LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP010721\
Data File : BP004490.D
Acq On : 07 Jan 2021 20:54
Operator : CG/JU
Sample : M1021-01 2X
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : OK-02-010621

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-BP121120.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BP004490.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	4.946	294	299	308	rVB	171593	255388	1.90%	0.165%
2	5.405	371	377	387	rBV	2310994	3412121	25.34%	2.207%
3	6.987	639	646	663	rVB	2355575	3827501	28.43%	2.476%
4	7.816	780	787	795	rBV	1376065	2199997	16.34%	1.423%
5	8.358	873	879	892	rBV	91115	220039	1.63%	0.142%
6	8.969	977	983	992	rVB	1447785	2475548	18.39%	1.601%
7	10.610	1252	1262	1267	rBV	1788536	3060762	22.73%	1.980%
8	10.663	1267	1271	1278	rVB	257894	438031	3.25%	0.283%
9	12.275	1536	1545	1552	rVB	234096	410289	3.05%	0.265%
10	12.499	1571	1583	1593	rBV	262231	475787	3.53%	0.308%
11	13.081	1675	1682	1691	rBV	3787941	5482884	40.73%	3.547%
12	13.293	1713	1718	1725	rVB2	184633	282134	2.10%	0.182%
13	13.640	1768	1777	1783	rBV2	120711	328371	2.44%	0.212%
14	13.787	1795	1802	1807	rBV	264498	466120	3.46%	0.302%
15	13.840	1807	1811	1816	rVB	143227	203060	1.51%	0.131%
16	13.916	1816	1824	1828	rBV2	151980	237501	1.76%	0.154%
17	14.022	1834	1842	1845	rBV	127247	217761	1.62%	0.141%
18	14.187	1864	1870	1884	rVB	429252	720106	5.35%	0.466%
19	14.369	1896	1901	1907	rBV	129686	181958	1.35%	0.118%
20	14.469	1907	1918	1923	rVV	2169217	3488768	25.91%	2.257%
21	14.528	1923	1928	1936	rVV	920173	1455218	10.81%	0.941%
22	14.681	1948	1954	1962	rVB2	71947	164787	1.22%	0.107%
23	14.775	1963	1970	1975	rBV2	64669	145803	1.08%	0.094%
24	14.869	1979	1986	1993	rVB	461069	773762	5.75%	0.501%
25	14.945	1993	1999	2003	rBV	136089	196666	1.46%	0.127%
26	15.087	2015	2023	2028	rBV3	133548	303024	2.25%	0.196%
27	15.263	2045	2053	2056	rBV4	94034	208376	1.55%	0.135%
28	15.328	2060	2064	2073	rVB2	150161	248842	1.85%	0.161%
29	15.516	2091	2096	2108	rVB	912403	1471750	10.93%	0.952%
30	15.734	2128	2133	2137	rBV4	136527	227637	1.69%	0.147%
31	15.816	2142	2147	2157	rVB2	183424	357751	2.66%	0.231%
32	15.963	2164	2172	2180	rBV	2147117	3321563	24.67%	2.149%
33	16.198	2207	2212	2220	rVB2	253969	470025	3.49%	0.304%
34	16.475	2254	2259	2263	rBV	278108	399520	2.97%	0.258%
35	16.528	2263	2268	2273	rVV2	250786	453855	3.37%	0.294%
36	16.581	2273	2277	2282	rVB2	146847	216702	1.61%	0.140%

LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP010721\
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Acq On : 07 Jan 2021 20:54
Operator : CG/JU
Sample : M1021-01 2X
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : OK-02-010621

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-BP121120.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

