LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP110620\
Data File : BP003848.D
Acq On : 06 Nov 2020 19:40
Operator : CG/JU
Sample : L4656-08
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : SR-L14-L13-SOUTH

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

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

Signal : TIC: BP003848.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.952	5	11	30	rVB	7505913	11027355	52.29%	4.477%
2	3.105	30	37	48	rBV2	117095	299345	1.42%	0.122%
3	3.199	48	53	59	rBV	315644	456978	2.17%	0.186%
4	5.822	492	499	507	rBV	2479660	3763203	17.84%	1.528%
5	7.469	771	779	793	rBV	2428405	3960230	18.78%	1.608%
6	8.305	913	921	928	rBV	585853	932903	4.42%	0.379%
7	9.463	1108	1118	1126	rBV	1537216	2512674	11.91%	1.020%
8	11.134	1394	1402	1407	rBV	750545	1290903	6.12%	0.524%
9	11.181	1407	1410	1419	rVB	173842	281279	1.33%	0.114%
10	12.769	1671	1680	1686	rBV	145001	233059	1.11%	0.095%
11	12.981	1706	1716	1725	rVB	154013	248129	1.18%	0.101%
12	13.540	1804	1811	1818	rBV	3442871	5125626	24.30%	2.081%
13	14.240	1924	1930	1935	rBV	190275	318006	1.51%	0.129%
14	14.340	1943	1947	1954	rVB	477598	627098	2.97%	0.255%
15	14.916	2040	2045	2051	rVB	1131488	1586086	7.52%	0.644%
16	14.981	2051	2056	2061	rBV	955693	1339301	6.35%	0.544%
17	15.222	2087	2097	2105	rVV2	134315	261388	1.24%	0.106%
18	15.310	2105	2112	2118	rVB	459280	709495	3.36%	0.288%
19	15.951	2215	2221	2231	rVB	1252353	1800973	8.54%	0.731%
20	16.116	2245	2249	2255	rVB3	156705	295813	1.40%	0.120%
21	16.245	2266	2271	2279	rVB	271645	474644	2.25%	0.193%
22	16.392	2288	2296	2303	rBV	2948958	4286842	20.33%	1.740%
23	16.951	2381	2391	2396	rBV3	294798	657644	3.12%	0.267%
24	16.998	2396	2399	2406	rVB3	201130	324257	1.54%	0.132%
25	17.104	2413	2417	2421	rVB2	199989	303547	1.44%	0.123%
26	17.181	2422	2430	2433	rBV2	154431	350751	1.66%	0.142%
27	17.381	2458	2464	2466	rBV3	177723	331998	1.57%	0.135%
28	17.463	2473	2478	2487	rVB	726828	1035472	4.91%	0.420%
29	17.645	2503	2509	2512	rBV	1201956	1889756	8.96%	0.767%
30	17.692	2512	2517	2523	rVV	10947482	15660671	74.26%	6.358%
31	17.775	2526	2531	2536	rVV	3500392	4924505	23.35%	1.999%
32	17.828	2536	2540	2546	rVB2	359945	542771	2.57%	0.220%
33	18.022	2565	2573	2578	rBV2	724276	1253712	5.94%	0.509%
34	18.145	2590	2594	2597	rVB	212971	265423	1.26%	0.108%
35	18.210	2601	2605	2609	rVV	249185	302532	1.43%	0.123%
36	18.345	2624	2628	2636	rBV	198500	343228	1.63%	0.139%

LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP110620\
Data File : BP003848.D
Acq On : 06 Nov 2020 19:40
Operator : CG/JU
Sample : L4656-08
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : SR-L14-L13-SOUTH

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

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

37	18.492	2647	2653	2657	rBV	1582091	2280874	10.81%	0.926%
38	18.539	2657	2661	2666	rVB	1904798	2555227	12.12%	1.037%
39	18.610	2667	2673	2678	rBV	904928	1340244	6.35%	0.544%
40	18.686	2679	2686	2689	rBV2	2309489	4317565	20.47%	1.753%
41	18.957	2727	2732	2735	rBV	1076801	1354697	6.42%	0.550%
42	18.992	2735	2738	2742	rVB	195515	230377	1.09%	0.094%
43	19.198	2769	2773	2777	rVB	392567	494970	2.35%	0.201%
44	19.251	2778	2782	2785	rBV	273973	342943	1.63%	0.139%
45	19.280	2785	2787	2792	rVB	275443	345456	1.64%	0.140%
46	19.363	2795	2801	2806	rBV	804169	1436754	6.81%	0.583%
47	19.428	2806	2812	2820	rVB4	489310	1362307	6.46%	0.553%
48	19.498	2820	2824	2827	rBV	353648	555309	2.63%	0.225%
49	19.628	2838	2846	2850	rBV	14372139	20348499	96.48%	8.261%
50	19.663	2850	2852	2855	rVV2	285810	321938	1.53%	0.131%
51	19.704	2855	2859	2863	rVB3	327627	461638	2.19%	0.187%
52	19.851	2880	2884	2891	rVV	655673	1094207	5.19%	0.444%
53	19.975	2894	2905	2911	rVV	12463210	21090283	100.00%	8.562%
54	20.028	2911	2914	2921	rVB3	615620	896340	4.25%	0.364%
55	20.133	2927	2932	2937	rVB2	5138471	6689662	31.72%	2.716%
56	20.192	2937	2942	2948	rVB	664794	969199	4.60%	0.393%
57	20.275	2949	2956	2961	rBV3	818821	1937412	9.19%	0.787%
58	20.316	2961	2963	2967	rVB	221857	249621	1.18%	0.101%
59	20.433	2968	2983	2988	rBV	2386579	4358564	20.67%	1.769%
60	20.527	2995	2999	3003	rBV	1870136	2520621	11.95%	1.023%
61	20.592	3004	3010	3013	rVV2	1071514	1623995	7.70%	0.659%
62	20.727	3029	3033	3036	rBV	761539	959937	4.55%	0.390%
63	20.769	3036	3040	3048	rVB	835459	1157614	5.49%	0.470%
64	21.004	3076	3080	3082	rBV2	268799	392733	1.86%	0.159%
65	21.027	3082	3084	3089	rVB2	253323	369248	1.75%	0.150%
66	21.110	3095	3098	3102	rBV3	298194	512214	2.43%	0.208%
67	21.157	3102	3106	3112	rVB4	503680	864757	4.10%	0.351%
68	21.316	3127	3133	3136	rBV2	1942926	2807566	13.31%	1.140%
69	21.351	3136	3139	3143	rVV	1173260	1464936	6.95%	0.595%
70	21.398	3143	3147	3150	rVV	1463410	1788977	8.48%	0.726%
71	21.433	3150	3153	3157	rVB2	358837	436376	2.07%	0.177%
72	21.551	3170	3173	3181	rVB	298985	462139	2.19%	0.188%
73	21.622	3182	3185	3186	rVV	307541	373562	1.77%	0.152%
74	21.657	3186	3191	3196	rVV2	8210796	13338266	63.24%	5.415%
75	21.716	3196	3201	3209	rVB	6432602	9700890	46.00%	3.938%
76	21.839	3218	3222	3227	rBV	1167003	1714585	8.13%	0.696%

LSC Area Percent Report

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Acq On : 06 Nov 2020 19:40
Operator : CG/JU
Sample : L4656-08
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : SR-L14-L13-SOUTH

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

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

77	21.933	3235	3238	3244	rVB2	570755	869570	4.12%	0.353%
78	21.998	3245	3249	3256	rVB2	791343	1301648	6.17%	0.528%
79	22.257	3286	3293	3298	rBV	1066347	2005973	9.51%	0.814%
80	22.316	3300	3303	3308	rVB	622518	861303	4.08%	0.350%
81	22.380	3311	3314	3318	rVV2	377157	539380	2.56%	0.219%
82	22.433	3319	3323	3327	rVV3	496762	811910	3.85%	0.330%
83	22.486	3327	3332	3335	rVV2	670860	1171488	5.55%	0.476%
84	22.522	3335	3338	3343	rVV	512343	733584	3.48%	0.298%
85	22.580	3344	3348	3354	rVB4	452591	745280	3.53%	0.303%
86	23.116	3435	3439	3444	rVB	356529	598150	2.84%	0.243%
87	23.292	3466	3469	3474	rVB2	273808	396196	1.88%	0.161%
88	23.404	3480	3488	3493	rBV	4337182	11196597	53.09%	4.546%
89	23.586	3514	3519	3525	rVB	967747	1717814	8.15%	0.697%
90	23.733	3540	3544	3552	rVB3	247055	639697	3.03%	0.260%
91	23.939	3572	3579	3589	rVB	3012148	6552148	31.07%	2.660%
92	24.051	3590	3598	3606	rVV	4460465	9056331	42.94%	3.677%
93	24.151	3609	3615	3619	rVV	897515	1923519	9.12%	0.781%
94	24.210	3619	3625	3632	rVB	1367638	2970175	14.08%	1.206%
95	25.139	3779	3783	3794	rVB4	324093	769603	3.65%	0.312%
96	26.715	4040	4051	4060	rVB2	2061918	6533355	30.98%	2.652%
97	26.986	4092	4097	4106	rVB2	429344	1126326	5.34%	0.457%
98	27.092	4110	4115	4121	rVV	199990	515182	2.44%	0.209%
99	27.509	4175	4186	4205	rVB	1552934	5644515	26.76%	2.292%
100	27.909	4246	4254	4273	rVB2	547604	2096393	9.94%	0.851%

Sum of corrected areas: 246316236

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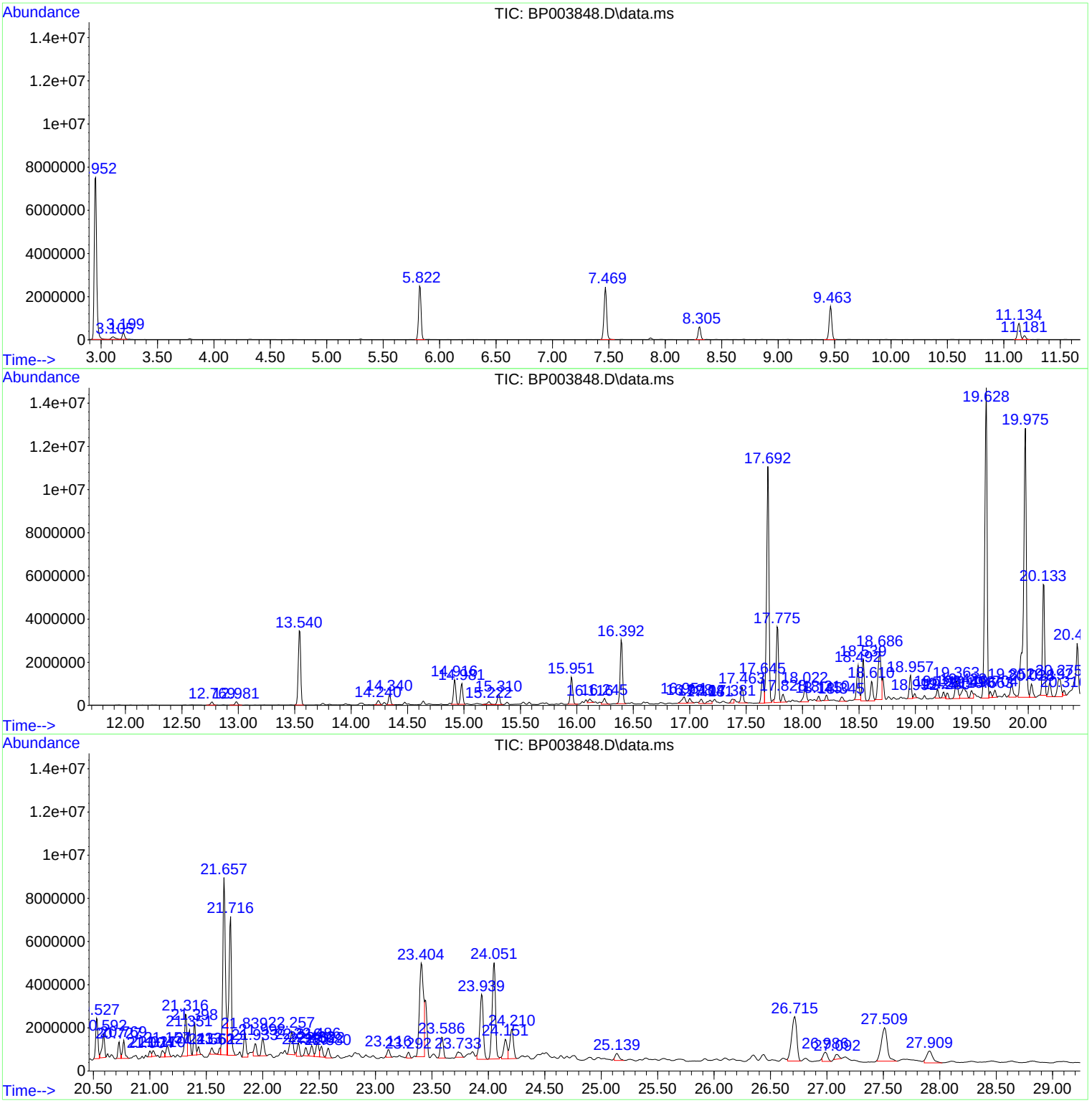
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
SR-L14-L13-SOUTH

