LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP120121\
Data File : BP008180.D
Acq On : 01 Dec 2021 19:18
Operator : CG/JU
Sample : M4721-02
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : SAMPLE-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-BP112521.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BP008180.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	4.922	323	329	338	rBV	148852	206244	2.22%	0.162%
2	5.387	402	408	425	rBV	1374400	2017188	21.76%	1.586%
3	6.981	668	679	695	rBV	1242375	2105138	22.71%	1.655%
4	7.793	809	817	825	rBV	356245	591052	6.37%	0.465%
5	8.957	1009	1015	1026	rVB	787672	1323482	14.27%	1.040%
6	10.593	1284	1293	1297	rBV	436040	773422	8.34%	0.608%
7	10.646	1297	1302	1310	rVB	720796	1211146	13.06%	0.952%
8	10.769	1318	1323	1328	rVB	259539	391868	4.23%	0.308%
9	11.440	1431	1437	1443	rBV3	122703	240351	2.59%	0.189%
10	11.634	1464	1470	1489	rVB	333976	744813	8.03%	0.586%
11	12.257	1571	1576	1582	rVB2	480066	798149	8.61%	0.627%
12	12.481	1608	1614	1623	rVB	332398	560946	6.05%	0.441%
13	12.987	1695	1700	1705	rVB	338568	467234	5.04%	0.367%
14	13.063	1707	1713	1719	rVB	1742724	2560395	27.62%	2.013%
15	13.275	1742	1749	1756	rVB4	121274	350541	3.78%	0.276%
16	13.763	1826	1832	1837	rBV	242435	442710	4.77%	0.348%
17	13.816	1837	1841	1846	rVV	151763	208283	2.25%	0.164%
18	13.934	1857	1861	1865	rVB2	239199	316502	3.41%	0.249%
19	13.998	1865	1872	1876	rBV2	138015	238024	2.57%	0.187%
20	14.163	1894	1900	1907	rVB	392499	597256	6.44%	0.470%
21	14.445	1939	1948	1953	rBV2	582486	1038067	11.20%	0.816%
22	14.504	1953	1958	1967	rVB	635114	994640	10.73%	0.782%
23	14.845	2010	2016	2024	rVB	715045	1095472	11.82%	0.861%
24	15.069	2048	2054	2059	rBV3	106601	208502	2.25%	0.164%
25	15.492	2120	2126	2132	rBV2	765093	1147864	12.38%	0.902%
26	15.657	2151	2154	2158	rVV2	150160	218472	2.36%	0.172%
27	15.710	2159	2163	2166	rVV3	122228	213671	2.30%	0.168%
28	15.792	2172	2177	2187	rVB	338617	548533	5.92%	0.431%
29	15.939	2187	2202	2210	rBV	1727932	2885856	31.13%	2.269%
30	16.028	2210	2217	2225	rVB3	91069	212554	2.29%	0.167%
31	16.175	2238	2242	2250	rVB4	129642	231327	2.49%	0.182%
32	16.481	2287	2294	2296	rBV4	135597	251511	2.71%	0.198%
33	16.504	2296	2298	2303	rVV2	171549	259774	2.80%	0.204%
34	16.739	2334	2338	2341	rVV2	154002	243206	2.62%	0.191%
35	16.857	2353	2358	2366	rVB	528764	770748	8.31%	0.606%
36	16.934	2366	2371	2378	rBV2	196518	452845	4.88%	0.356%

LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP120121\
Data File : BP008180.D
Acq On : 01 Dec 2021 19:18
Operator : CG/JU
Sample : M4721-02
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
SAMPLE-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-BP112521.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

37	17.022	2381	2386	2395	rVB	455053	746244	8.05%	0.587%
38	17.204	2408	2417	2420	rBV	738527	1147213	12.37%	0.902%
39	17.251	2420	2425	2431	rVV	6035977	9271644	100.00%	7.289%
40	17.339	2435	2440	2445	rVB	1825844	2561591	27.63%	2.014%
41	17.398	2445	2450	2455	rBV3	166199	275429	2.97%	0.217%
42	17.610	2477	2486	2491	rBV2	855514	1525570	16.45%	1.199%
43	17.722	2501	2505	2512	rBV3	127536	207223	2.24%	0.163%
44	17.786	2512	2516	2524	rVB7	170672	318309	3.43%	0.250%
45	18.075	2556	2565	2569	rBV	867869	1420308	15.32%	1.117%
46	18.122	2569	2573	2579	rVB	1294833	1886225	20.34%	1.483%
47	18.198	2582	2586	2591	rVB	585160	791370	8.54%	0.622%
48	18.263	2591	2597	2601	rBV2	1062772	1939024	20.91%	1.524%
49	18.298	2601	2603	2609	rVB	609021	734186	7.92%	0.577%
50	18.369	2609	2615	2620	rBV4	146679	338255	3.65%	0.266%
51	18.563	2643	2648	2651	rBV	660970	848400	9.15%	0.667%
52	18.604	2651	2655	2660	rVB	561779	703154	7.58%	0.553%
53	18.804	2685	2689	2692	rBV3	188947	230291	2.48%	0.181%
54	18.851	2693	2697	2700	rVB	165169	204648	2.21%	0.161%
55	18.886	2700	2703	2707	rVB	215155	262279	2.83%	0.206%
56	18.963	2711	2716	2723	rBV	411460	864032	9.32%	0.679%
57	19.028	2724	2727	2730	rVV3	288799	462046	4.98%	0.363%
58	19.057	2730	2732	2735	rVV2	234294	276264	2.98%	0.217%
59	19.104	2736	2740	2748	rVB3	506215	938056	10.12%	0.737%
60	19.227	2754	2761	2767	rBV	6579555	8955337	96.59%	7.040%
61	19.322	2774	2777	2782	rVV	218428	290758	3.14%	0.229%
62	19.369	2782	2785	2788	rVB	184631	224159	2.42%	0.176%
63	19.422	2789	2794	2796	rBV4	180862	296723	3.20%	0.233%
64	19.457	2797	2800	2804	rVB	217687	283989	3.06%	0.223%
65	19.551	2811	2816	2817	rBV	1413348	1839585	19.84%	1.446%
66	19.580	2817	2821	2828	rVV	5335727	7662533	82.64%	6.024%
67	19.645	2828	2832	2841	rVB2	435440	711564	7.67%	0.559%
68	19.775	2845	2854	2858	rVV2	3204689	4509472	48.64%	3.545%
69	19.816	2858	2861	2866	rVB	436877	578207	6.24%	0.455%
70	19.904	2868	2876	2881	rBV4	486235	1294467	13.96%	1.018%
71	20.027	2891	2897	2898	rBV3	381019	607419	6.55%	0.478%
72	20.063	2899	2903	2908	rVB	754403	1096865	11.83%	0.862%
73	20.157	2915	2919	2923	rBV	348491	473857	5.11%	0.373%
74	20.216	2923	2929	2933	rVV2	720436	1242161	13.40%	0.977%
75	20.292	2939	2942	2947	rBV2	178437	242705	2.62%	0.191%
76	20.357	2949	2953	2956	rBV	334475	426275	4.60%	0.335%

LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP120121\
Data File : BP008180.D
Acq On : 01 Dec 2021 19:18
Operator : CG/JU
Sample : M4721-02
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
SAMPLE-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-BP112521.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

77	20.398	2956	2960	2964	rVV2	401428	526350	5.68%	0.414%
78	20.610	2992	2996	2998	rBV4	163423	251558	2.71%	0.198%
79	20.798	3024	3028	3034	rBV	819696	1055374	11.38%	0.830%
80	20.957	3049	3055	3058	rBV3	599868	1133951	12.23%	0.891%
81	20.992	3058	3061	3064	rVV	705360	944887	10.19%	0.743%
82	21.033	3064	3068	3073	rVV3	646650	1456080	15.70%	1.145%
83	21.092	3073	3078	3088	rVB	893913	1375586	14.84%	1.081%
84	21.298	3104	3113	3118	rBV3	4058224	7393509	79.74%	5.812%
85	21.345	3118	3121	3131	rVB	2959319	4130695	44.55%	3.247%
86	21.427	3131	3135	3138	rBV	522387	676923	7.30%	0.532%
87	21.463	3138	3141	3148	rVB	360855	542377	5.85%	0.426%
88	21.633	3166	3170	3175	rBV3	524668	817488	8.82%	0.643%
89	21.880	3209	3212	3216	rVB	600686	825597	8.90%	0.649%
90	21.939	3218	3222	3228	rVB	431006	705337	7.61%	0.555%
91	22.092	3244	3248	3251	rBV	289390	437363	4.72%	0.344%
92	22.192	3262	3265	3271	rVB3	250720	380392	4.10%	0.299%
93	22.398	3296	3300	3305	rBV2	203628	391042	4.22%	0.307%
94	22.980	3392	3399	3404	rBV2	2244332	5601402	60.41%	4.404%
95	23.163	3425	3430	3436	rBV	452694	785559	8.47%	0.618%
96	23.498	3481	3487	3497	rVB	1224669	2597181	28.01%	2.042%
97	23.604	3498	3505	3513	rVV	2008589	3882552	41.88%	3.052%
98	23.704	3517	3522	3527	rVV2	734924	1561367	16.84%	1.227%
99	23.757	3528	3531	3540	rVB2	548622	1166408	12.58%	0.917%
100	26.209	3940	3948	3959	rVB	933663	2957705	31.90%	2.325%