37	16.681	2290	2294	2299	rVB2	119959	165232	1.23%	0.107%
38	16.781	2305	2311	2313	rBV3	113939	219366	1.63%	0.142%
39	16.881	2324	2328	2335	rVB2	192739	321415	2.39%	0.208%
40	16.957	2337	2341	2343	rVV2	93423	135080	1.00%	0.087%
41	16.987	2343	2346	2351	rVV2	164597	254880	1.89%	0.165%
42	17.045	2351	2356	2365	rVB	519208	832599	6.18%	0.539%
43	17.151	2368	2374	2379	rBV	830614	1114016	8.27%	0.721%
44	17.228	2381	2387	2390	rBV	2078985	3022892	22.45%	1.955%
45	17.275	2390	2395	2401	rVV	5921002	8822214	65.53%	5.707%
46	17.363	2401	2410	2415	rVB	2072455	2976166	22.11%	1.925%
47	17.416	2415	2419	2425	rBV3	354711	555443	4.13%	0.359%
48	17.598	2445	2450	2454	rBV	1369451	2137050	15.87%	1.382%
49	17.634	2454	2456	2462	rVB	591402	706089	5.24%	0.457%
50	17.739	2469	2474	2479	rBV2	206702	401151	2.98%	0.259%
51	17.810	2482	2486	2494	rVB	328554	474232	3.52%	0.307%
52	17.951	2506	2510	2517	rVB	201376	348371	2.59%	0.225%
53	18.022	2518	2522	2526	rBV2	94806	152036	1.13%	0.098%
54	18.098	2529	2535	2539	rVV	957282	1492219	11.08%	0.965%
55	18.145	2539	2543	2548	rVV	1157282	1650116	12.26%	1.067%
56	18.222	2552	2556	2561	rVV	494757	699562	5.20%	0.453%
57	18.286	2561	2567	2571	rVV2	1616228	2912917	21.64%	1.884%
58	18.322	2571	2573	2579	rVB	650048	787220	5.85%	0.509%
59	18.404	2584	2587	2590	rBV2	187609	205151	1.52%	0.133%
60	18.486	2597	2601	2604	rVB3	195878	250003	1.86%	0.162%
61	18.581	2613	2617	2621	rBV2	600099	836840	6.22%	0.541%
62	18.628	2621	2625	2634	rVB2	470126	860371	6.39%	0.557%
63	18.798	2650	2654	2656	rBV	191487	304207	2.26%	0.197%
64	18.822	2656	2658	2661	rVB	181427	170852	1.27%	0.111%
65	18.863	2661	2665	2669	rBV2	420716	693268	5.15%	0.448%
66	18.910	2670	2673	2676	rVB2	270615	331029	2.46%	0.214%
67	18.992	2682	2687	2690	rBV	749917	1321970	9.82%	0.855%
68	19.128	2705	2710	2715	rBV3	433718	858427	6.38%	0.555%
69	19.245	2725	2730	2736	rBV	8761087	12247805	90.97%	7.922%
70	19.304	2737	2740	2743	rVV	224286	290384	2.16%	0.188%
71	19.339	2743	2746	2750	rVB2	241525	286200	2.13%	0.185%
72	19.392	2752	2755	2759	rVB2	214936	268589	2.00%	0.174%
73	19.481	2766	2770	2773	rBV2	529150	731118	5.43%	0.473%
74	19.598	2781	2790	2798	rBV	7747302	13462904	100.00%	8.708%
75	19.669	2798	2802	2808	rVB2	510376	792899	5.89%	0.513%
76	19.792	2816	2823	2827	rBV	4106405	5242292	38.94%	3.391%

LSC Area Percent Report

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Acq On : 07 Jan 2021 20:54
Operator : CG/JU
Sample : M1021-01 2X
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : OK-02-010621

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-BP121120.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

77	19.833	2827	2830	2835	rVB	471982	674022	5.01%	0.436%
78	19.910	2839	2843	2850	rBV2	550195	1345635	10.00%	0.870%
79	20.045	2863	2866	2867	rBV2	339295	368748	2.74%	0.239%
80	20.081	2868	2872	2878	rVB2	1331227	2116678	15.72%	1.369%
81	20.181	2885	2889	2892	rBV	945276	1104570	8.20%	0.714%
82	20.233	2895	2898	2902	rVB2	779825	1011709	7.51%	0.654%
83	20.375	2918	2922	2925	rBV	639758	827391	6.15%	0.535%
84	20.416	2926	2929	2933	rVB	634767	764183	5.68%	0.494%
85	20.663	2968	2971	2975	rBV	784247	1068625	7.94%	0.691%
86	20.816	2994	2997	3002	rVB	521926	728965	5.41%	0.472%
87	20.975	3021	3024	3028	rBV	585604	676392	5.02%	0.438%
88	21.010	3028	3030	3033	rBV	478871	520158	3.86%	0.336%
89	21.310	3076	3081	3087	rBV3	5041128	10053451	74.68%	6.503%
90	21.363	3087	3090	3099	rVB	3998411	5256446	39.04%	3.400%
91	21.480	3106	3110	3116	rBV2	787120	1148757	8.53%	0.743%
92	22.974	3357	3364	3369	rBV	2649815	6942755	51.57%	4.491%
93	23.480	3445	3450	3458	rVB	1842114	3579819	26.59%	2.316%
94	23.580	3461	3467	3475	rVB	2821856	5869822	43.60%	3.797%
95	23.686	3480	3485	3490	rVV2	1335837	2403277	17.85%	1.555%

