222\
Data File : BP008774.D
Acq On : 12 Jan 2022 15:14
Operator : CG/JU
Sample : N1097-16
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
TP-3D

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP010622.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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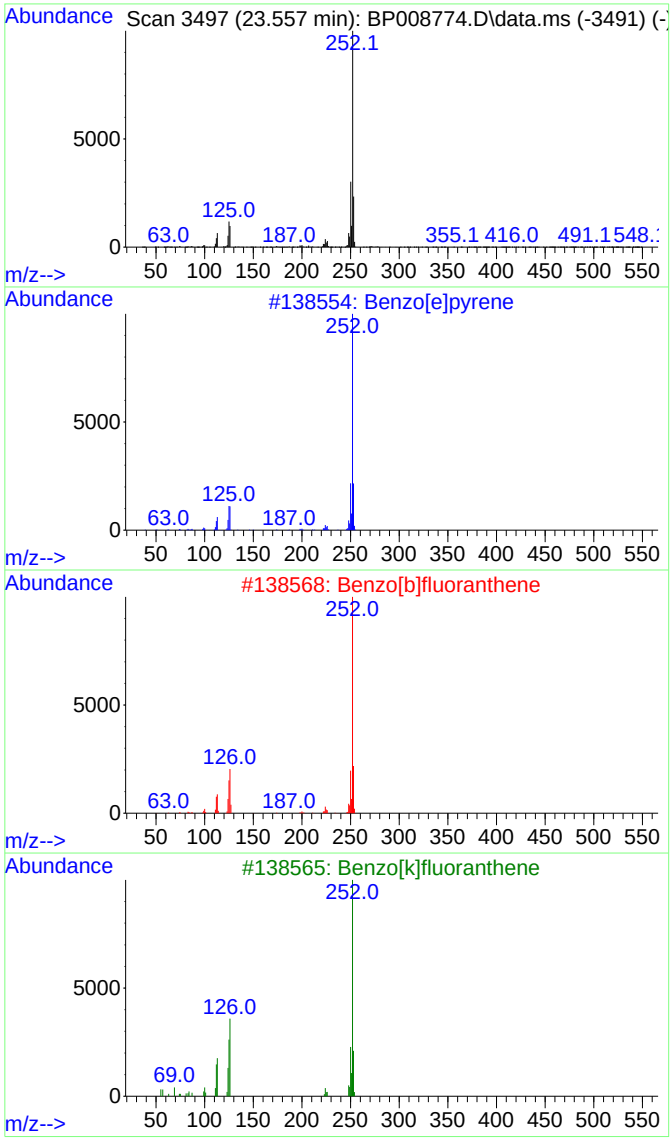
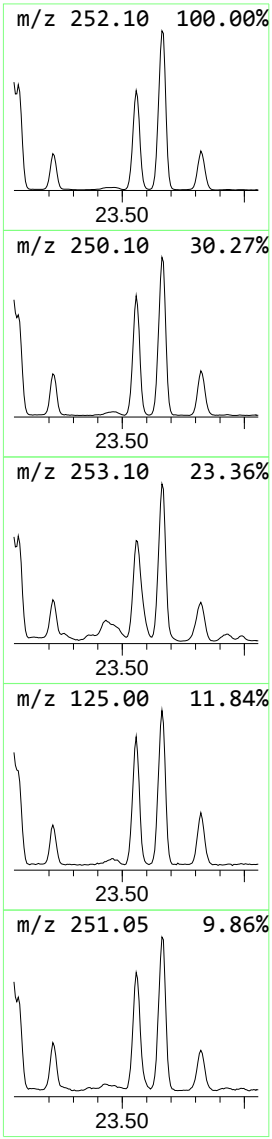
Peak Number 20 Benzo[e]pyrene Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
23.557	20.59 ng	5525100	Perylene-d12	23.769

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	98
2	Benzo[b]fluoranthene	252	C20H12	000205-99-2	95
3	Benzo[k]fluoranthene	252	C20H12	000207-08-9	94
4	Benzo[a]pyrene	252	C20H12	000050-32-8	94
5	Benzo[j]fluoranthene	252	C20H12	000205-82-3	94





Tentatively Identified Compound (LSC) summary

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP011222\
Data File : BP008774.D
Acq On : 12 Jan 2022 15:14
Operator : CG/JU
Sample : N1097-16
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
TP-3D

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP010622.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
Butane, 2-metho...	3.058	26.3	ng	3408280	1	7.863	2593130	20.0
Ethanol, 2-(2-b...	10.446	3.7	ng	685432	2	10.663	3696830	20.0
1H-Cyclopropa[l...	18.122	6.4	ng	1956360	4	17.257	6150830	20.0
Phenanthrene, 2...	18.169	10.5	ng	3241520	4	17.257	6150830	20.0
Phenanthrene, 1...	18.245	4.0	ng	1216710	4	17.257	6150830	20.0
Benzaldehyde, 3...	18.310	13.1	ng	4039690	4	17.257	6150830	20.0
Anthracene, 2-m...	18.345	4.6	ng	1414190	4	17.257	6150830	20.0
5,16[1',2']:8,1...	18.604	4.3	ng	1307120	4	17.257	6150830	20.0
9,10-Anthracene...	18.645	2.7	ng	838643	4	17.257	6150830	20.0
Phenanthrene, 2...	19.010	7.2	ng	2222230	4	17.257	6150830	20.0
unknown19.075	19.075	3.4	ng	1029420	4	17.257	6150830	20.0
Cyclopenta(def)...	19.145	5.6	ng	1721150	4	17.257	6150830	20.0
Pyrene, 1-methyl-	19.933	3.4	ng	3151420	5	21.345	18810200	20.0
11H-Benzo[b]flu...	20.104	3.8	ng	3610490	5	21.345	18810200	20.0
11H-Benzo[a]flu...	20.198	2.6	ng	2460710	5	21.345	18810200	20.0
Pyrene, 4-methyl-	20.257	3.2	ng	2986010	5	21.345	18810200	20.0
Benzo[b]naphtho...	20.998	2.7	ng	2527150	5	21.345	18810200	20.0
Triphenylphosph...	21.463	7.3	ng	6844260	5	21.345	18810200	20.0
Benzo[e]pyrene	23.557	20.6	ng	5525100	6	23.769	5365670	20.0