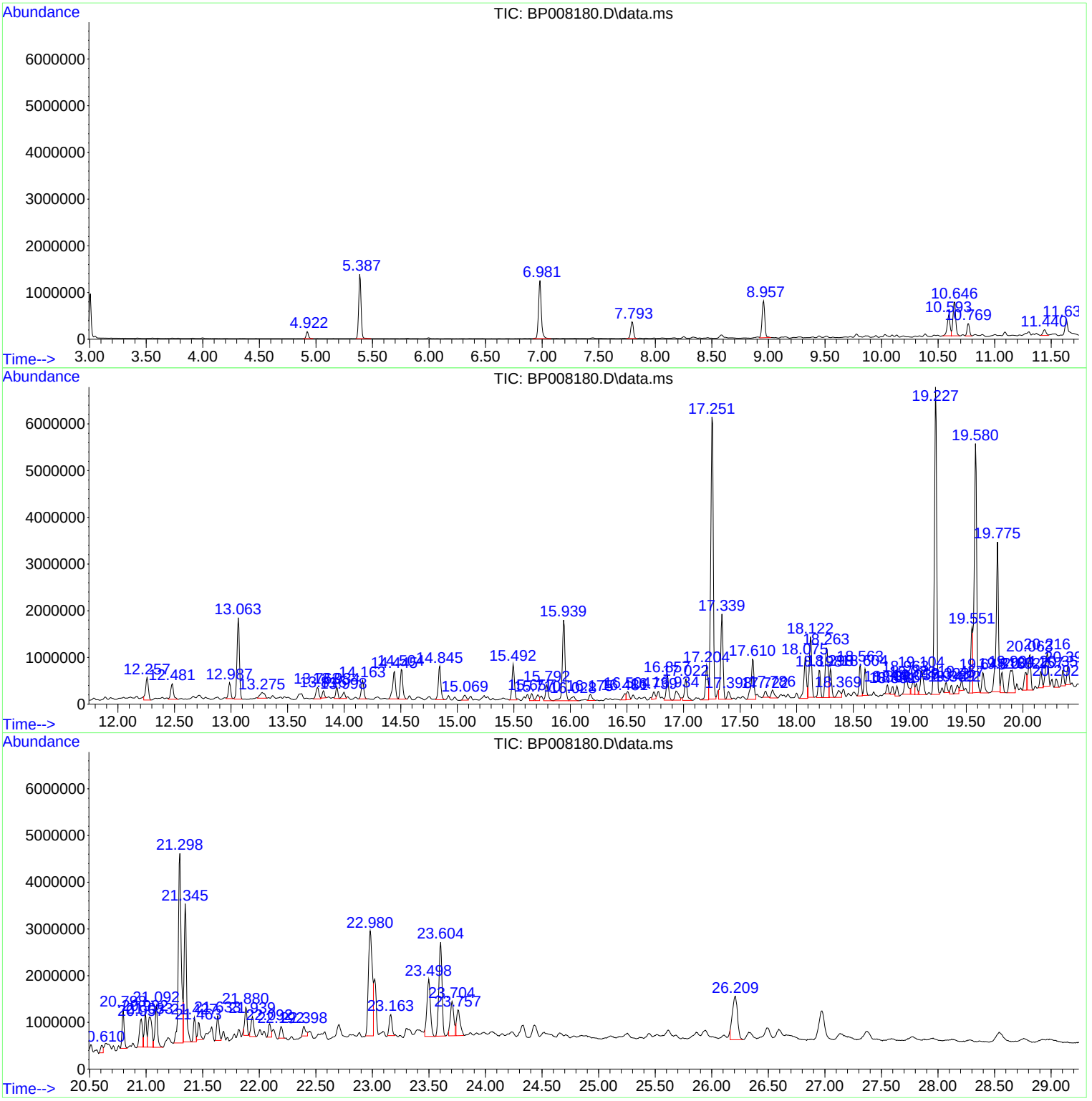
Sum of corrected areas: 127202306

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP120121\
Data File : BP008180.D
Acq On : 01 Dec 2021 19:18
Operator : CG/JU
Sample : M4721-02
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
SAMPLE-2

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP112521.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\BP120121\
Data File : BP008180.D
Acq On : 01 Dec 2021 19:18
Operator : CG/JU
Sample : M4721-02
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
SAMPLE-2

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP112521.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

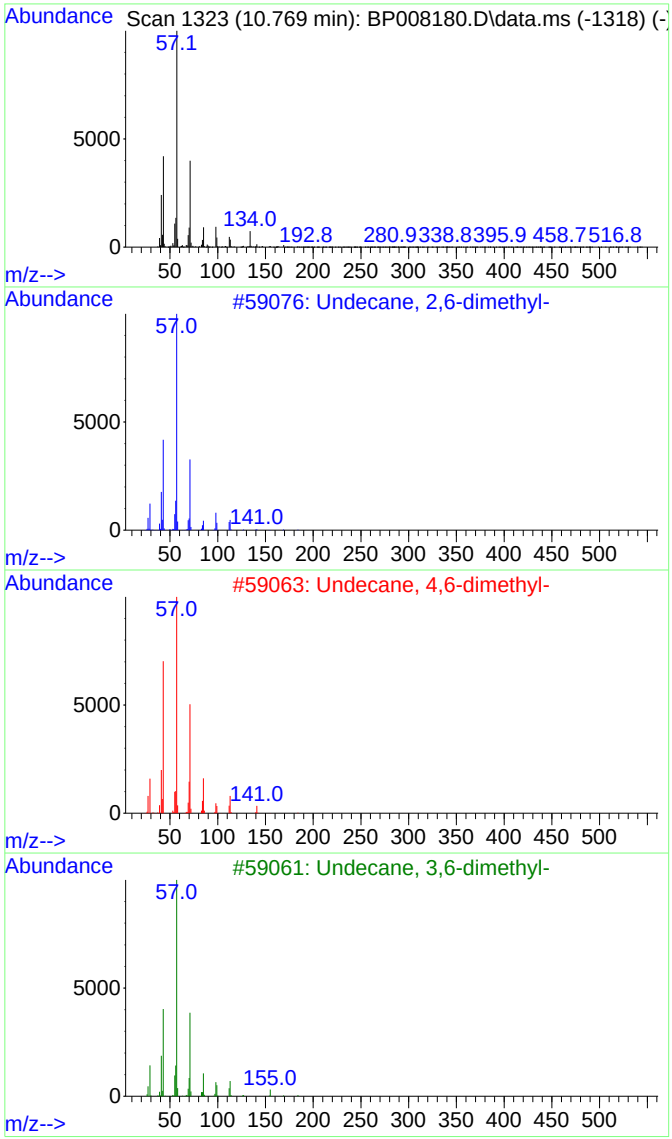
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

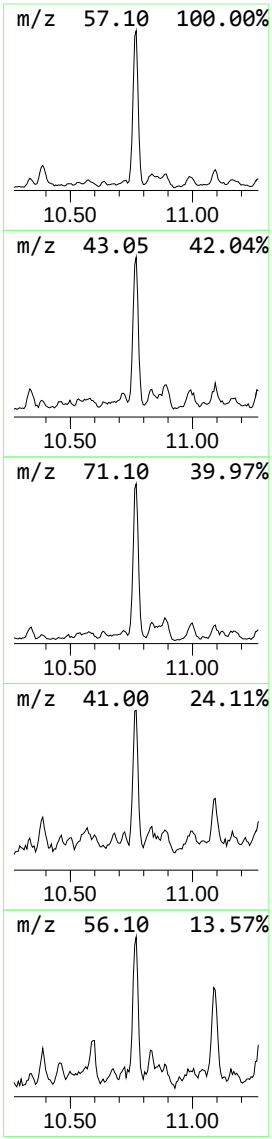
****

Peak Number 1 Undecane, 2,6-dimethyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.769	10.13 ng	391868	Naphthalene-d8	10.593

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Undecane, 2,6-dimethyl-	184	C13H28	017301-23-4	91
2	Undecane, 4,6-dimethyl-	184	C13H28	017312-82-2	83
3	Undecane, 3,6-dimethyl-	184	C13H28	017301-28-9	78
4	Undecane, 3,5-dimethyl-	184	C13H28	017312-81-1	74
5	Decane, 2,5,9-trimethyl-	184	C13H28	062108-22-9	72





Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP120121\
Data File : BP008180.D
Acq On : 01 Dec 2021 19:18
Operator : CG/JU
Sample : M4721-02
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
SAMPLE-2

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP112521.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

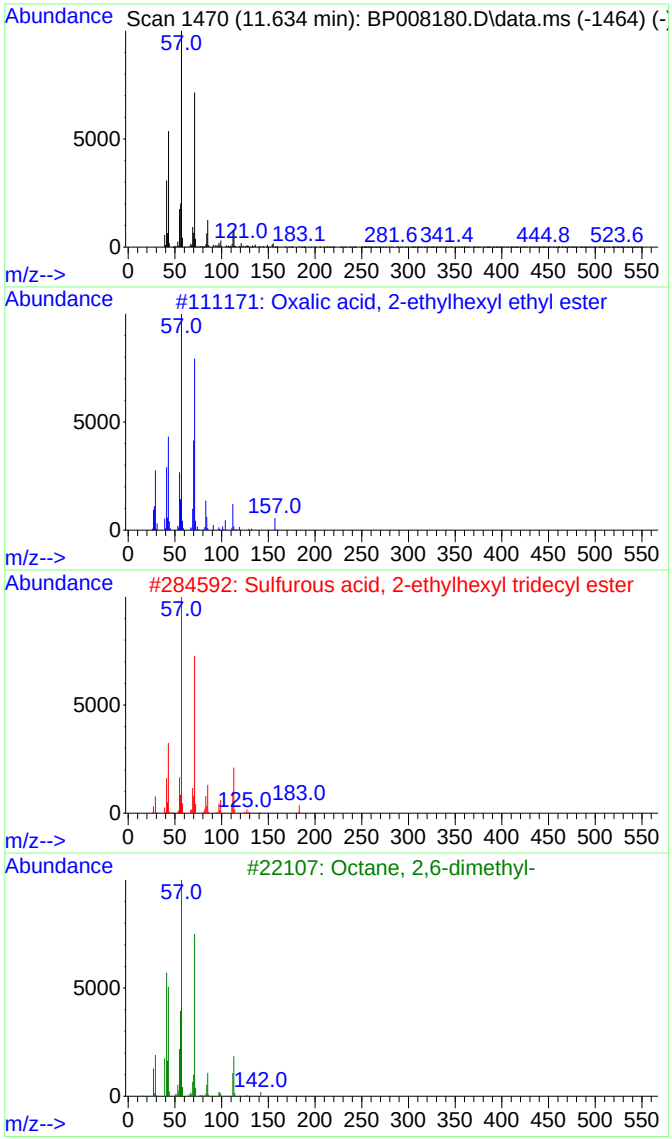
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

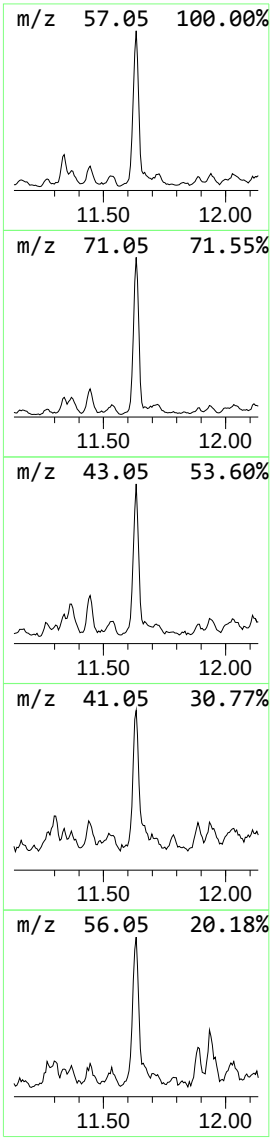
****

Peak Number 2 Oxalic acid, 2-ethylhexyl e... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.634	19.26 ng	744813	Naphthalene-d8	10.593

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Oxalic acid, 2-ethylhexyl ethyl ...	230	C12H22O4	1000309-38-4	72
2	Sulfurous acid, 2-ethylhexyl tri...	376	C21H44O3S	1000309-19-6	64
3	Octane, 2,6-dimethyl-	142	C10H22	002051-30-1	64
4	Nonane, 2,6-dimethyl-	156	C11H24	017302-28-2	64
5	Sulfurous acid, 2-ethylhexyl hex...	418	C24H50O3S	1000309-19-9	64





Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP120121\
Data File : BP008180.D
Acq On : 01 Dec 2021 19:18
Operator : CG/JU
Sample : M4721-02
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
SAMPLE-2

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP112521.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