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-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\BP110620\
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Instrument : BNA_P
ClientSampleId : SR-L14-L13-SOUTH

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

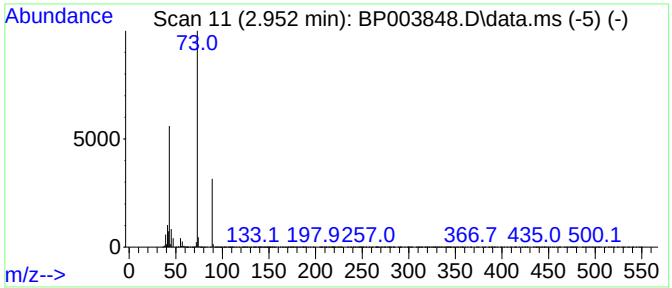
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

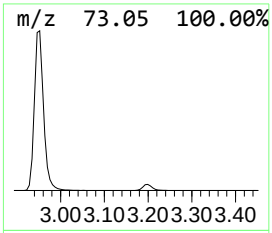
****

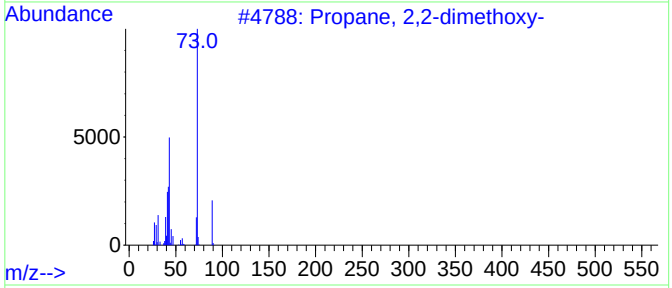
Peak Number 1 unknown2.952 Concentration Rank 1

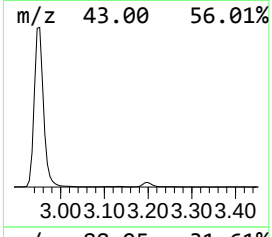
R.T.	EstConc	Area	Relative to ISTD	R.T.
2.952	236.41 ng	11027400	1,4-Dichlorobenzene-d4	8.305

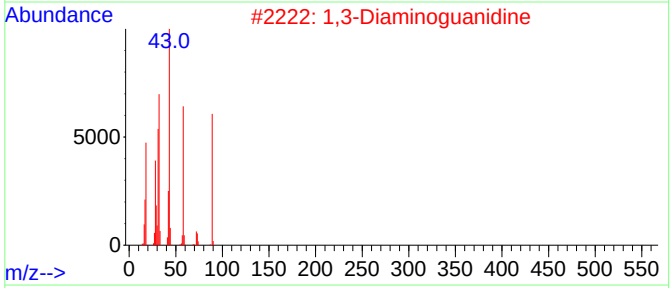
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Propane, 2,2-dimethoxy-	104	C5H12O2	000077-76-9	38
2	1,3-Diaminoguanidine	89	CH7N5	004364-78-7	9
3	1,3-Dioxolane, 2-(3-bromo-5,5,5-...	352	C10H16BrCl3O2	1000115-31-4	9
4	Propane, 2-methoxy-2-methyl-	88	C5H12O	001634-04-4	9
5	2-Hydroxy-2-methylbutyric acid	118	C5H10O3	003739-30-8	9

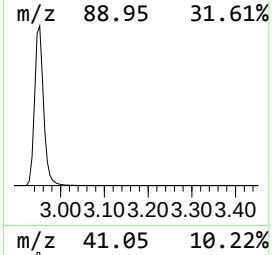


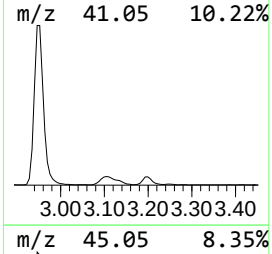


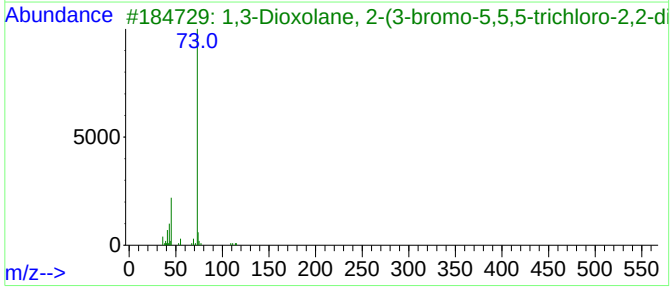


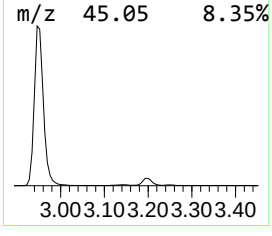












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Acq On : 06 Nov 2020 19:40
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Sample : L4656-08
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : SR-L14-L13-SOUTH

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

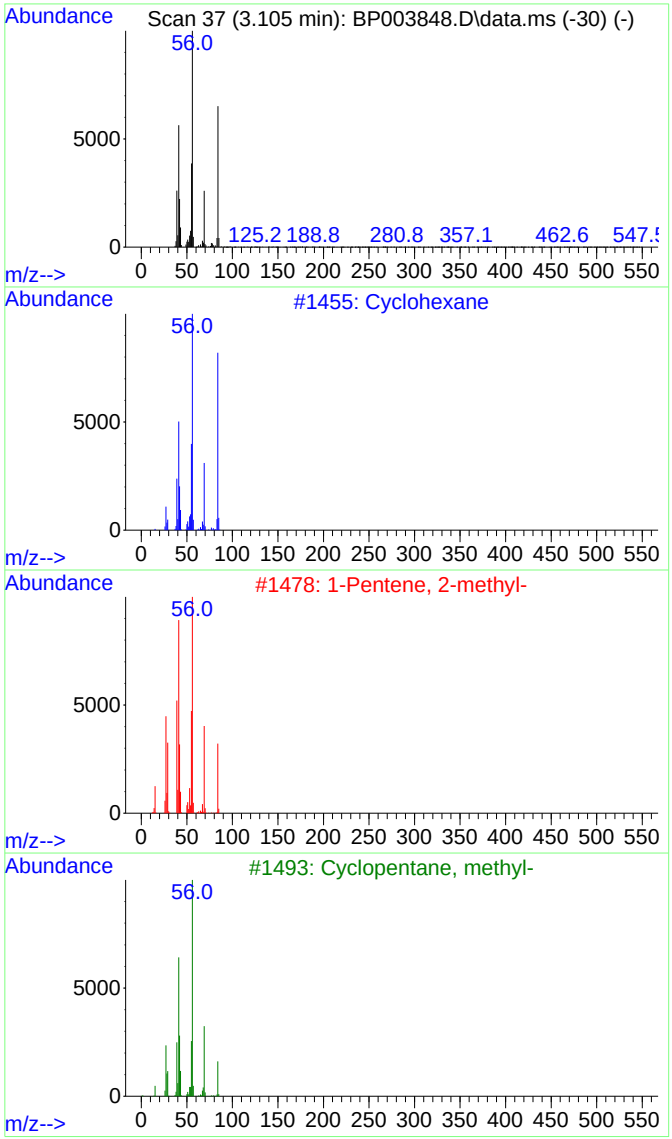
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

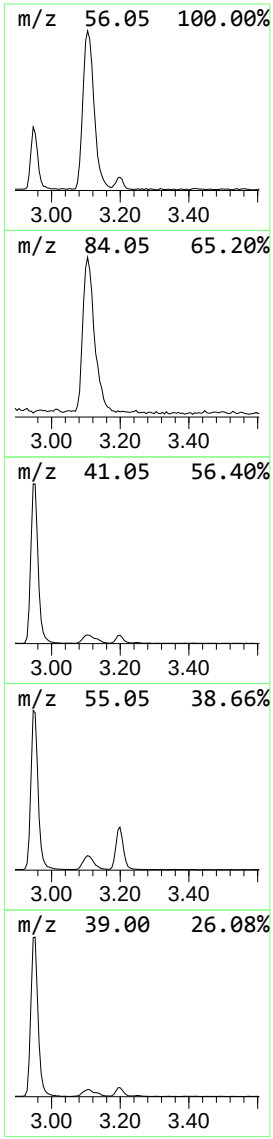
****

Peak Number 2 Cyclohexane Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.105	6.42 ng	299345	1,4-Dichlorobenzene-d4	8.305

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane	84	C6H12	000110-82-7	94
2	1-Pentene, 2-methyl-	84	C6H12	000763-29-1	64
3	Cyclopentane, methyl-	84	C6H12	000096-37-7	53
4	1-Hexene, 3,4-dimethyl-	112	C8H16	016745-94-1	50
5	1-Hexene, 5-methyl-	98	C7H14	003524-73-0	47





Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP110620\
Data File : BP003848.D
Acq On : 06 Nov 2020 19:40
Operator : CG/JU
Sample : L4656-08
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Instrument :
BNA_P
ClientSampleId :
SR-L14-L13-SOUTH

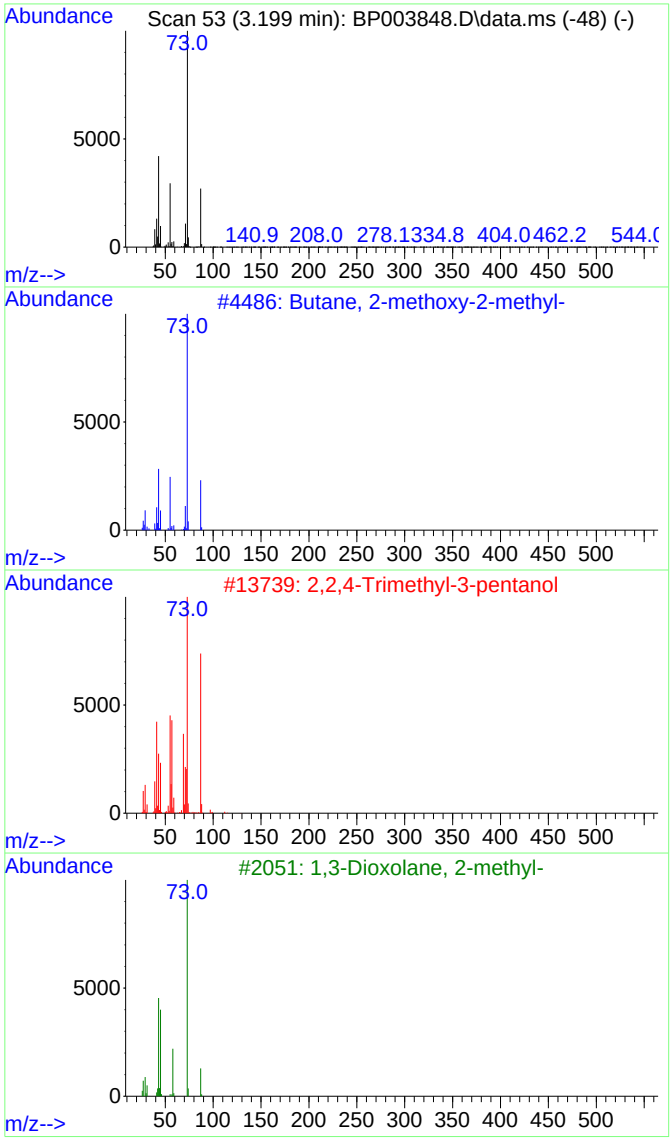
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP110320.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