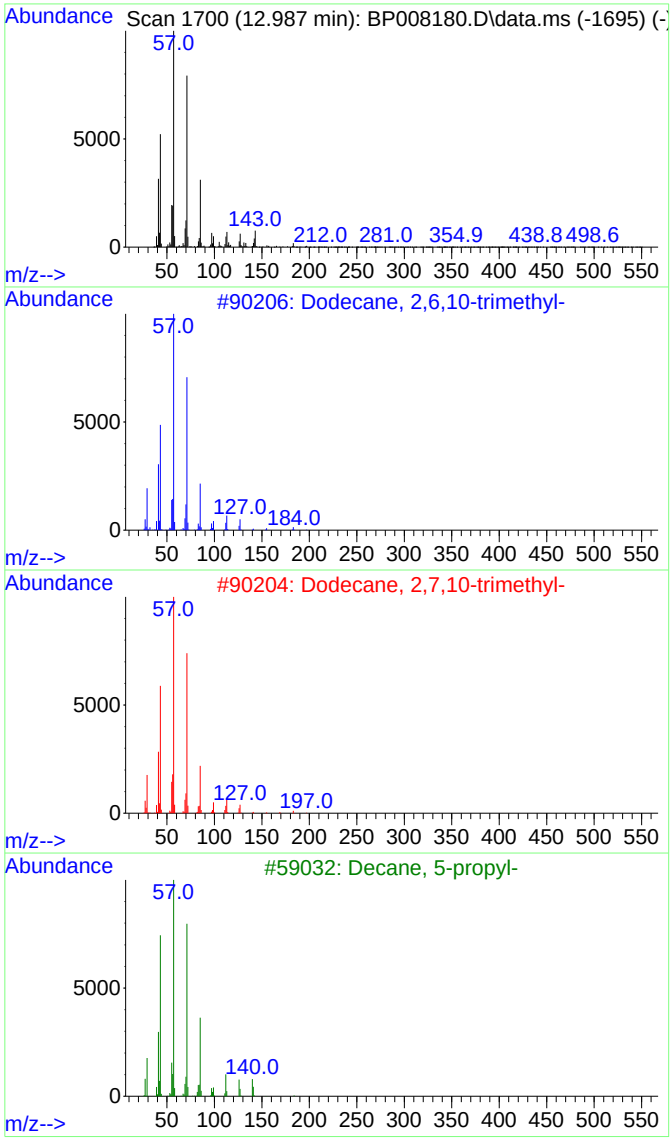
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

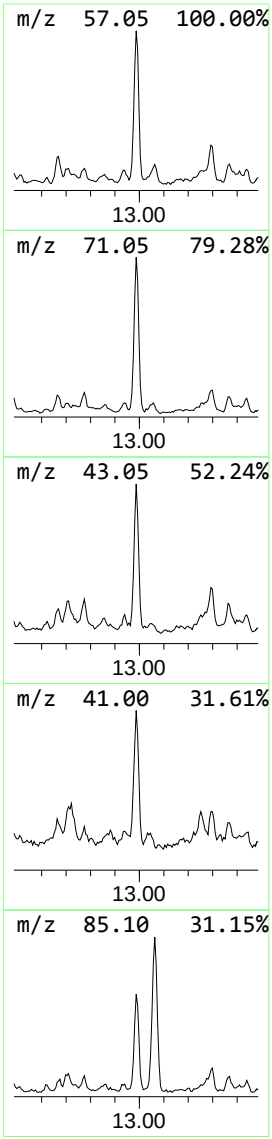
****

Peak Number 3 Dodecane, 2,6,10-trimethyl- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.987	9.00 ng	467234	Acenaphthene-d10	14.445

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dodecane, 2,6,10-trimethyl-	212	C15H32	003891-98-3	91
2	Dodecane, 2,7,10-trimethyl-	212	C15H32	074645-98-0	91
3	Decane, 5-propyl-	184	C13H28	017312-62-8	87
4	Hexadecane, 2,6,10,14-tetramethyl-	282	C20H42	000638-36-8	86
5	Dodecane, 2,6,11-trimethyl-	212	C15H32	031295-56-4	72





Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP120121\
Data File : BP008180.D
Acq On : 01 Dec 2021 19:18
Operator : CG/JU
Sample : M4721-02
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
SAMPLE-2

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP112521.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

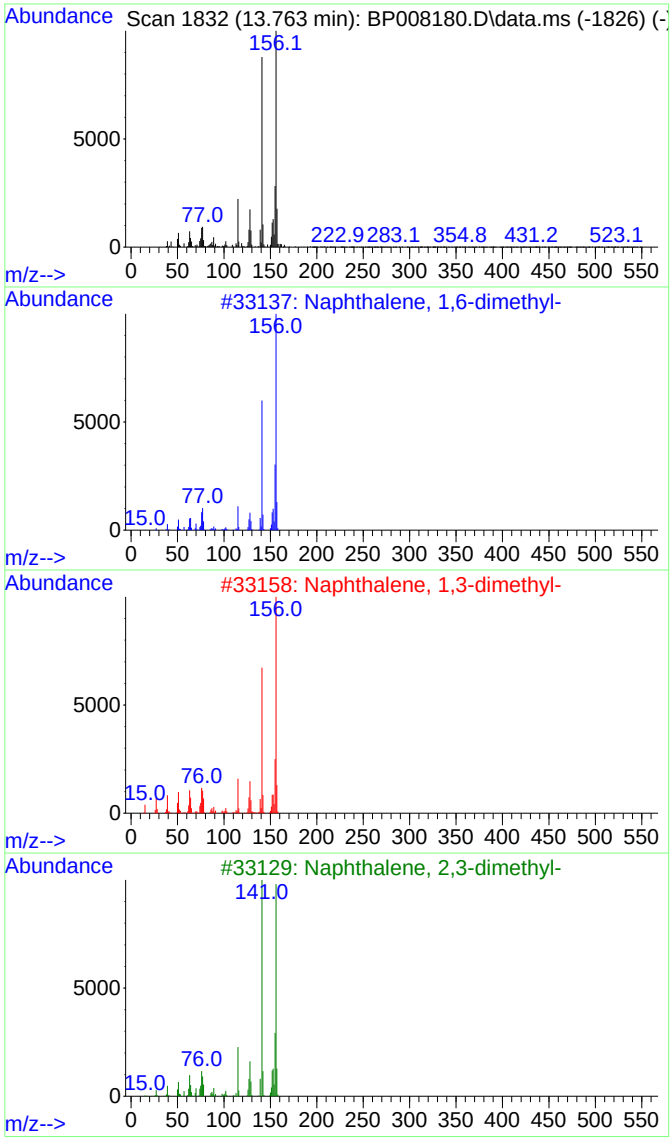
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

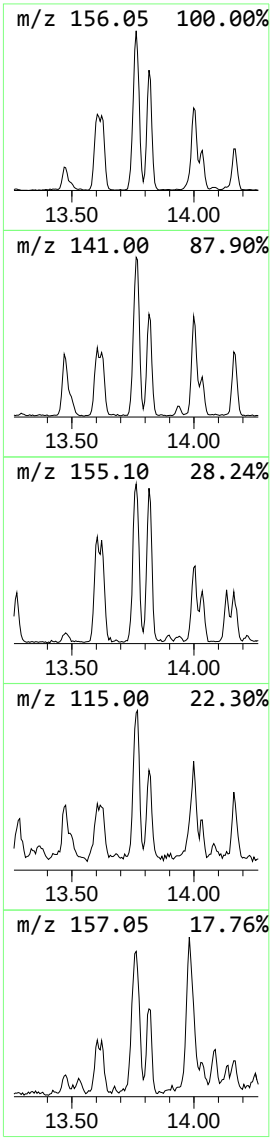
****

Peak Number 4 Naphthalene, 1,6-dimethyl- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.763	8.53 ng	442710	Acenaphthene-d10	14.445

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





Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP120121\
Data File : BP008180.D
Acq On : 01 Dec 2021 19:18
Operator : CG/JU
Sample : M4721-02
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
SAMPLE-2

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP112521.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

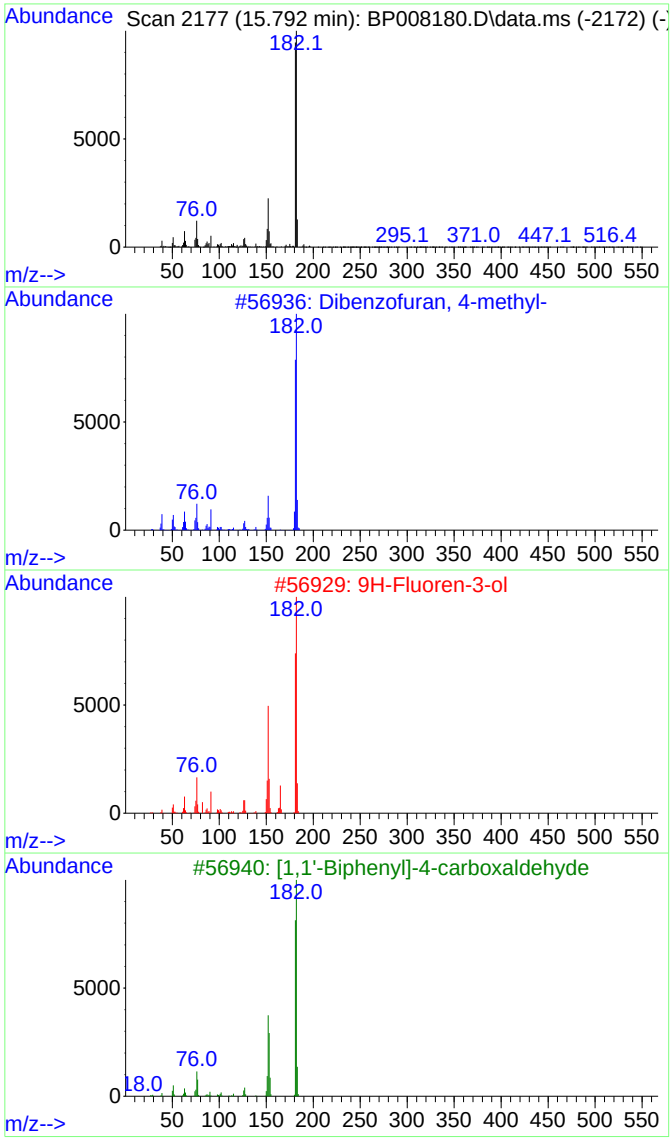
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

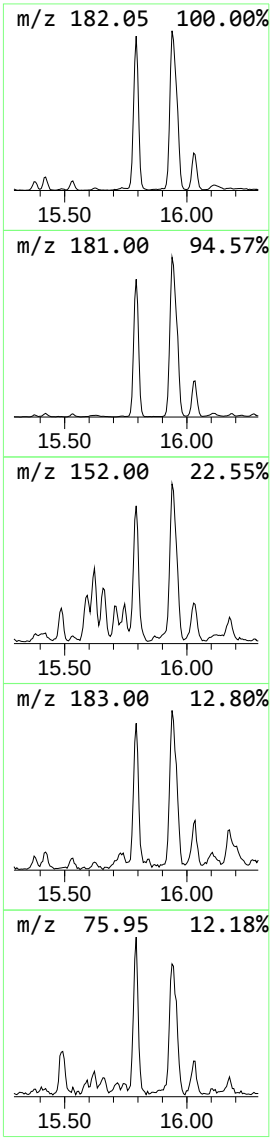
****

Peak Number 5 Dibenzofuran, 4-methyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.792	10.57 ng	548533	Acenaphthene-d10	14.445

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzofuran, 4-methyl-	182	C13H10O	007320-53-8	91
2	9H-Fluoren-3-ol	182	C13H10O	006344-67-8	91
3	[1,1'-Biphenyl]-4-carboxaldehyde	182	C13H10O	003218-36-8	87
4	9H-Fluoren-9-ol	182	C13H10O	001689-64-1	78
5	3-(2-Naphthyl)acrylaldehyde	182	C13H10O	020884-05-3	72





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Acq On : 01 Dec 2021 19:18
Operator : CG/JU
Sample : M4721-02
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
SAMPLE-2

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP112521.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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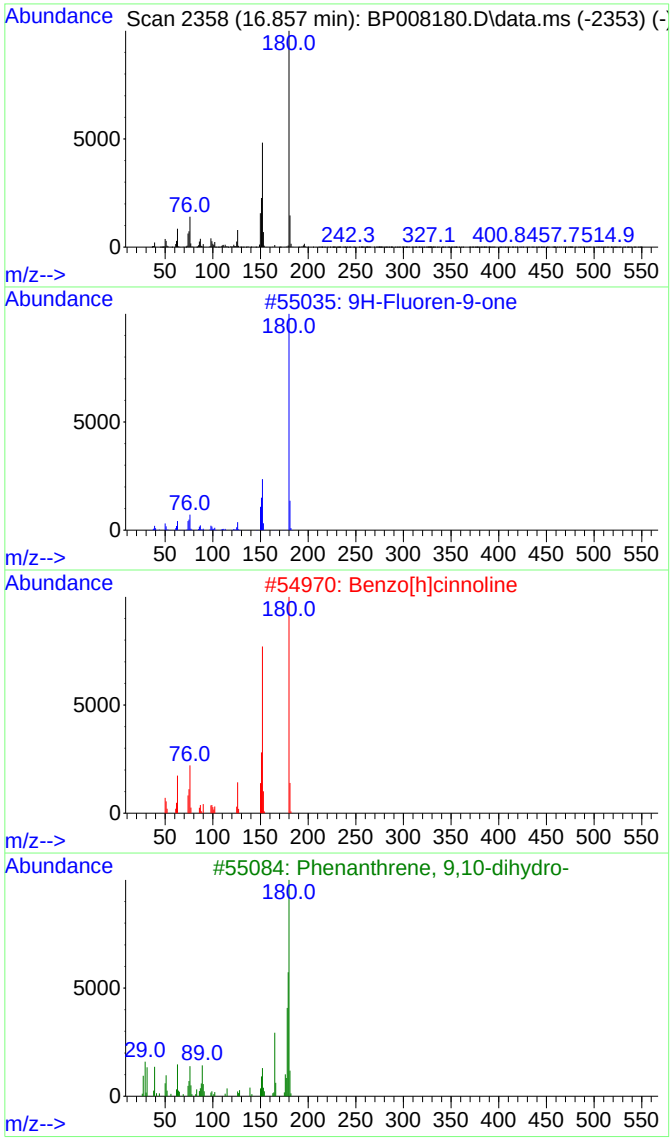
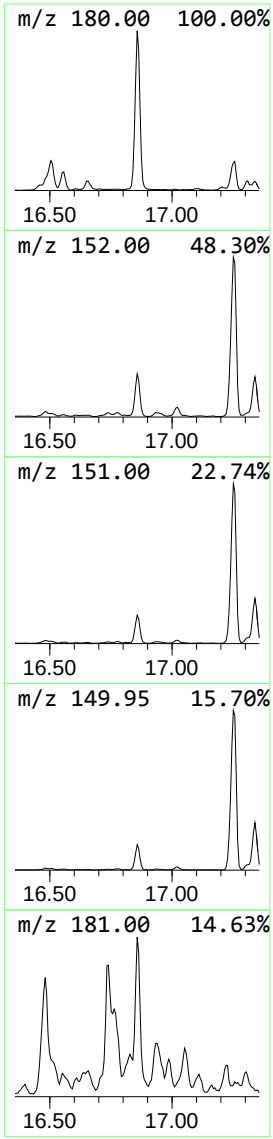
Peak Number 6 9H-Fluoren-9-one Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.857	13.44 ng	770748	Phenanthrene-d10	17.204

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluoren-9-one	180	C13H8O	000486-25-9	96
2	Benzo[h]cinnoline	180	C12H8N2	000230-31-9	91
3	Phenanthrene, 9,10-dihydro-	180	C14H12	000776-35-2	53
4	1,1'-Biphenyl, 4-ethenyl-	180	C14H12	002350-89-2	49
5	1H-Phenalen-1-one	180	C13H8O	000548-39-0	49





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Acq On : 01 Dec 2021 19:18
Operator : CG/JU
Sample : M4721-02
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
SAMPLE-2

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP112521.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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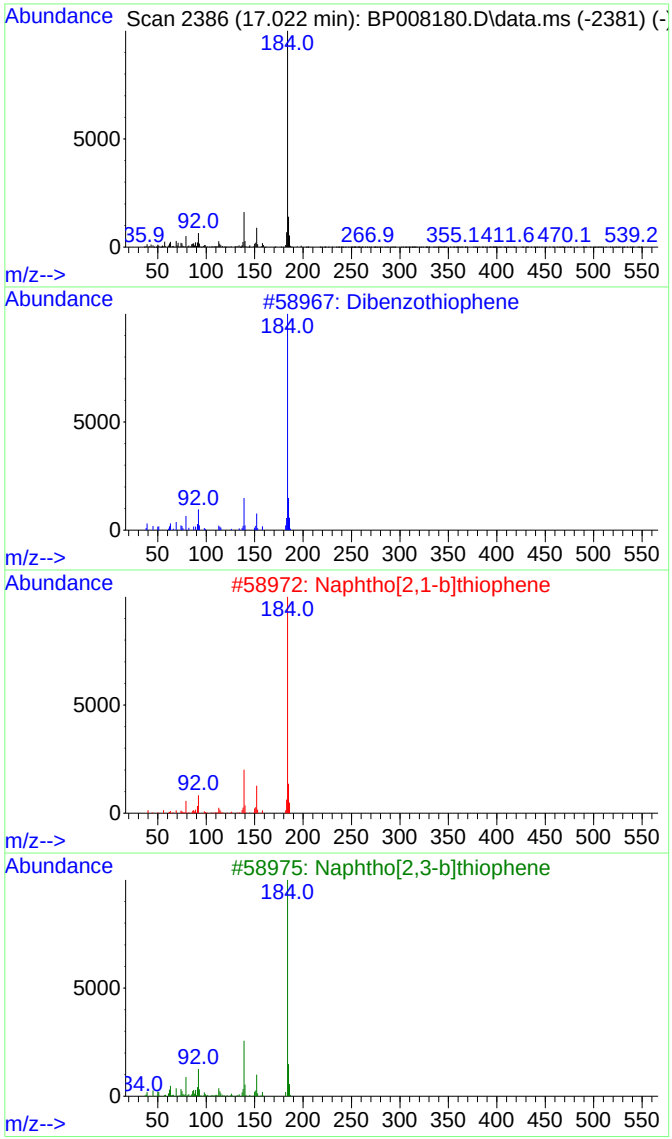
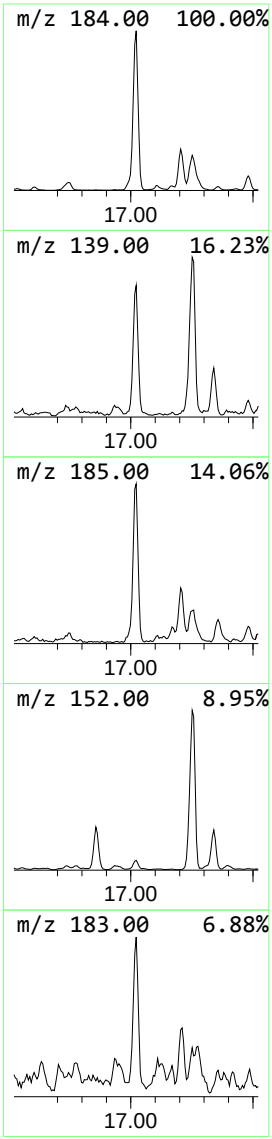
Peak Number 7 Dibenzothiophene Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.022	13.01 ng	746244	Phenanthrene-d10	17.204

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzothiophene	184	C12H8S	000132-65-0	97
2	Naphtho[2,1-b]thiophene	184	C12H8S	000233-02-3	95
3	Naphtho[2,3-b]thiophene	184	C12H8S	000268-77-9	93
4	Azuleno(2,1-b)thiophene	184	C12H8S	000248-13-5	91
5	Naphtho[1,2-b]thiophene	184	C12H8S	000234-41-3	90





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Sample : M4721-02
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
SAMPLE-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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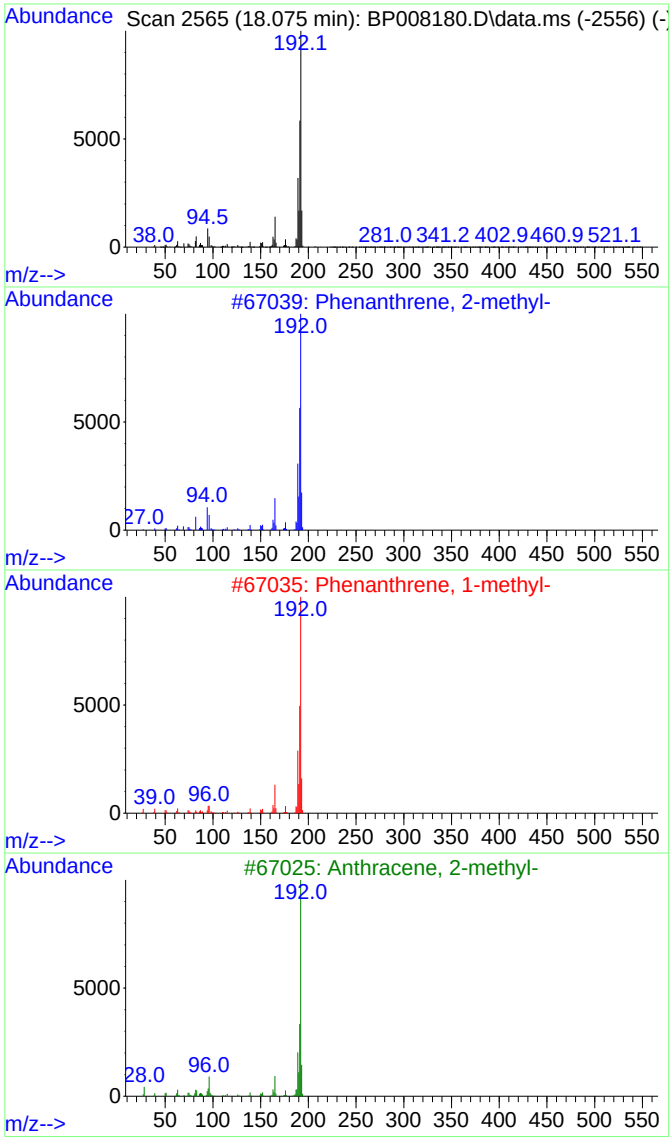
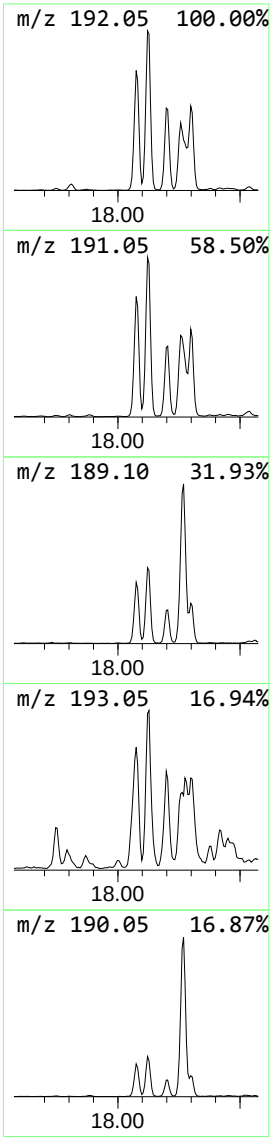
Peak Number 8 Phenanthrene, 1-methyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.075	24.76 ng	1420310	Phenanthrene-d10	17.204