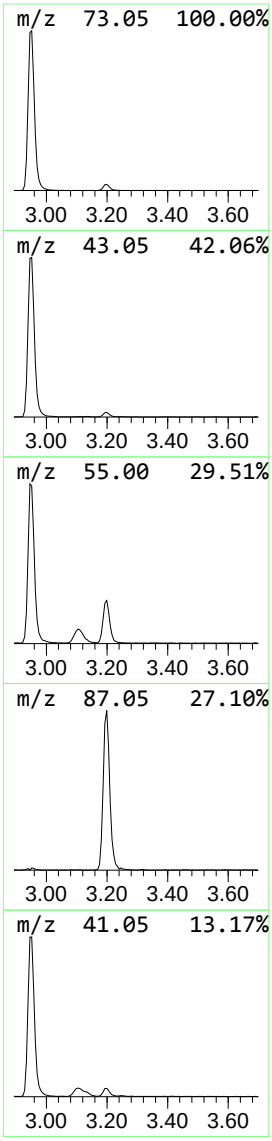
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 3 Butane, 2-methoxy-2-methyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.199	9.80 ng	456978	1,4-Dichlorobenzene-d4	8.305

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	40
3	1,3-Dioxolane, 2-methyl-	88	C4H8O2	000497-26-7	32
4	Silane, tetramethyl-	88	C4H12Si	000075-76-3	17
5	Acetamide, N-ethyl-	87	C4H9NO	000625-50-3	12





Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP110620\
Data File : BP003848.D
Acq On : 06 Nov 2020 19:40
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Sample : L4656-08
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
SR-L14-L13-SOUTH

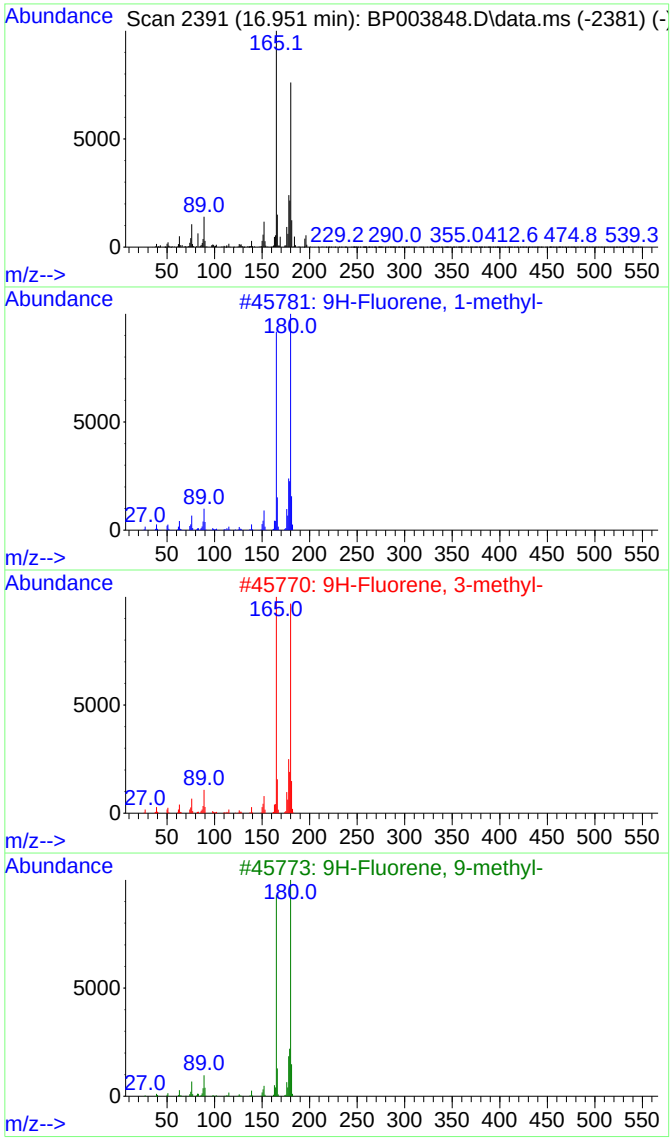
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP110320.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

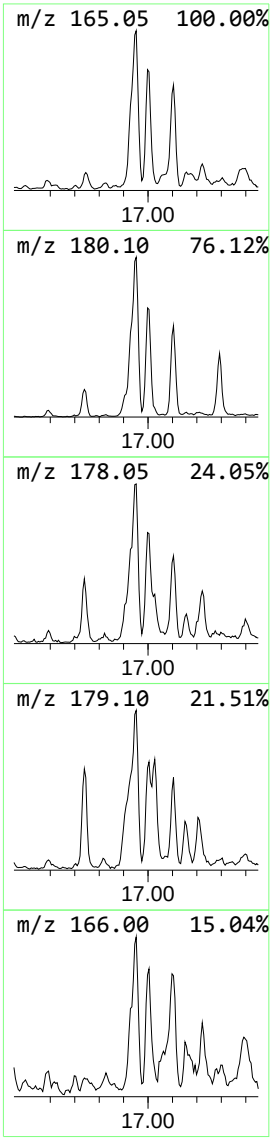
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 4 9H-Fluorene, 1-methyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.951	6.96 ng	657644	Phenanthrene-d10	17.645

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	96
2	9H-Fluorene, 3-methyl-	180	C14H12	002523-39-9	96
3	9H-Fluorene, 9-methyl-	180	C14H12	002523-37-7	93
4	9H-Fluorene, 2-methyl-	180	C14H12	001430-97-3	92
5	9H-Fluorene, 4-methyl-	180	C14H12	001556-99-6	72





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Acq On : 06 Nov 2020 19:40
Operator : CG/JU
Sample : L4656-08
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : SR-L14-L13-SOUTH

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-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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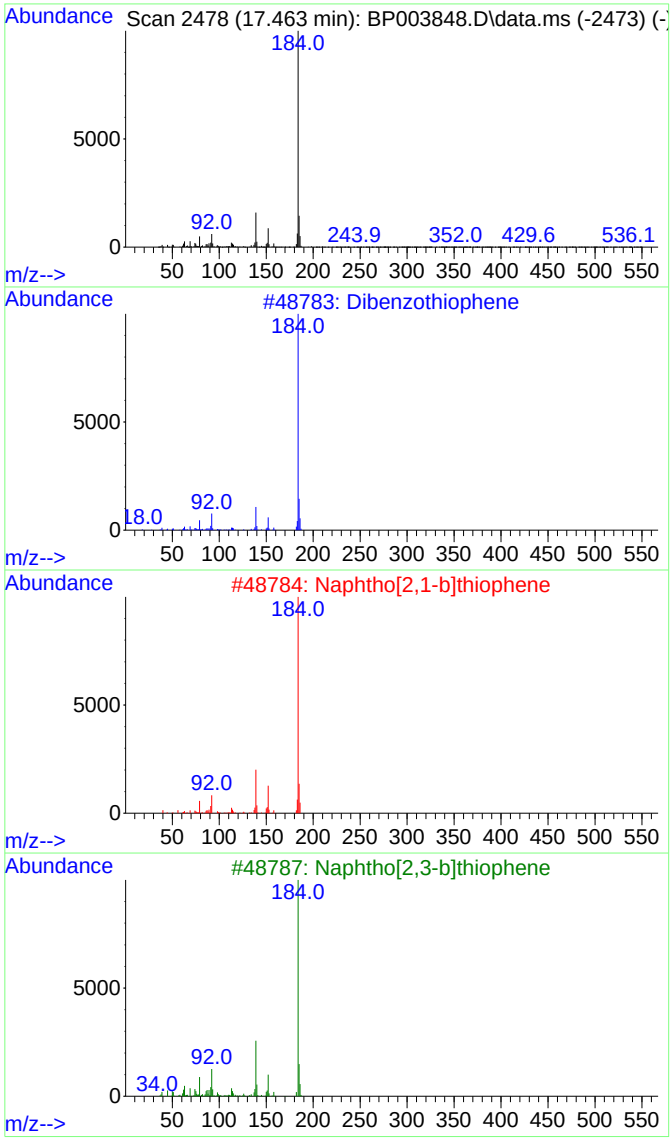
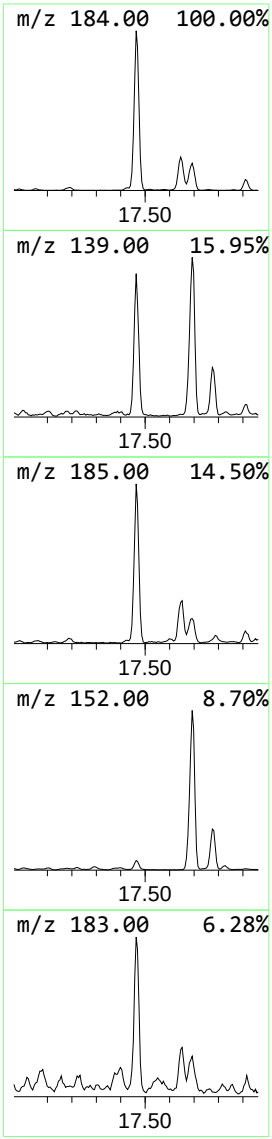
Peak Number 5 Dibenzothiophene Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.463	10.96 ng	1035470	Phenanthrene-d10	17.645

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	91





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Operator : CG/JU
Sample : L4656-08
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : SR-L14-L13-SOUTH

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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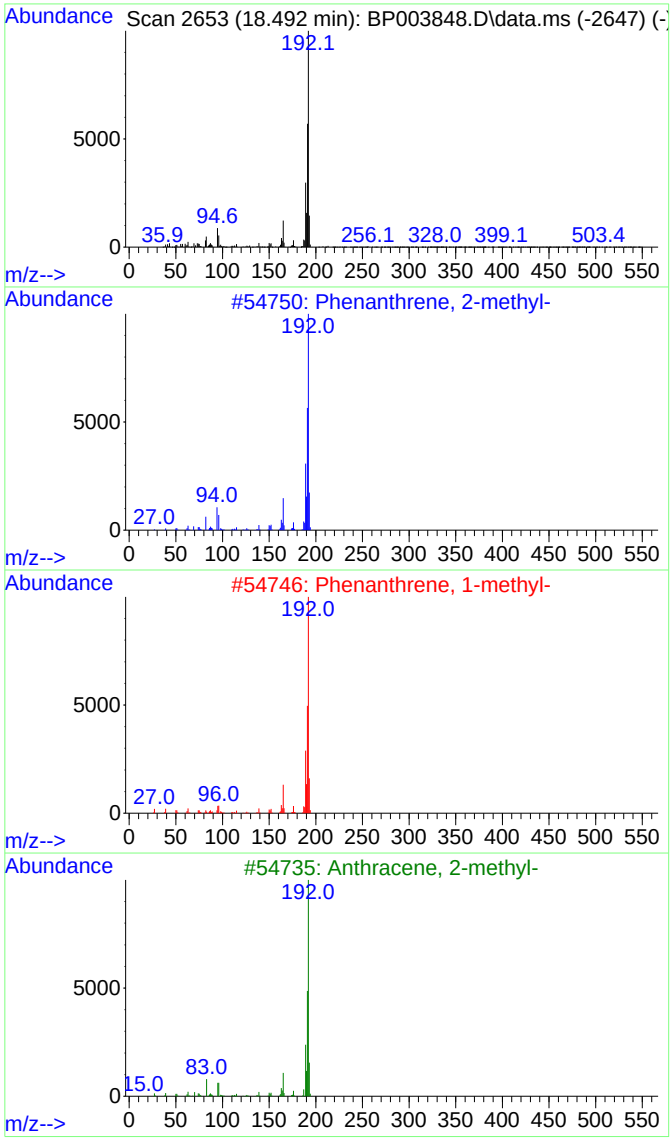
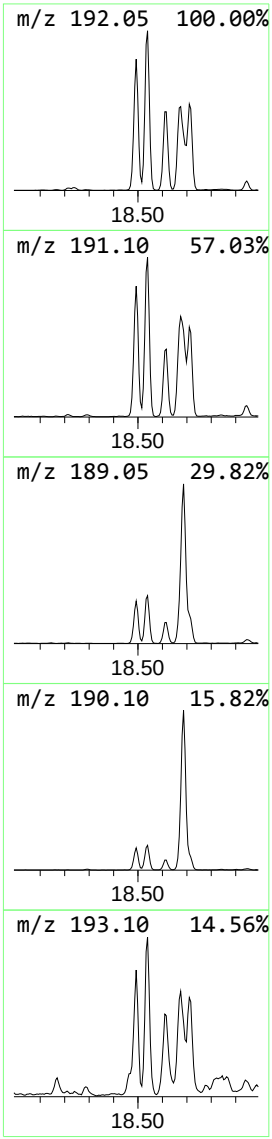
Peak Number 6 Phenanthrene, 2-methyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.492	24.14 ng	2280870	Phenanthrene-d10	17.645