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





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Operator : CG/JU
Sample : M4721-02
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
SAMPLE-2

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP112521.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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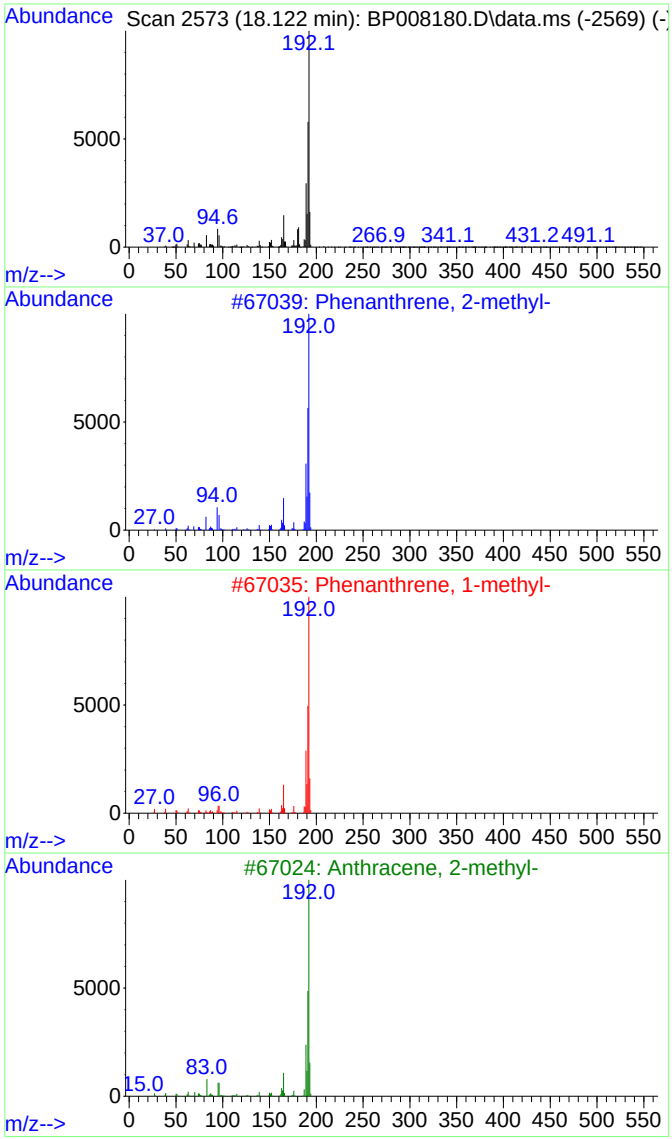
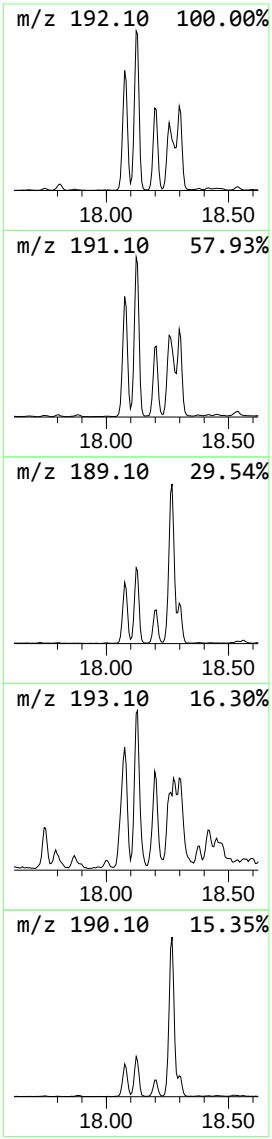
Peak Number 9 Phenanthrene, 2-methyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.122	32.88 ng	1886230	Phenanthrene-d10	17.204

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	95
4	Anthracene, 9-methyl-	192	C15H12	000779-02-2	94
5	Anthracene, 1-methyl-	192	C15H12	000610-48-0	93





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Acq On : 01 Dec 2021 19:18
Operator : CG/JU
Sample : M4721-02
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
SAMPLE-2

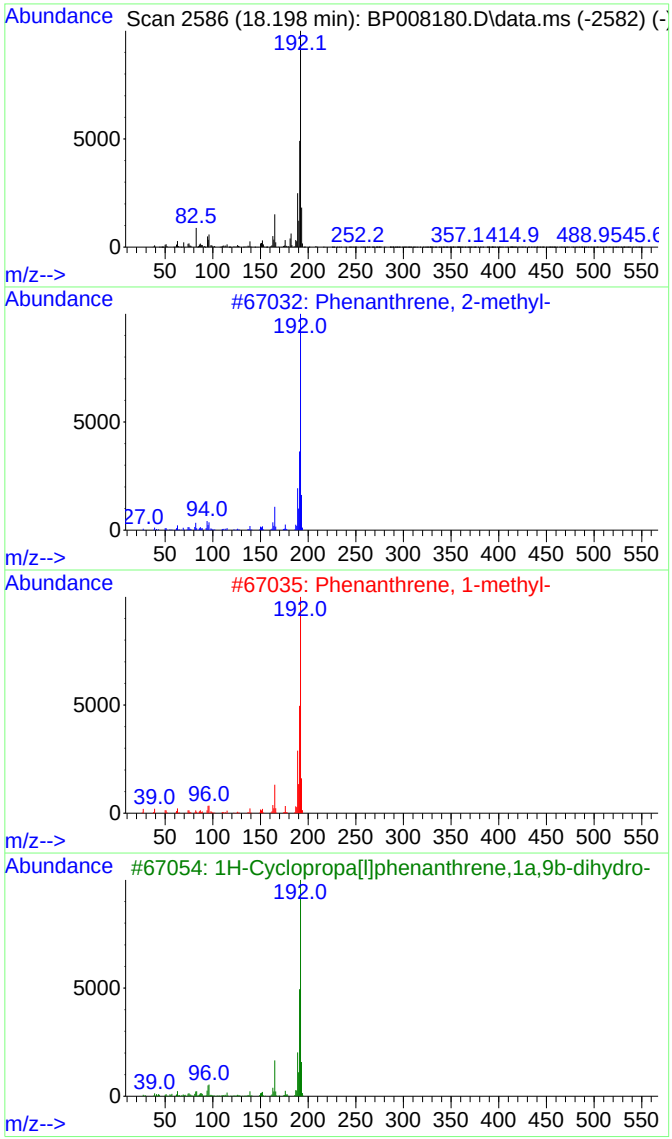
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP112521.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

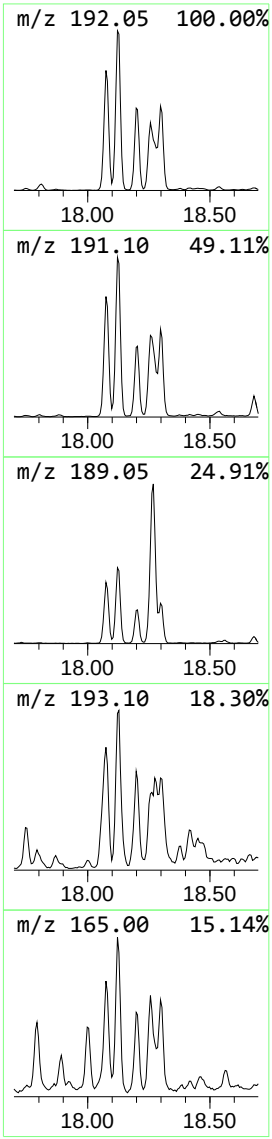
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 10 1H-Cyclopropa[l]phenanthren... Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.198	13.80 ng	791370	Phenanthrene-d10	17.204

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	95
4	Anthracene, 9-methyl-	192	C15H12	000779-02-2	95
5	Anthracene, 2-methyl-	192	C15H12	000613-12-7	94





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Operator : CG/JU
Sample : M4721-02
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
SAMPLE-2

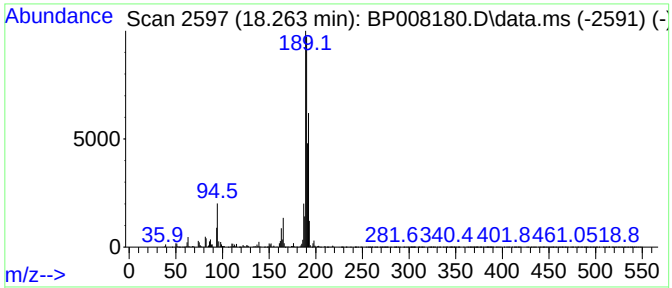
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP112521.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

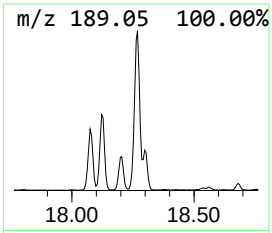
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

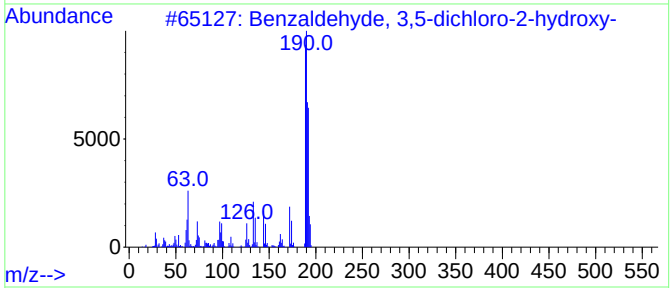
****
Peak Number 11 Benzaldehyde, 3,5-dichloro-... Concentration Rank 1

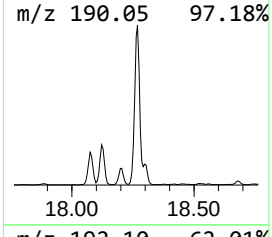
R.T.	EstConc	Area	Relative to ISTD	R.T.
18.263	33.80 ng	1939020	Phenanthrene-d10	17.204

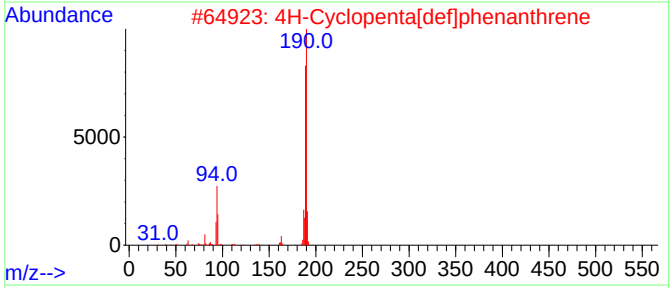
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzaldehyde, 3,5-dichloro-2-hyd...	190	C7H4Cl2O2	000090-60-8	72
2	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	70
3	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	58
4	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	38
5	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	35

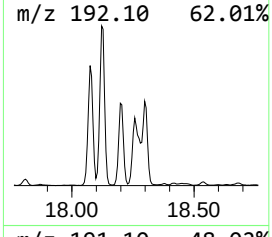


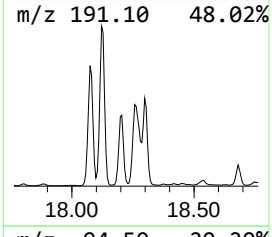


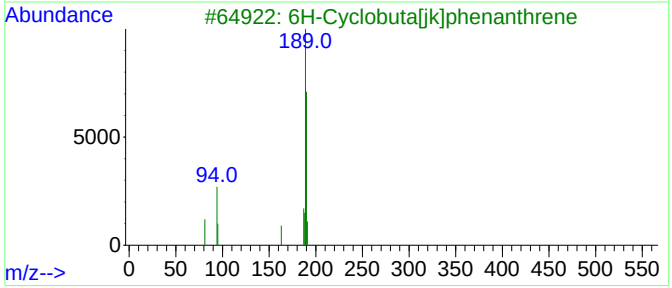


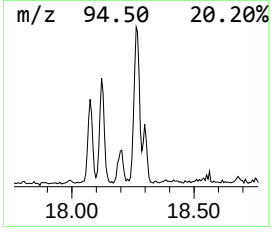












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Operator : CG/JU
Sample : M4721-02
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
SAMPLE-2

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP112521.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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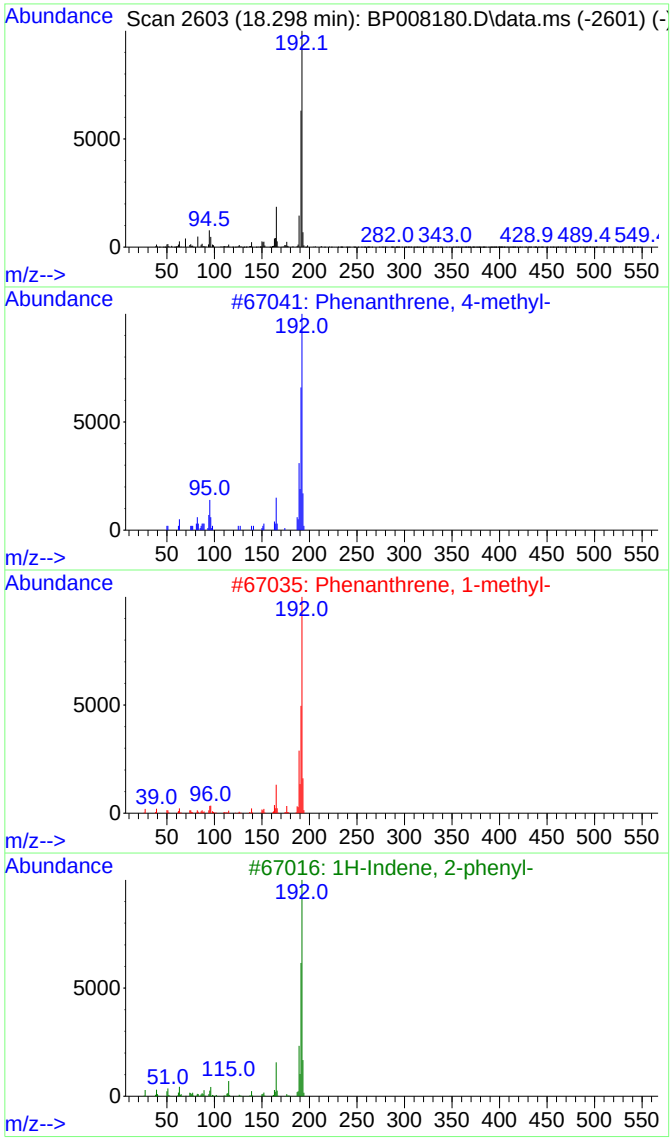
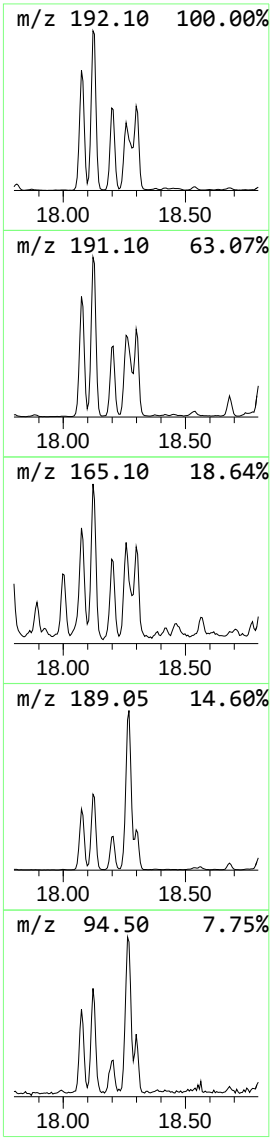
Peak Number 12 Phenanthrene, 4-methyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.298	12.80 ng	734186	Phenanthrene-d10	17.204

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	87
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	87
3	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	83
4	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	83
5	Anthracene, 2-methyl-	192	C15H12	000613-12-7	80





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ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
SAMPLE-2

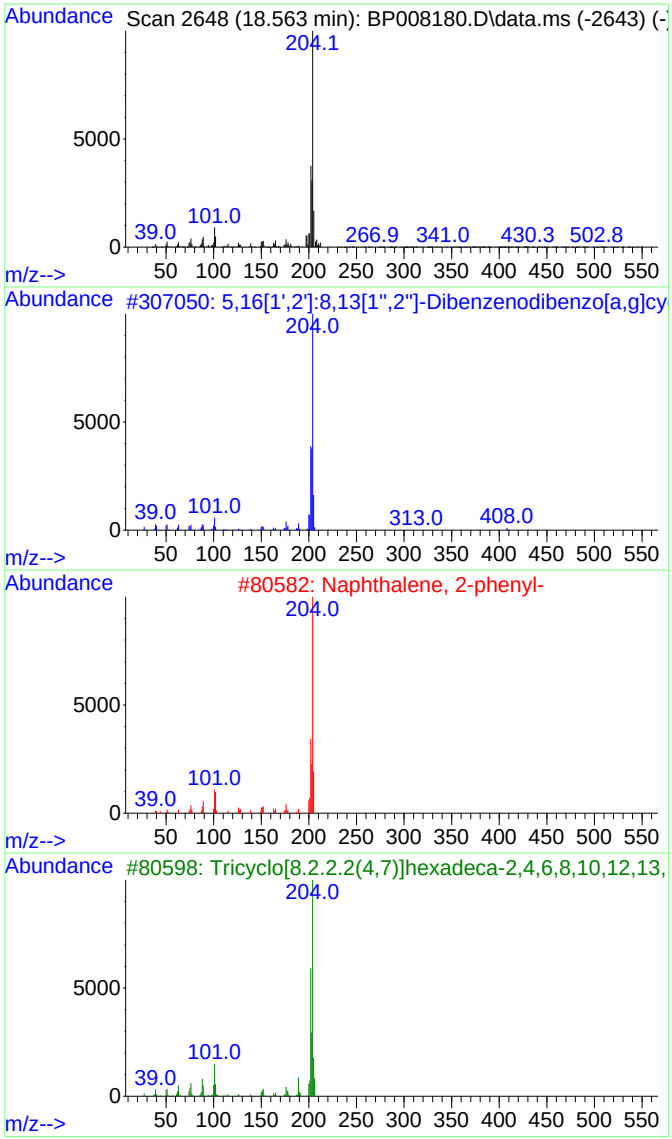
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP112521.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

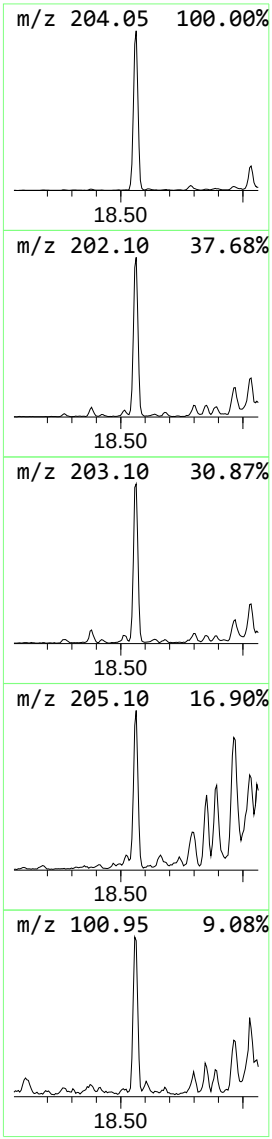
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 13 5,16[1',2']:8,13[1'',2'']-D... Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.563	14.79 ng	848400	Phenanthrene-d10	17.204

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	87
2	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	86
3	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	68
4	9,10-Bis(bromomethyl)anthracene	362	C16H12Br2	034373-96-1	58
5	3,4-Biphenyldicarbonitrile	204	C14H8N2	004128-63-6	53