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





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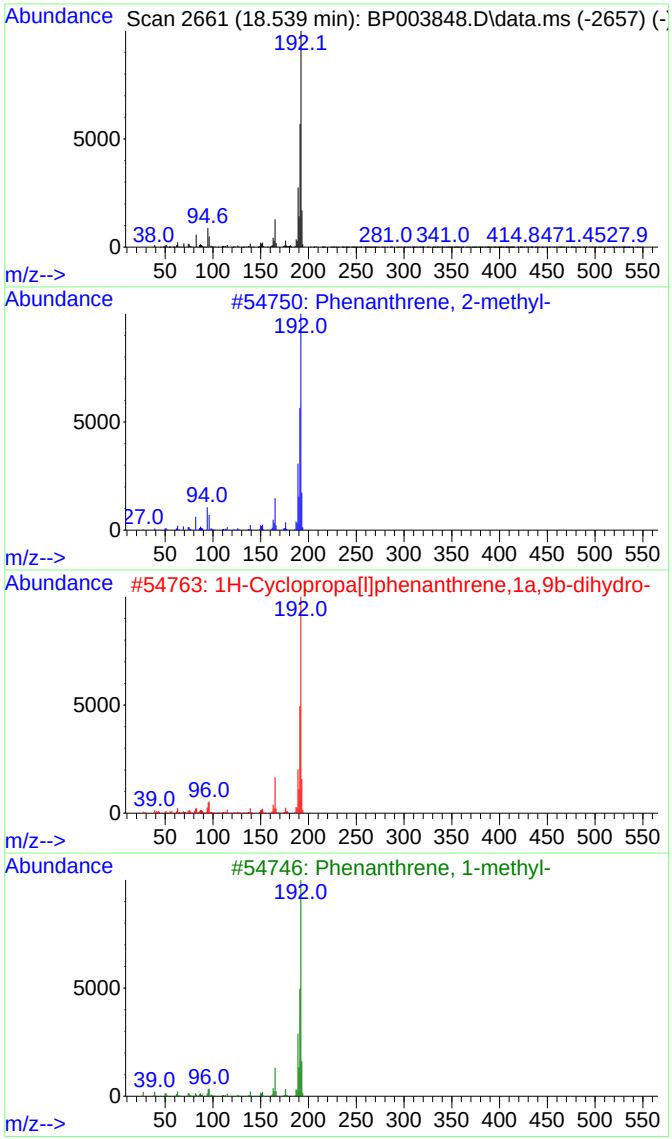
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

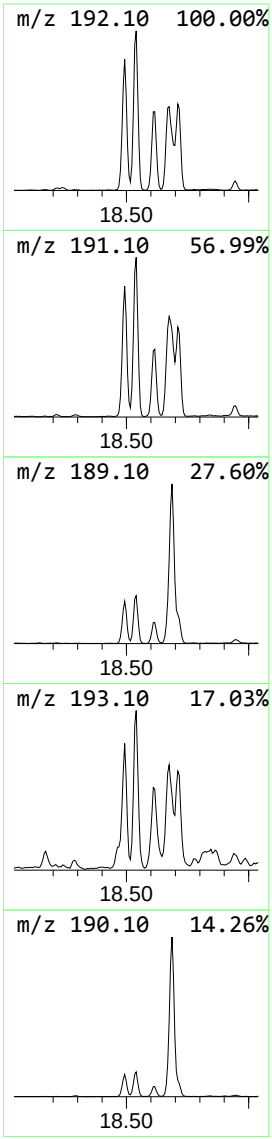
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 7 1H-Cyclopropa[l]phenanthren... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.539	27.04 ng	2555230	Phenanthrene-d10	17.645

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	98
2	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	96
3	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	96
4	Anthracene, 2-methyl-	192	C15H12	000613-12-7	95
5	1H-Indene, 1-phenyl-	192	C15H12	001961-96-2	94





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Operator : CG/JU
Sample : L4656-08
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : SR-L14-L13-SOUTH

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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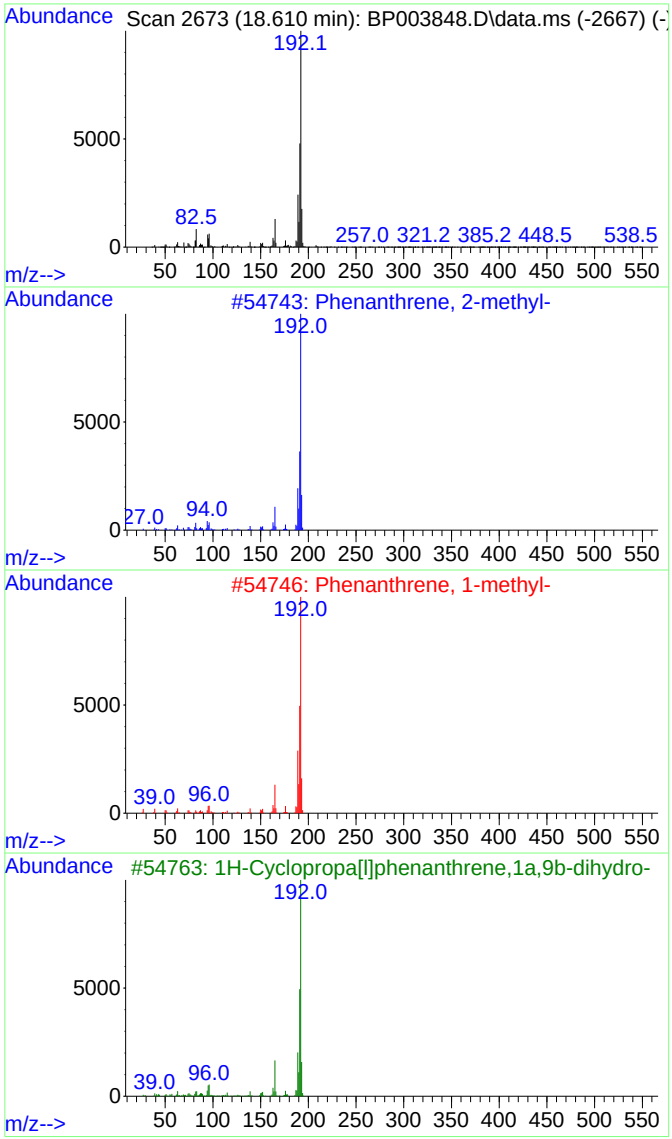
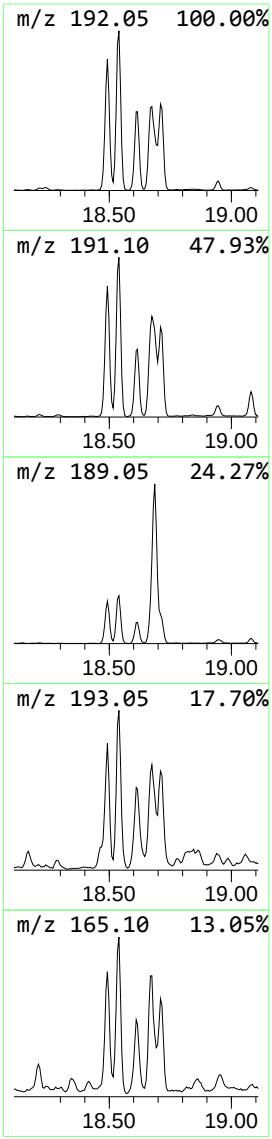
Peak Number 8 Phenanthrene, 1-methyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.610	14.18 ng	1340240	Phenanthrene-d10	17.645

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	97
4	Anthracene, 9-methyl-	192	C15H12	000779-02-2	95
5	Anthracene, 2-methyl-	192	C15H12	000613-12-7	95





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Sample : L4656-08
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
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ClientSampleId :
SR-L14-L13-SOUTH

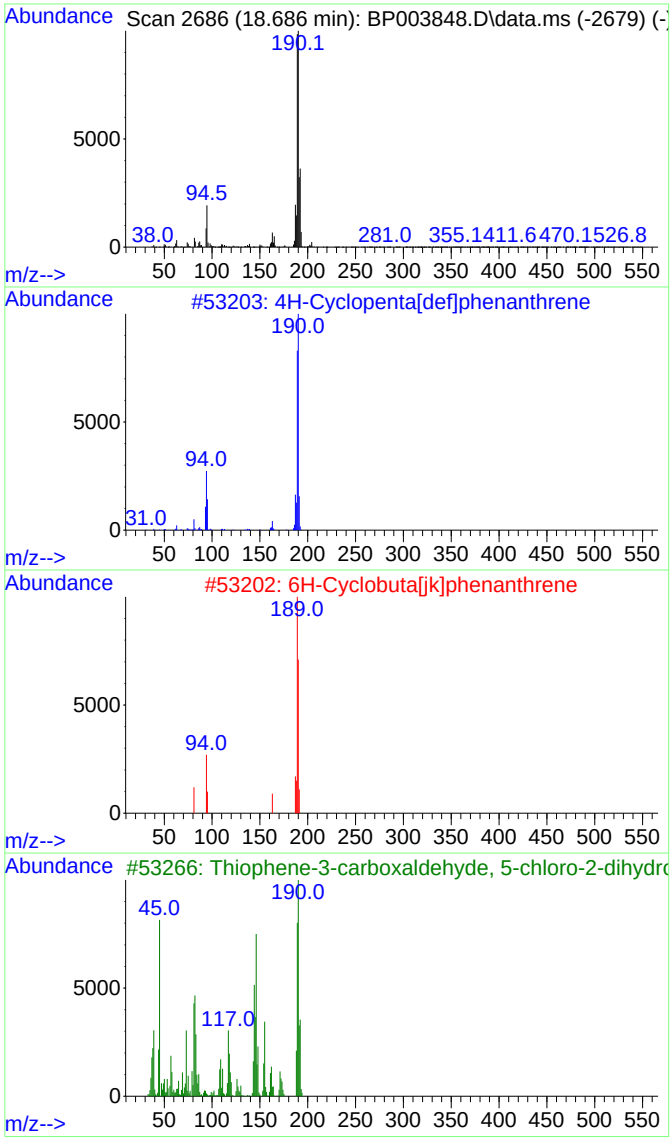
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP110320.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

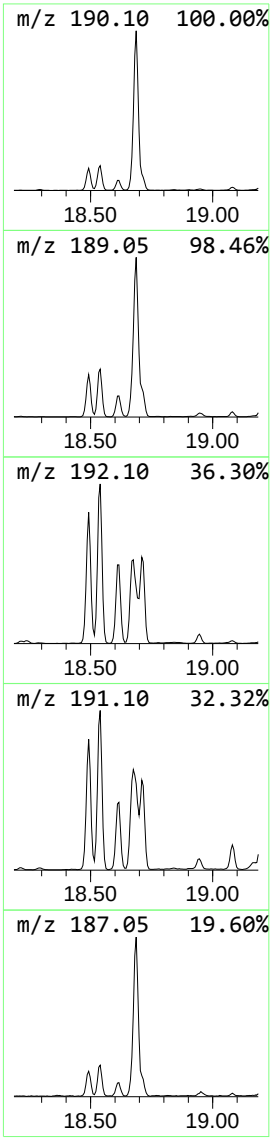
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 9 4H-Cyclopenta[def]phenanthrene Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.686	45.69 ng	4317570	Phenanthrene-d10	17.645

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	64
3	Thiophene-3-carboxaldehyde, 5-ch...	190	C5H4BClO3S	036155-87-0	52
4	2,3,5,6-Tetramethylterephthalald...	190	C12H14O2	007072-01-7	50
5	Methyl diselenide	190	C2H6Se2	007101-31-7	49





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Sample : L4656-08
Misc :
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ClientSampleId :
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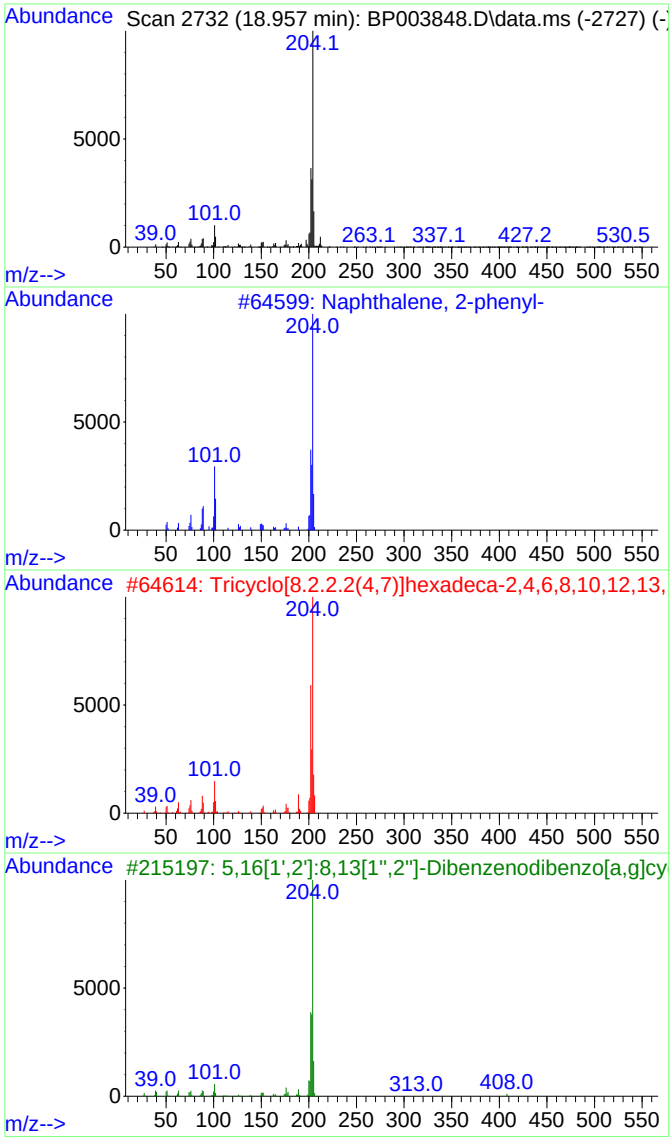
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

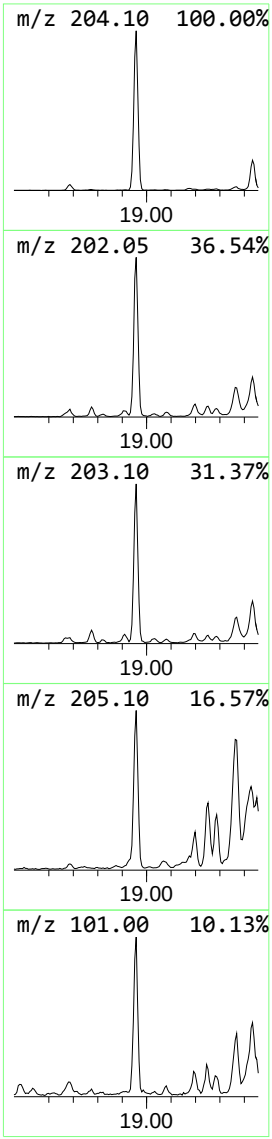
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 10 Naphthalene, 2-phenyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.957	14.34 ng	1354700	Phenanthrene-d10	17.645

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	89
2	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	81
3	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	78
4	Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	60
5	Benzene, 1,1'-(1-buten-3-yne-1,4...	204	C16H12	013141-45-2	58





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Operator : CG/JU
Sample : L4656-08
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : SR-L14-L13-SOUTH

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

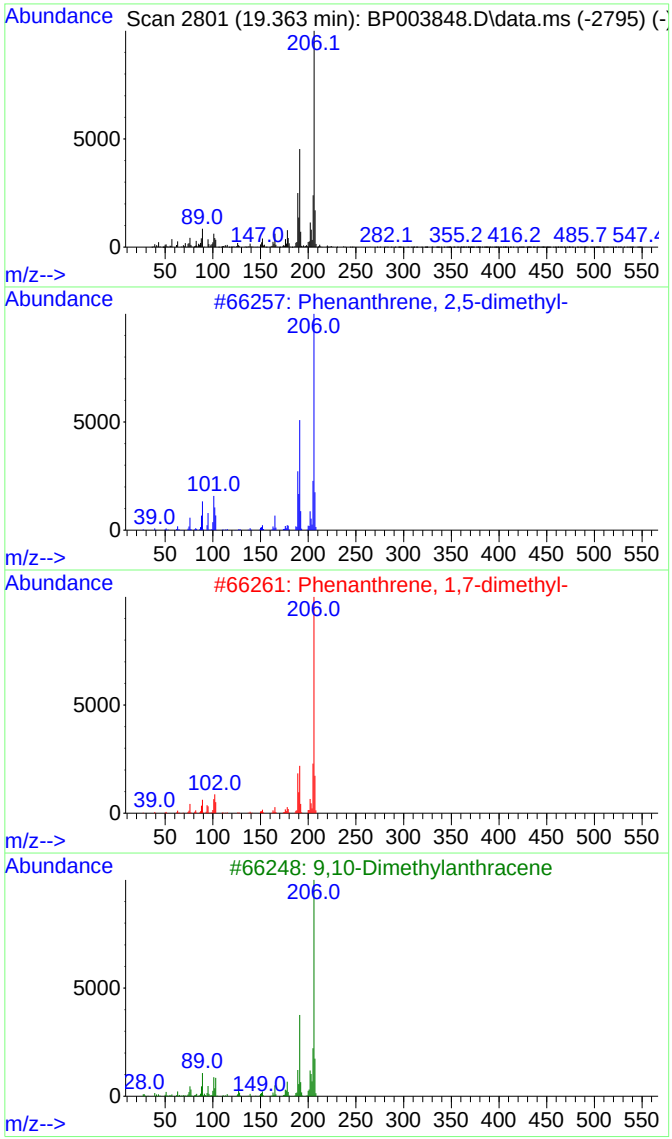
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

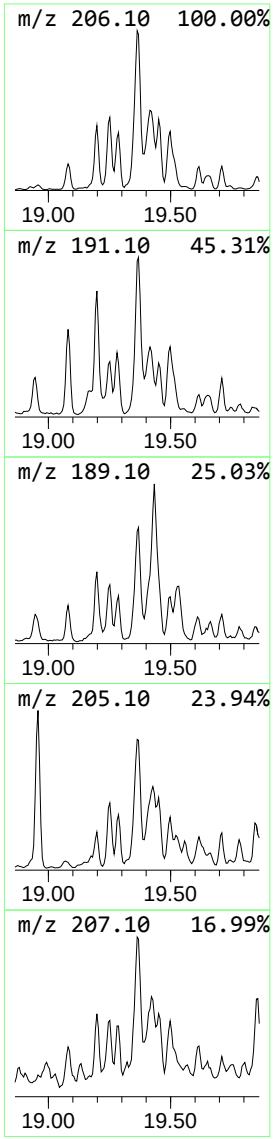
****

Peak Number 11 Phenanthrene, 2,5-dimethyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.363	15.21 ng	1436750	Phenanthrene-d10	17.645

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	97
2	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	93
3	9,10-Dimethylanthracene	206	C16H14	000781-43-1	91
4	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	91
5	di-p-Tolylacetylene	206	C16H14	002789-88-0	91





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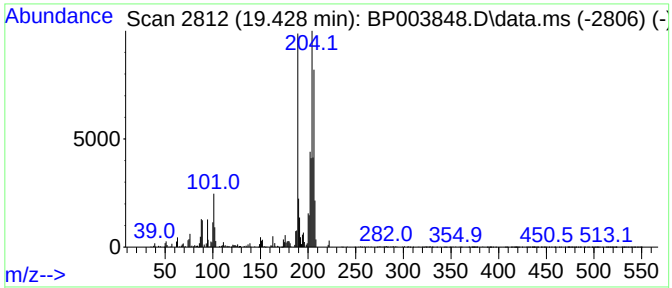
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

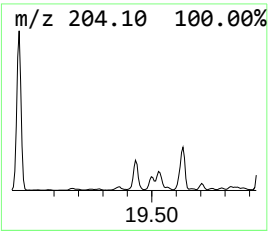
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

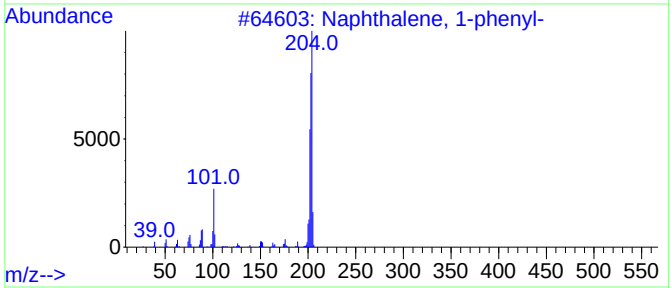
****
Peak Number 12 unknown19.427 Concentration Rank 10

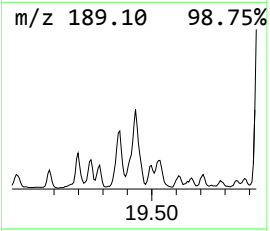
R.T.	EstConc	Area	Relative to ISTD	R.T.
19.427	14.42 ng	1362310	Phenanthrene-d10	17.645

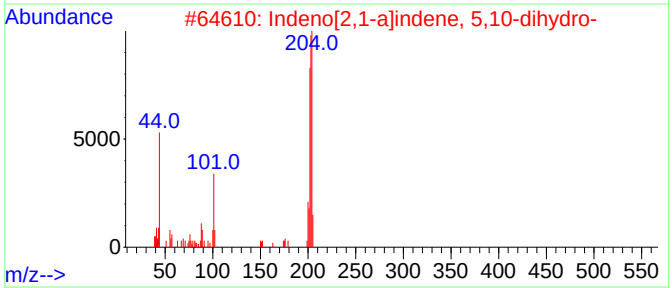
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	44
2	Indeno[2,1-a]indene, 5,10-dihydro-	204	C16H12	006543-29-9	41
3	Pyrene, 4,5,9,10-tetrahydro-	206	C16H14	000781-17-9	38
4	Acephenanthrylene, 4,5-dihydro-	204	C16H12	006232-48-0	38
5	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	38