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ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_P
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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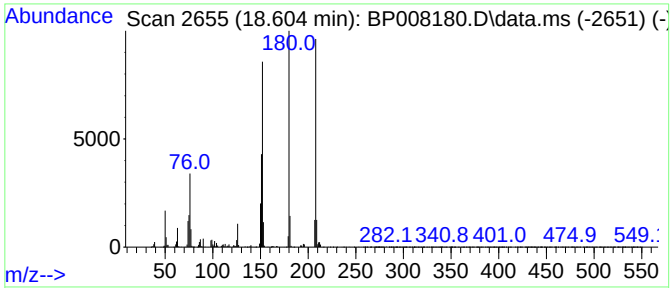
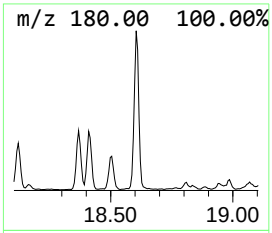
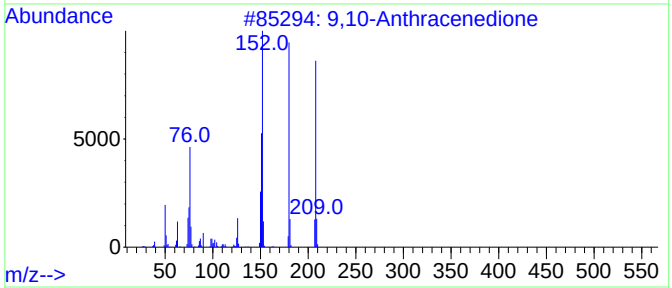
Peak Number 14 9,10-Anthracenedione Concentration Rank 14

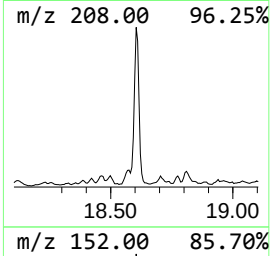
R.T.	EstConc	Area	Relative to ISTD	R.T.
18.604	12.26 ng	703154	Phenanthrene-d10	17.204

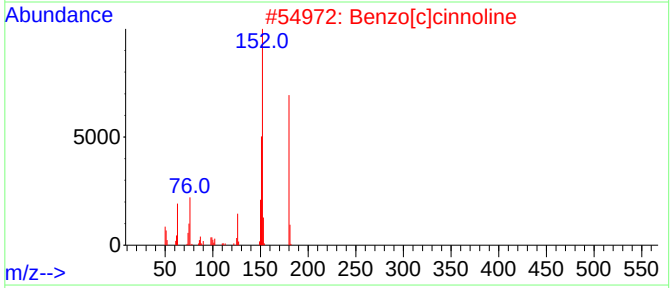
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Anthracenedione	208	C14H8O2	000084-65-1	98
2	Benzo[c]cinnoline	180	C12H8N2	000230-17-1	70
3	1H-Phenalen-1-one	180	C13H8O	000548-39-0	60
4	9,10-Phenanthrenedione	208	C14H8O2	000084-11-7	60
5	Benzo[h]cinnoline	180	C12H8N2	000230-31-9	60

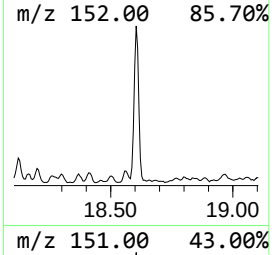


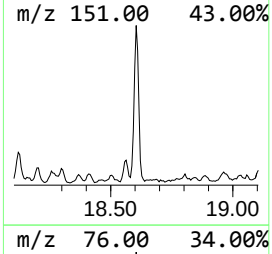


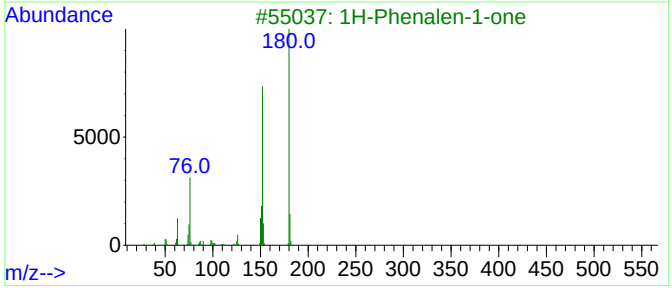


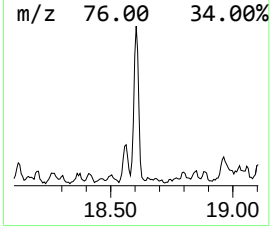












Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP120121\
Data File : BP008180.D
Acq On : 01 Dec 2021 19:18
Operator : CG/JU
Sample : M4721-02
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
SAMPLE-2

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP112521.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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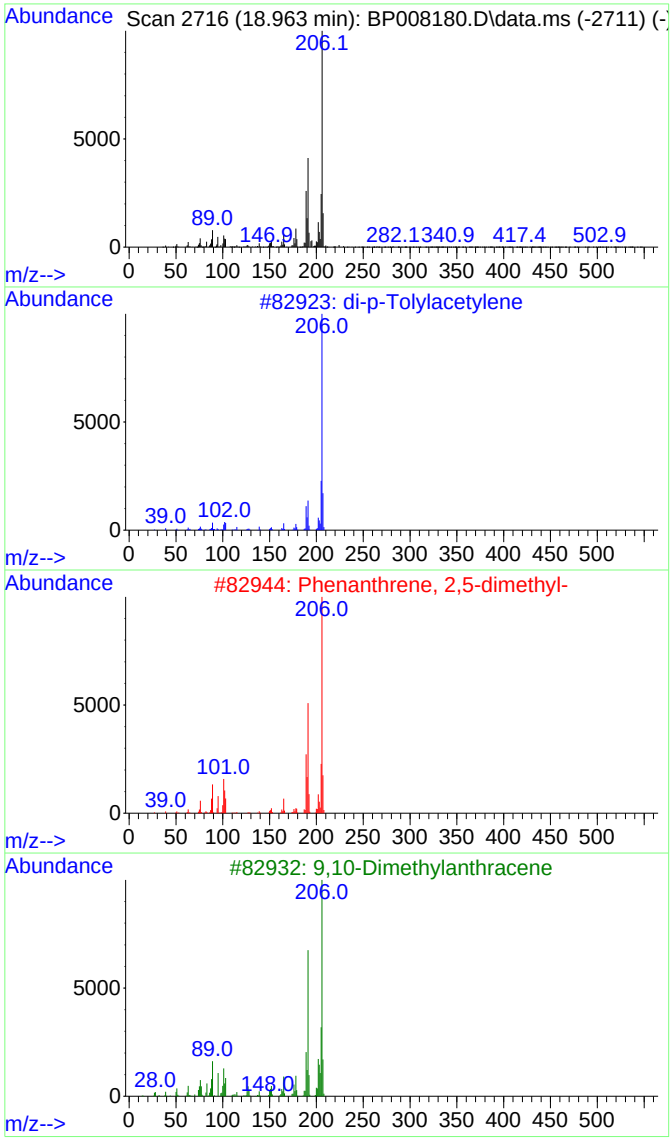
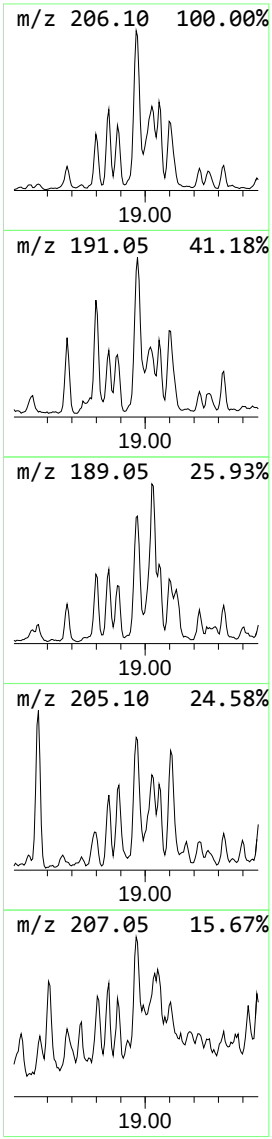
Peak Number 15 di-p-Tolylacetylene Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.963	15.06 ng	864032	Phenanthrene-d10	17.204

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	di-p-Tolylacetylene	206	C16H14	002789-88-0	94
2	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	93
3	9,10-Dimethylanthracene	206	C16H14	000781-43-1	91
4	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	90
5	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	89





Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP120121\
Data File : BP008180.D
Acq On : 01 Dec 2021 19:18
Operator : CG/JU
Sample : M4721-02
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
SAMPLE-2

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP112521.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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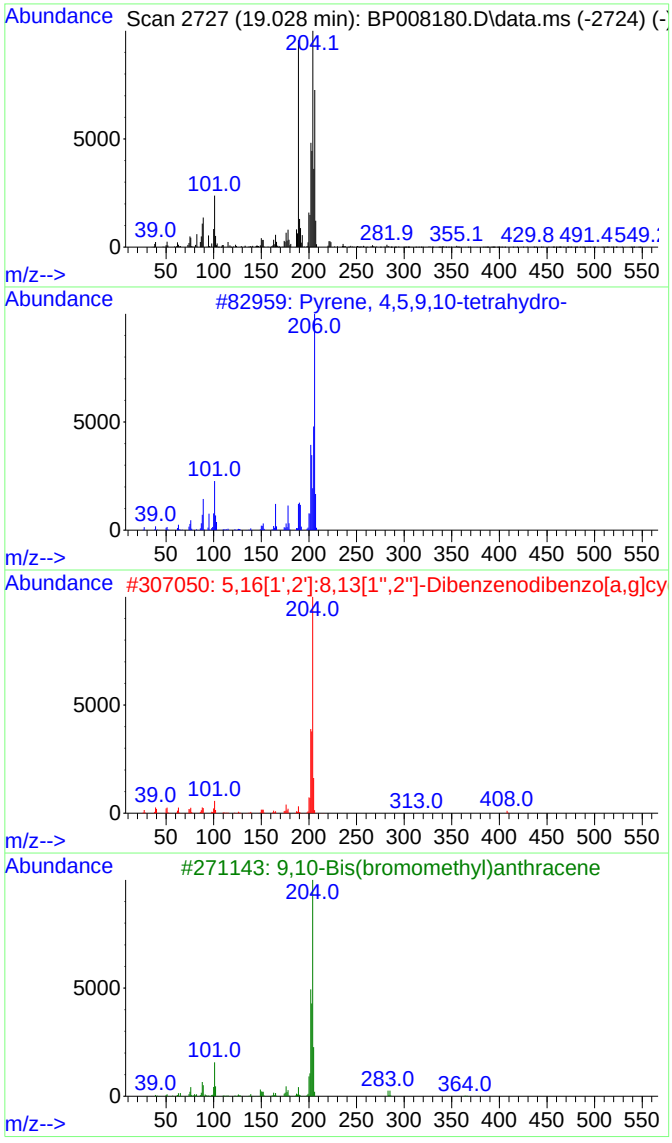
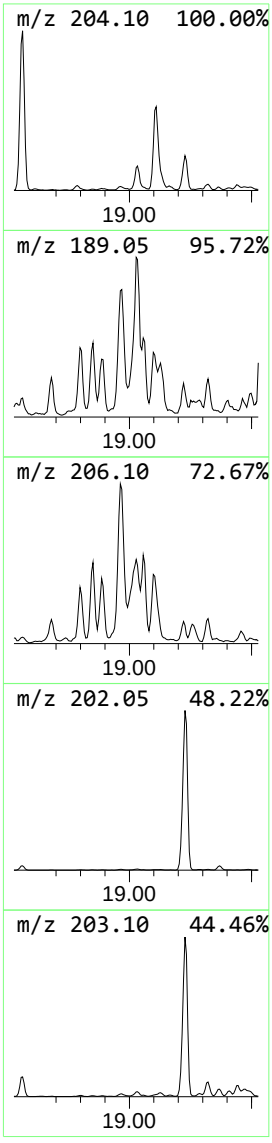
Peak Number 16 Pyrene, 4,5,9,10-tetrahydro- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.028	8.06 ng	462046	Phenanthrene-d10	17.204