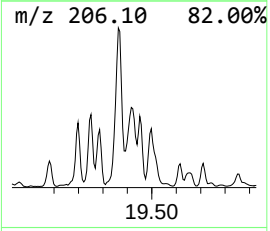


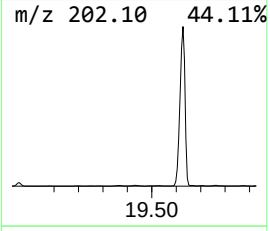


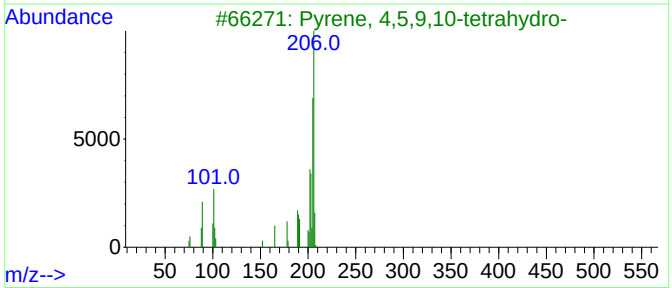


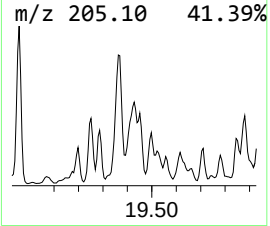












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Sample : L4656-08
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : SR-L14-L13-SOUTH

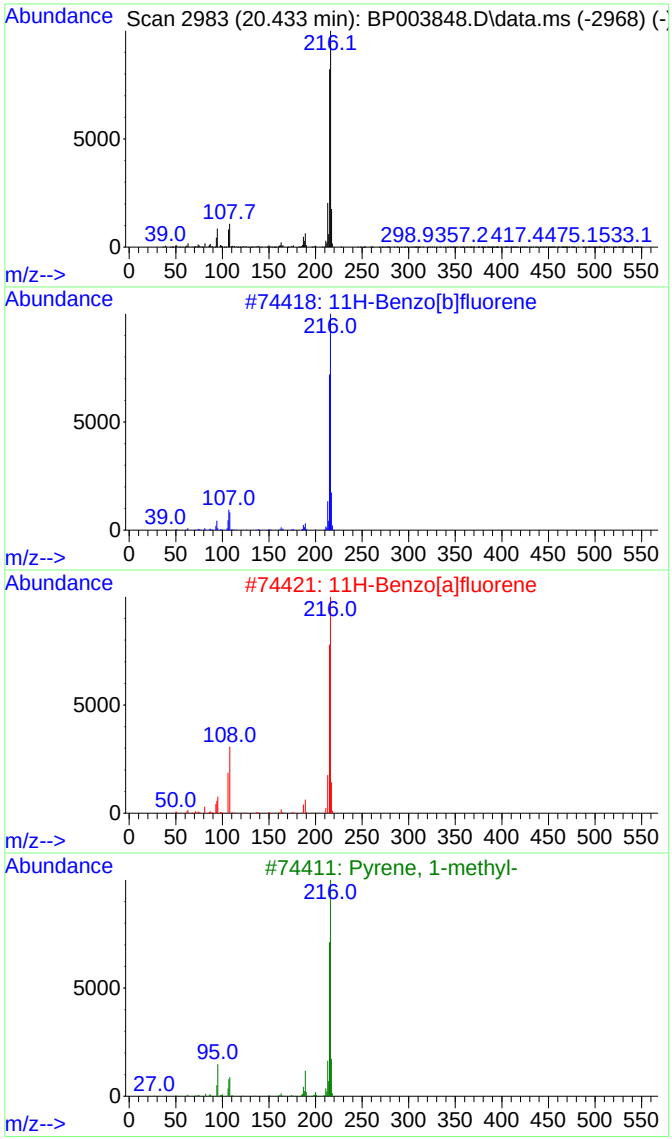
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP110320.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

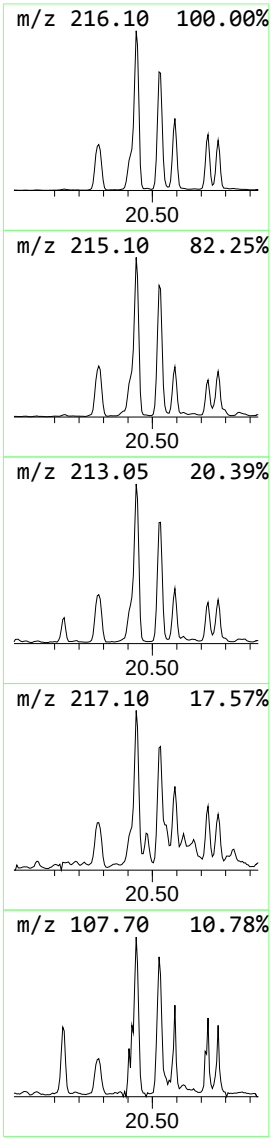
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 13 11H-Benzo[b]fluorene Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.433	6.54 ng	4358560	Chrysene-d12	21.674

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	95
3	Pyrene, 1-methyl-	216	C17H12	002381-21-7	93
4	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	91
5	Pyrene, 2-methyl-	216	C17H12	003442-78-2	91





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Acq On : 06 Nov 2020 19:40
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Sample : L4656-08
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : SR-L14-L13-SOUTH

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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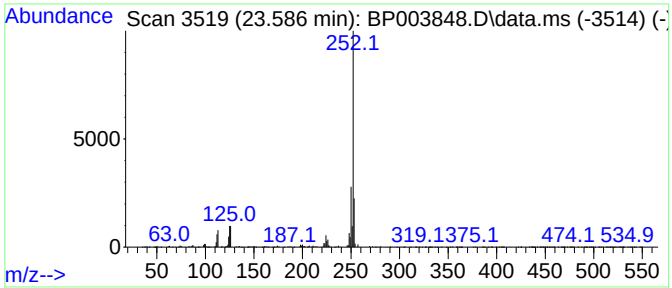
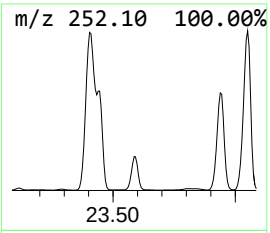
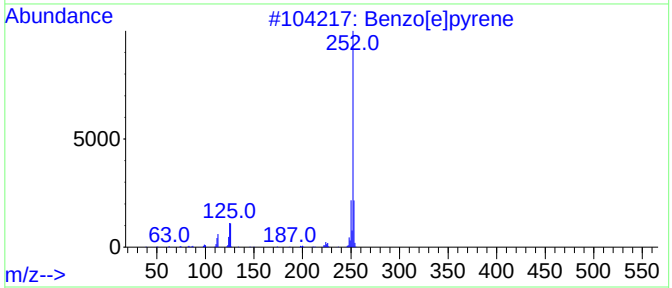
Peak Number 14 Benzo[e]pyrene Concentration Rank 8

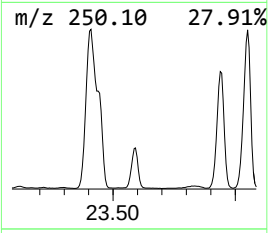
R.T.	EstConc	Area	Relative to ISTD	R.T.
23.586	17.86 ng	1717810	Perylene-d12	24.151

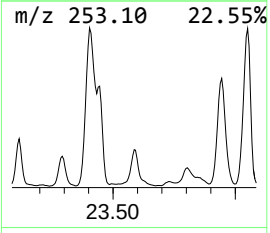
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	96
2	Benzo[k]fluoranthene	252	C20H12	000207-08-9	95
3	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	93
4	Benzo[a]pyrene	252	C20H12	000050-32-8	90
5	Benzo[j]fluoranthene	252	C20H12	000205-82-3	86

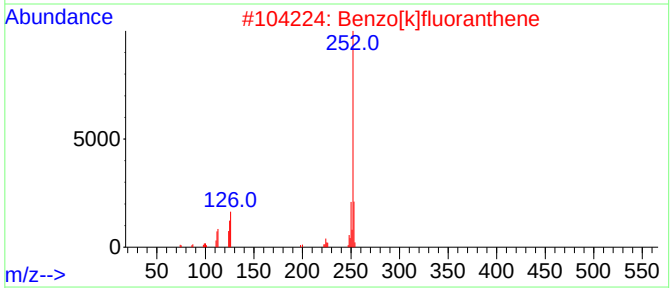


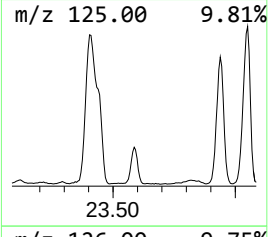


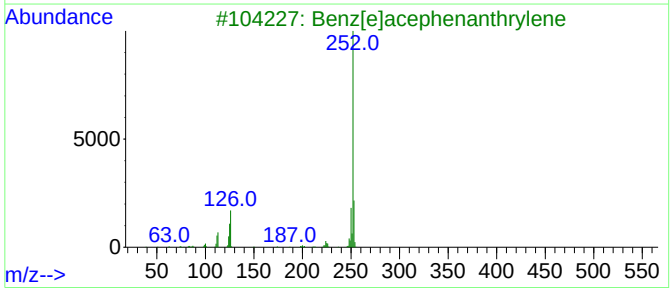


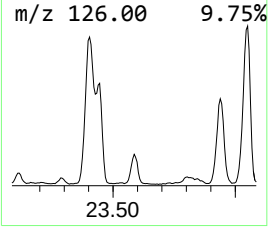












Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP110620\
Data File : BP003848.D
Acq On : 06 Nov 2020 19:40
Operator : CG/JU
Sample : L4656-08
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : SR-L14-L13-SOUTH

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-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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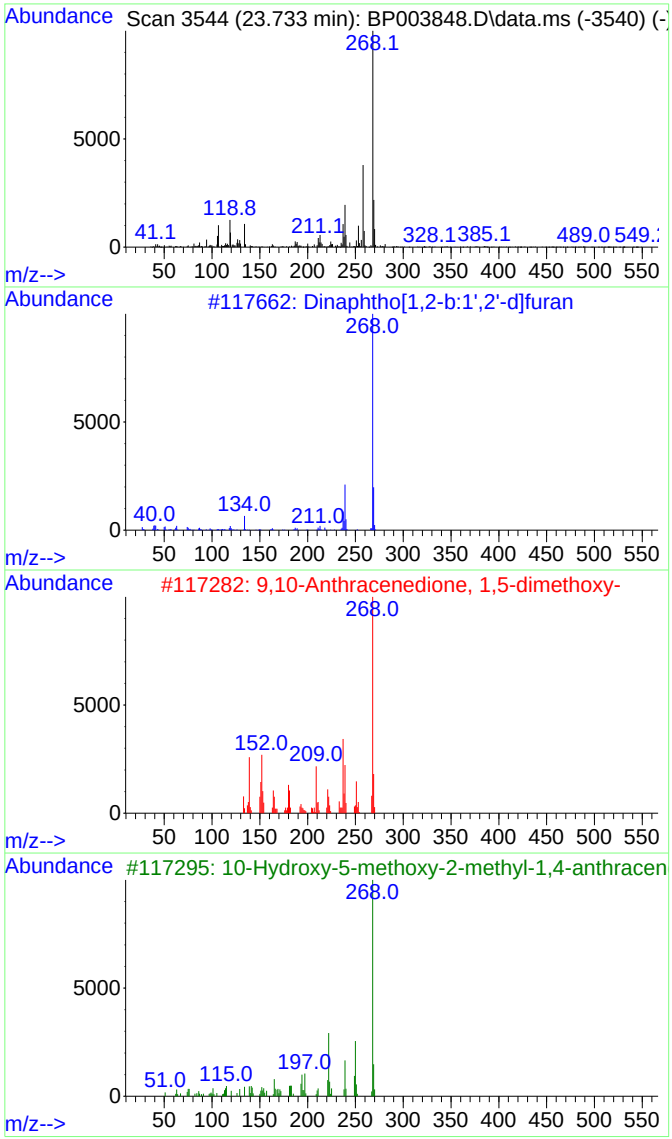
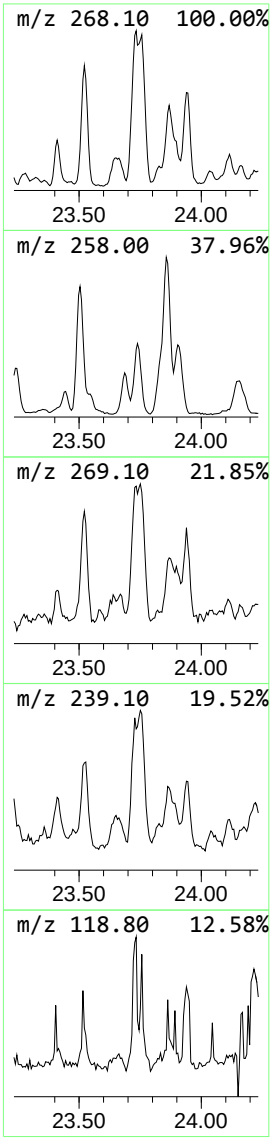
Peak Number 15 Dinaphtho[1,2-b:1',2'-d]furan Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
23.733	6.65 ng	639697	Perylene-d12	24.151

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dinaphtho[1,2-b:1',2'-d]furan	268	C20H12O	000207-93-2	76
2	9,10-Anthracenedione, 1,5-dimeth...	268	C16H12O4	006448-90-4	53
3	10-Hydroxy-5-methoxy-2-methyl-1,...	268	C16H12O4	084542-45-0	50
4	Benzo(a)pyrene 4,5-oxide	268	C20H12O	037574-47-3	50
5	9,10-Anthracenedione, 1,4-diamin...	268	C15H12N2O3	002872-48-2	47





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Acq On : 06 Nov 2020 19:40
Operator : CG/JU
Sample : L4656-08
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
SR-L14-L13-SOUTH

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-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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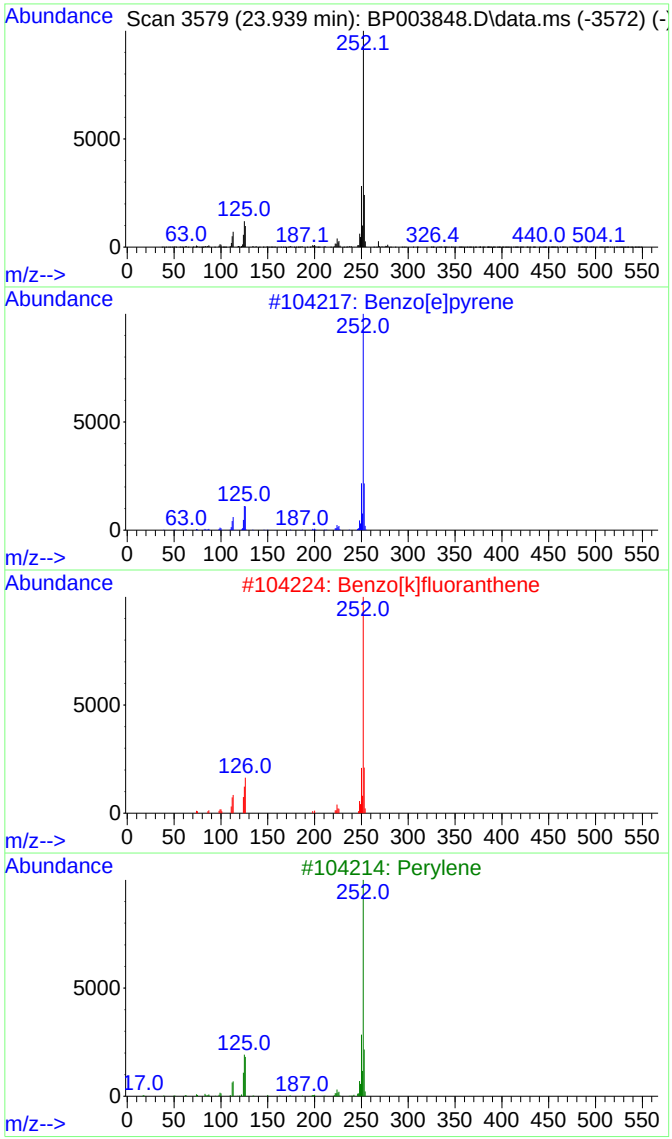
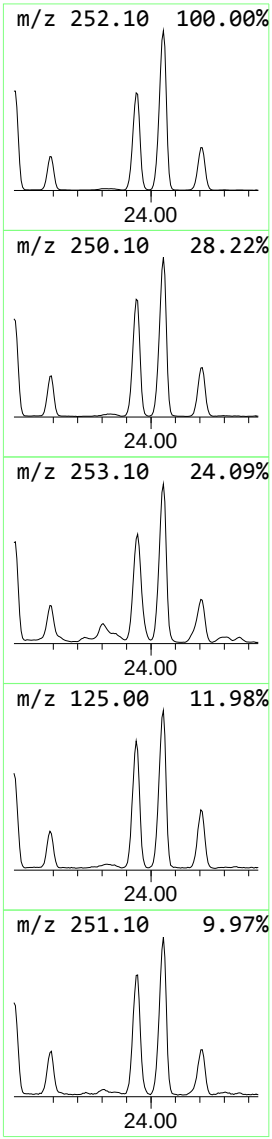
Peak Number 16 Perylene Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
23.939	68.13 ng	6552150	Perylene-d12	24.151

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	99
2	Benzo[k]fluoranthene	252	C20H12	000207-08-9	98
3	Perylene	252	C20H12	000198-55-0	94
4	Benzo[a]pyrene	252	C20H12	000050-32-8	94
5	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	94





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Data File : BP003848.D
Acq On : 06 Nov 2020 19:40
Operator : CG/JU
Sample : L4656-08
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : SR-L14-L13-SOUTH

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-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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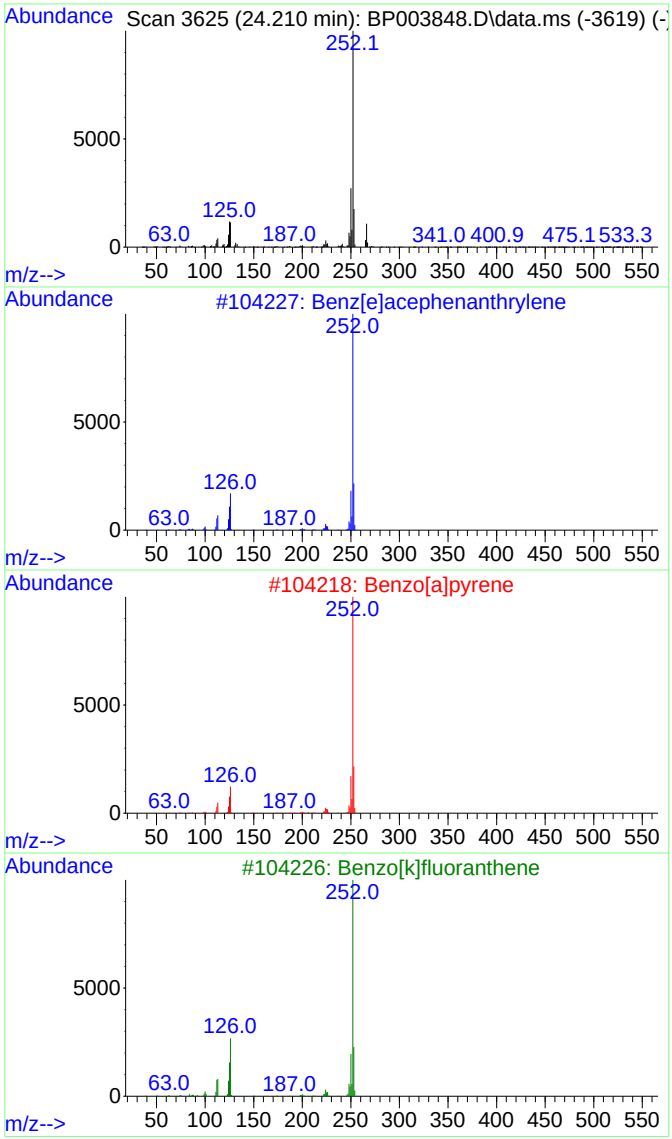
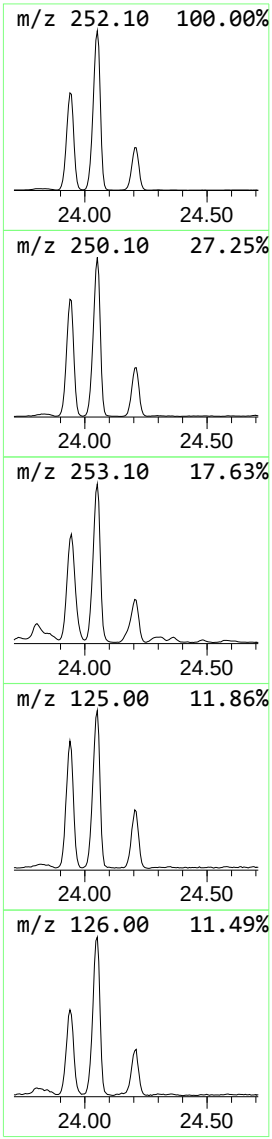
Peak Number 17 unknown24.210 Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
24.210	30.88 ng	2970180	Perylene-d12	24.151

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	90
2	Benzo[a]pyrene	252	C20H12	000050-32-8	89
3	Benzo[k]fluoranthene	252	C20H12	000207-08-9	89
4	Perylene	252	C20H12	000198-55-0	89
5	Benzo[e]pyrene	252	C20H12	000192-97-2	86





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Acq On : 06 Nov 2020 19:40
Operator : CG/JU
Sample : L4656-08
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : SR-L14-L13-SOUTH

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-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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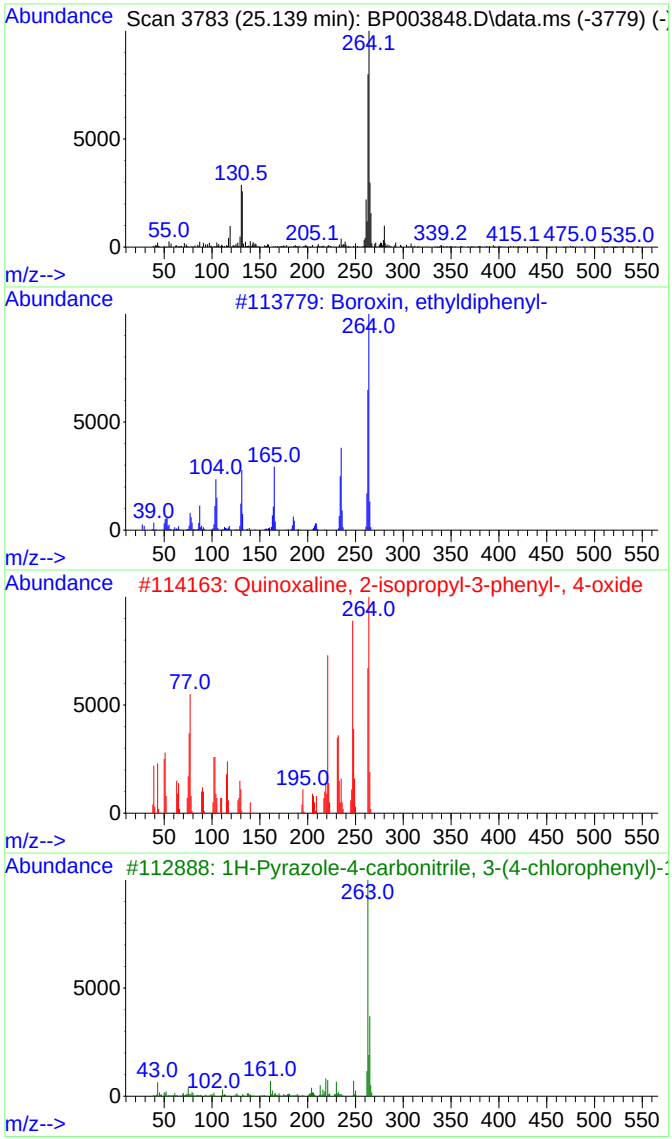
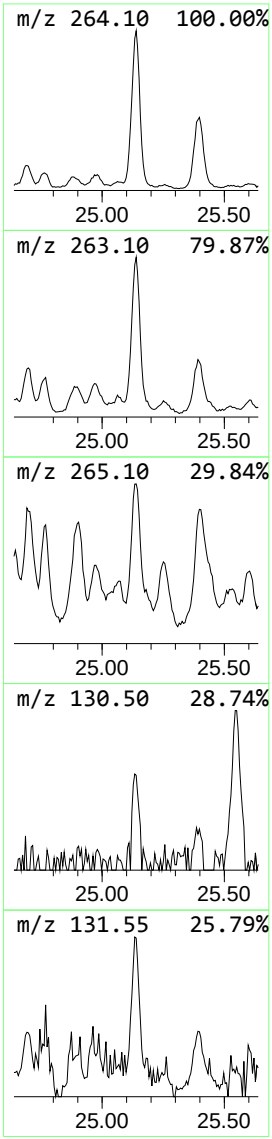
Peak Number 18 Boroxin, ethyldiphenyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
25.139	8.00 ng	769603	Perylene-d12	24.151