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 4,5,9,10-tetrahydro-	206	C16H14	000781-17-9	53
2	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	49
3	9,10-Bis(bromomethyl)anthracene	362	C16H12Br2	034373-96-1	49
4	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	46
5	1,2,4,8-Tetramethylbicyclo[6.3.0...	204	C15H24	137235-51-9	43





Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP120121\
Data File : BP008180.D
Acq On : 01 Dec 2021 19:18
Operator : CG/JU
Sample : M4721-02
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
SAMPLE-2

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP112521.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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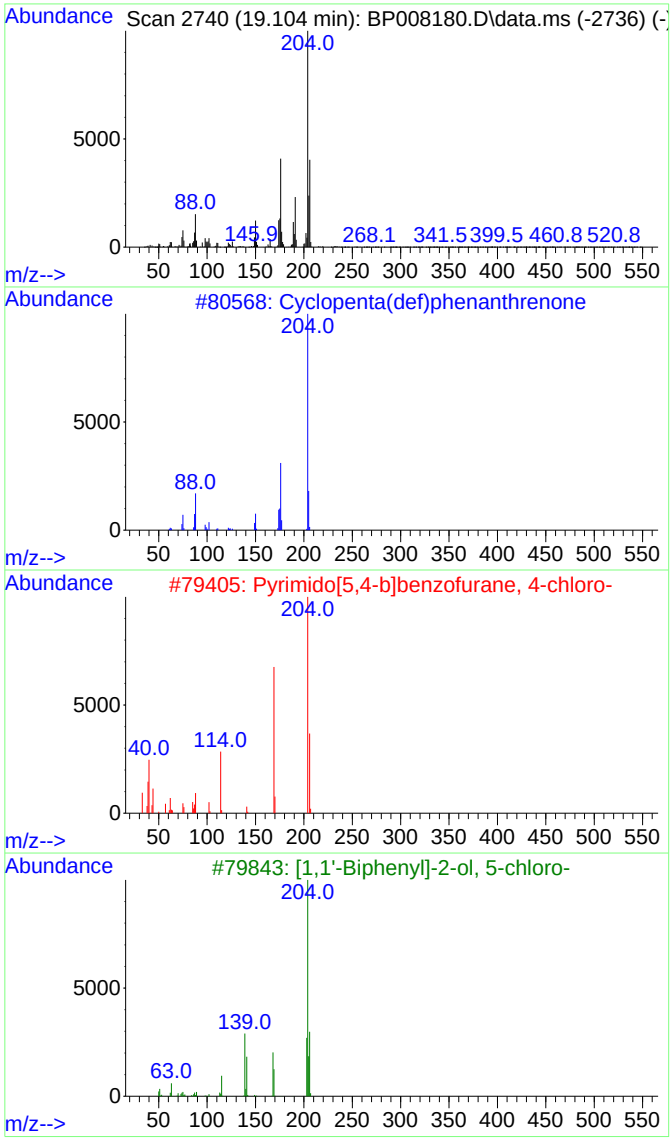
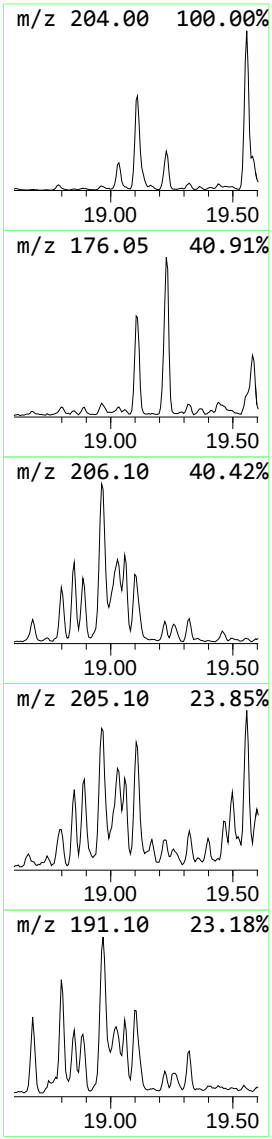
Peak Number 17 Cyclopenta(def)phenanthrenone Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.104	16.35 ng	938056	Phenanthrene-d10	17.204

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	96
2	Pyrimido[5,4-b]benzofurane, 4-ch...	204	C10H5ClN2O	039876-88-5	43
3	[1,1'-Biphenyl]-2-ol, 5-chloro-	204	C12H9ClO	000607-12-5	43
4	5,6,7,8-Tetrahydrothieno[2,3-b]q...	204	C11H12N2S	122914-50-5	43
5	2-Chloro-4-phenylphenol	204	C12H9ClO	000092-04-6	38





Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP120121\
Data File : BP008180.D
Acq On : 01 Dec 2021 19:18
Operator : CG/JU
Sample : M4721-02
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
SAMPLE-2

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP112521.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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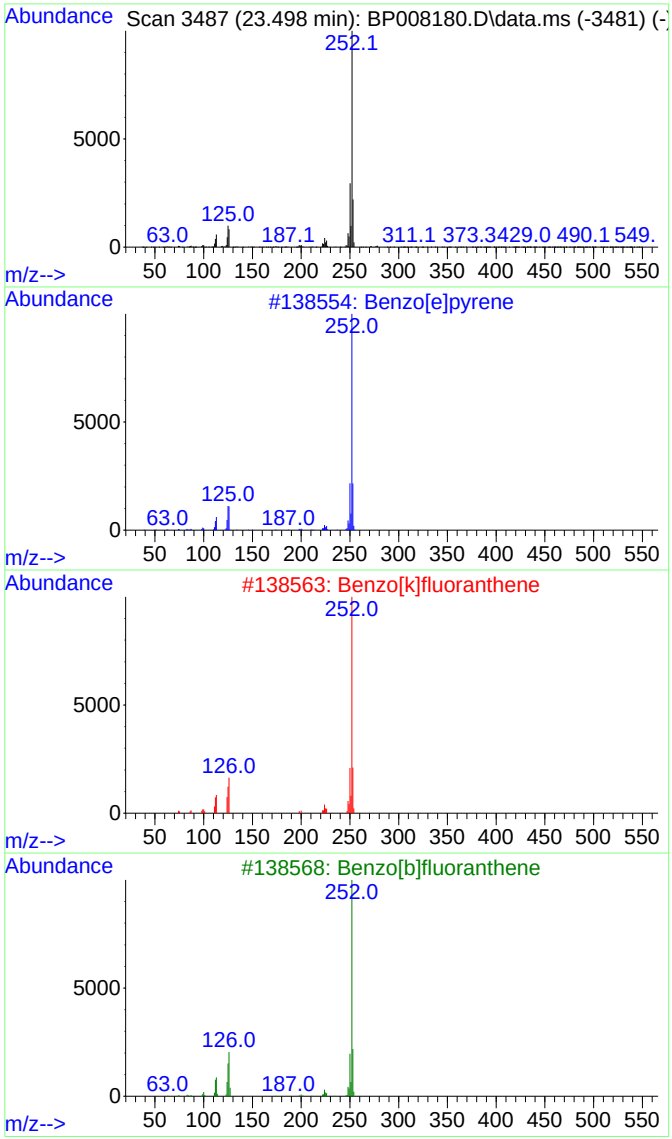
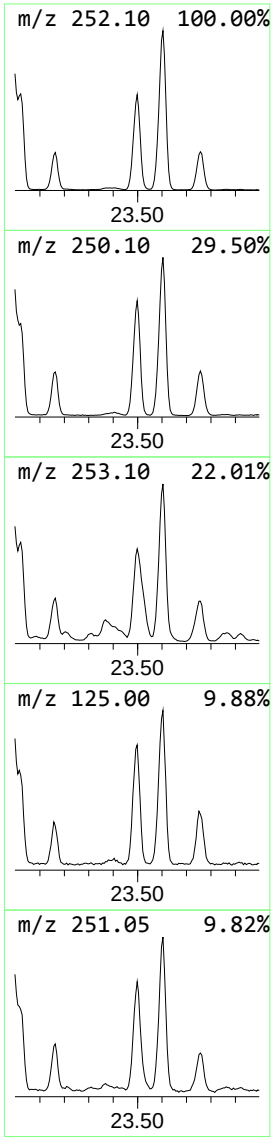
Peak Number 19 Benzo[e]pyrene Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
23.498	33.27 ng	2597180	Perylene-d12	23.704

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	98
2	Benzo[k]fluoranthene	252	C20H12	000207-08-9	96
3	Benzo[b]fluoranthene	252	C20H12	000205-99-2	93
4	Benzo[a]pyrene	252	C20H12	000050-32-8	93
5	Perylene	252	C20H12	000198-55-0	90





Tentatively Identified Compound (LSC) summary

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP120121\
Data File : BP008180.D
Acq On : 01 Dec 2021 19:18
Operator : CG/JU
Sample : M4721-02
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
SAMPLE-2

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP112521.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
Undecane, 2,6-d...	10.769	10.1	ng	391868	2	10.593	773422	20.0
Oxalic acid, 2-...	11.634	19.3	ng	744813	2	10.593	773422	20.0
Dodecane, 2,6,1...	12.987	9.0	ng	467234	3	14.445	1038070	20.0
Naphthalene, 1,...	13.763	8.5	ng	442710	3	14.445	1038070	20.0
Dibenzofuran, 4...	15.792	10.6	ng	548533	3	14.445	1038070	20.0
9H-Fluoren-9-one	16.857	13.4	ng	770748	4	17.204	1147210	20.0
Dibenzothiophene	17.022	13.0	ng	746244	4	17.204	1147210	20.0
Phenanthrene, 1...	18.075	24.8	ng	1420310	4	17.204	1147210	20.0
Phenanthrene, 2...	18.122	32.9	ng	1886230	4	17.204	1147210	20.0
1H-Cyclopropa[l...	18.198	13.8	ng	791370	4	17.204	1147210	20.0
Benzaldehyde, 3...	18.263	33.8	ng	1939020	4	17.204	1147210	20.0
Phenanthrene, 4...	18.298	12.8	ng	734186	4	17.204	1147210	20.0
5,16[1',2']:8,1...	18.563	14.8	ng	848400	4	17.204	1147210	20.0
9,10-Anthracene...	18.604	12.3	ng	703154	4	17.204	1147210	20.0
di-p-Tolylacety...	18.963	15.1	ng	864032	4	17.204	1147210	20.0
Pyrene, 4,5,9,1...	19.028	8.1	ng	462046	4	17.204	1147210	20.0
Cyclopenta(def)...	19.104	16.4	ng	938056	4	17.204	1147210	20.0
Benzo[e]pyrene	23.498	33.3	ng	2597180	6	23.704	1561370	20.0