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Boroxin, ethyldiphenyl-	264	C14H15B3O3	1000151-82-0	59
2	Quinoxaline, 2-isopropyl-3-pheny...	264	C17H16N2O	016007-79-7	47
3	1H-Pyrazole-4-carbonitrile, 3-(4...	263	C12H10ClN3S	068364-67-0	25
4	2-[2-Quinolinyl]methylenequinucl...	264	C17H16N2O	1000257-08-0	22
5	3-Chloro-1-diethylamino-7-ethyl-...	292	C15H21ClN4	1000274-36-7	12





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Data File : BP003848.D
Acq On : 06 Nov 2020 19:40
Operator : CG/JU
Sample : L4656-08
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : SR-L14-L13-SOUTH

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-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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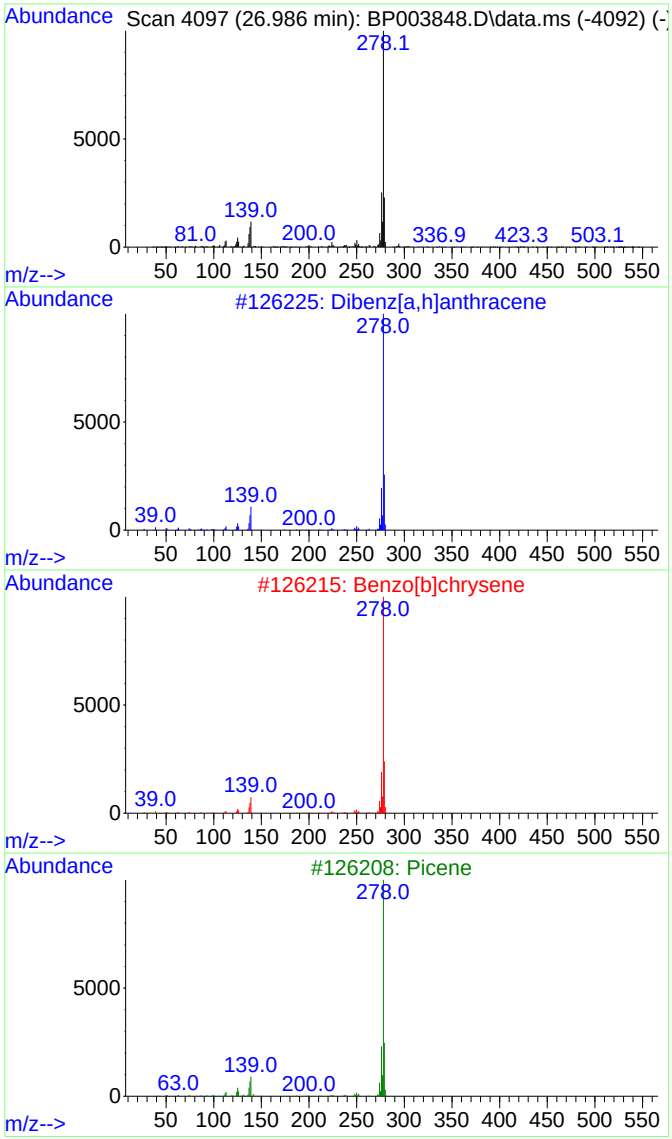
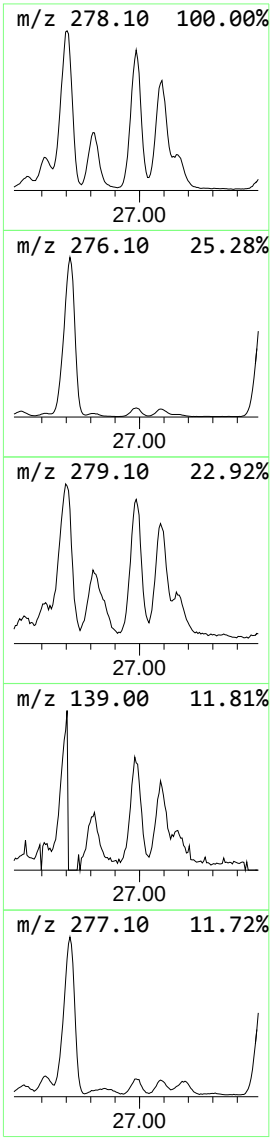
Peak Number 19 Benzo[b]chrysene Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
26.986	11.71 ng	1126330	Perylene-d12	24.151

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenz[a,h]anthracene	278	C22H14	000053-70-3	98
2	Benzo[b]chrysene	278	C22H14	000214-17-5	97
3	Picene	278	C22H14	000213-46-7	96
4	Benzo[a]naphthacene	278	C22H14	000226-88-0	96
5	Pentaphene	278	C22H14	000222-93-5	95





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Data File : BP003848.D
Acq On : 06 Nov 2020 19:40
Operator : CG/JU
Sample : L4656-08
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : SR-L14-L13-SOUTH

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-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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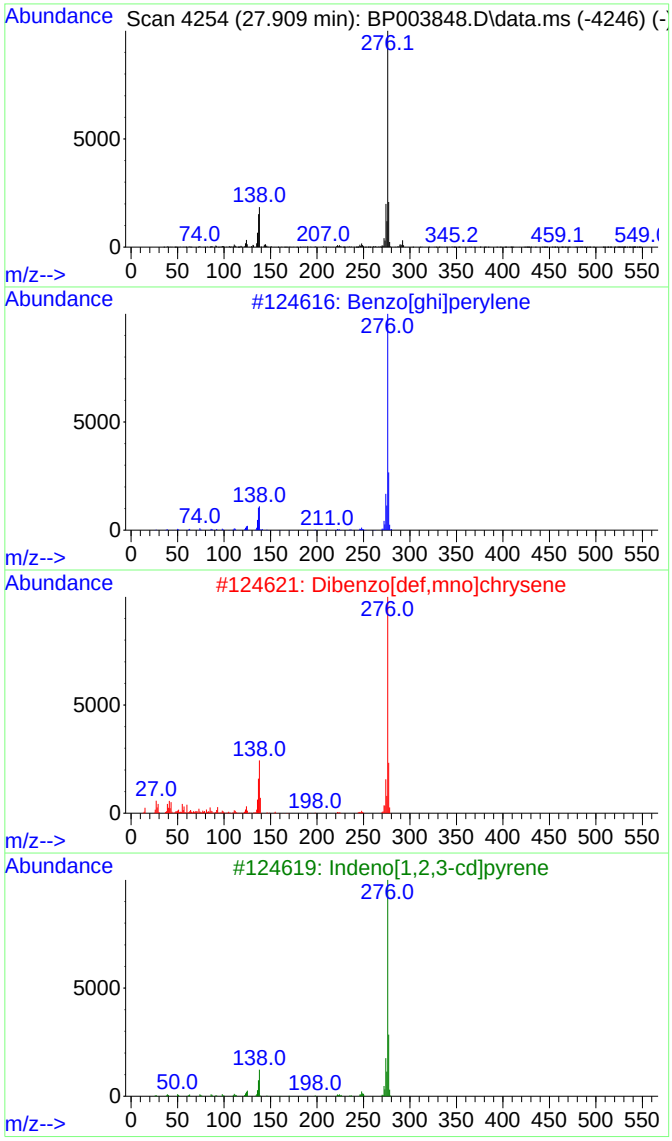
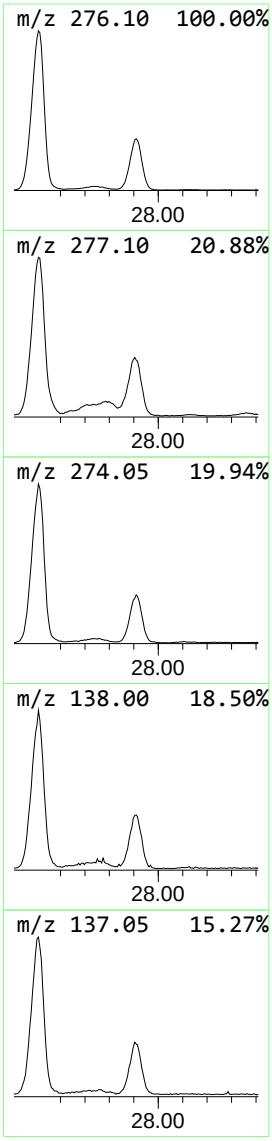
Peak Number 20 Dibenzo[def,mno]chrysene Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
27.910	21.80 ng	2096390	Perylene-d12	24.151

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[ghi]perylene	276	C22H12	000191-24-2	94
2	Dibenzo[def,mno]chrysene	276	C22H12	000191-26-4	94
3	Indeno[1,2,3-cd]pyrene	276	C22H12	000193-39-5	90
4	Indeno[1,2,3-cd]fluoranthene	276	C22H12	000193-43-1	64
5	Phenol, 2-(4-chlorophenyliminome...	276	C13H9ClN2O3	1000262-90-3	53





Tentatively Identified Compound (LSC) summary

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP110620\
Data File : BP003848.D
Acq On : 06 Nov 2020 19:40
Operator : CG/JU
Sample : L4656-08
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : SR-L14-L13-SOUTH

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-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
unknown2.952	2.952	236.4	ng	11027400	1	8.305	932903	20.0
Cyclohexane	3.105	6.4	ng	299345	1	8.305	932903	20.0
Butane, 2-metho...	3.199	9.8	ng	456978	1	8.305	932903	20.0
9H-Fluorene, 1-...	16.951	7.0	ng	657644	4	17.645	1889760	20.0
Dibenzothiophene	17.463	11.0	ng	1035470	4	17.645	1889760	20.0
Phenanthrene, 2...	18.492	24.1	ng	2280870	4	17.645	1889760	20.0
1H-Cyclopropa[l...	18.539	27.0	ng	2555230	4	17.645	1889760	20.0
Phenanthrene, 1...	18.610	14.2	ng	1340240	4	17.645	1889760	20.0
4H-Cyclopenta[d...	18.686	45.7	ng	4317570	4	17.645	1889760	20.0
Naphthalene, 2-...	18.957	14.3	ng	1354700	4	17.645	1889760	20.0
Phenanthrene, 2...	19.363	15.2	ng	1436750	4	17.645	1889760	20.0
unknown19.427	19.427	14.4	ng	1362310	4	17.645	1889760	20.0
11H-Benzo[b]flu...	20.433	6.5	ng	4358560	5	21.674	13338300	20.0
Benzo[e]pyrene	23.586	17.9	ng	1717810	6	24.151	1923520	20.0
Dinaphtho[1,2-b...	23.733	6.7	ng	639697	6	24.151	1923520	20.0
Perylene	23.939	68.1	ng	6552150	6	24.151	1923520	20.0
unknown24.210	24.210	30.9	ng	2970180	6	24.151	1923520	20.0
Boroxin, ethyld...	25.139	8.0	ng	769603	6	24.151	1923520	20.0
Benzo[b]chrysene	26.986	11.7	ng	1126330	6	24.151	1923520	20.0
Dibenzo[def,mno...	27.910	21.8	ng	2096390	6	24.151	1923520	20.0