Sum of corrected areas: 154595385

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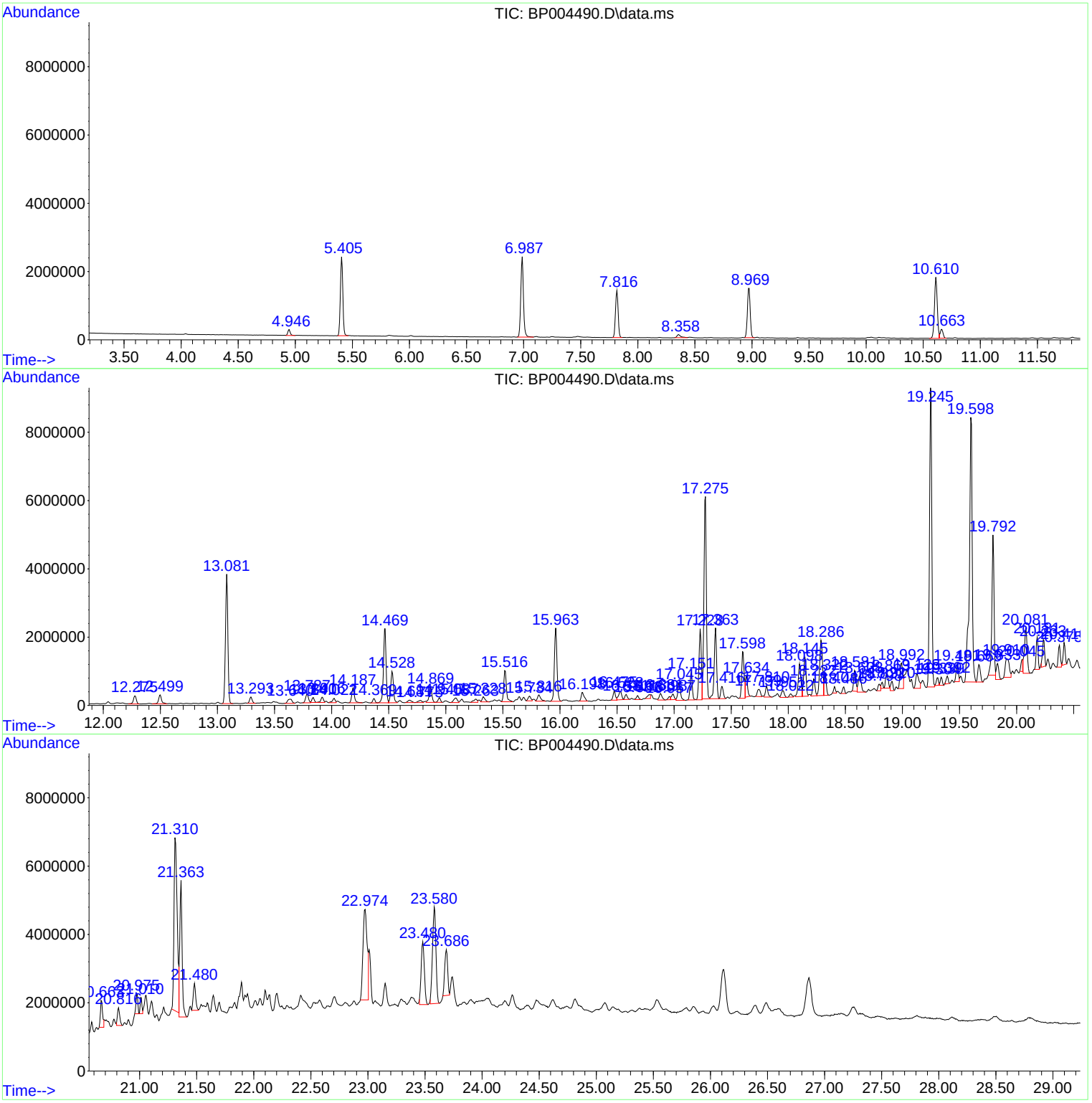
Data File : BP004490.D
Acq On : 07 Jan 2021 20:54
Operator : CG/JU
Sample : M1021-01 2X
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
OK-02-010621

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270E-BP121120.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\BP010721\
Data File : BP004490.D
Acq On : 07 Jan 2021 20:54
Operator : CG/JU
Sample : M1021-01 2X
Misc :
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Instrument :
BNA_P
ClientSampleId :
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270E-BP121120.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

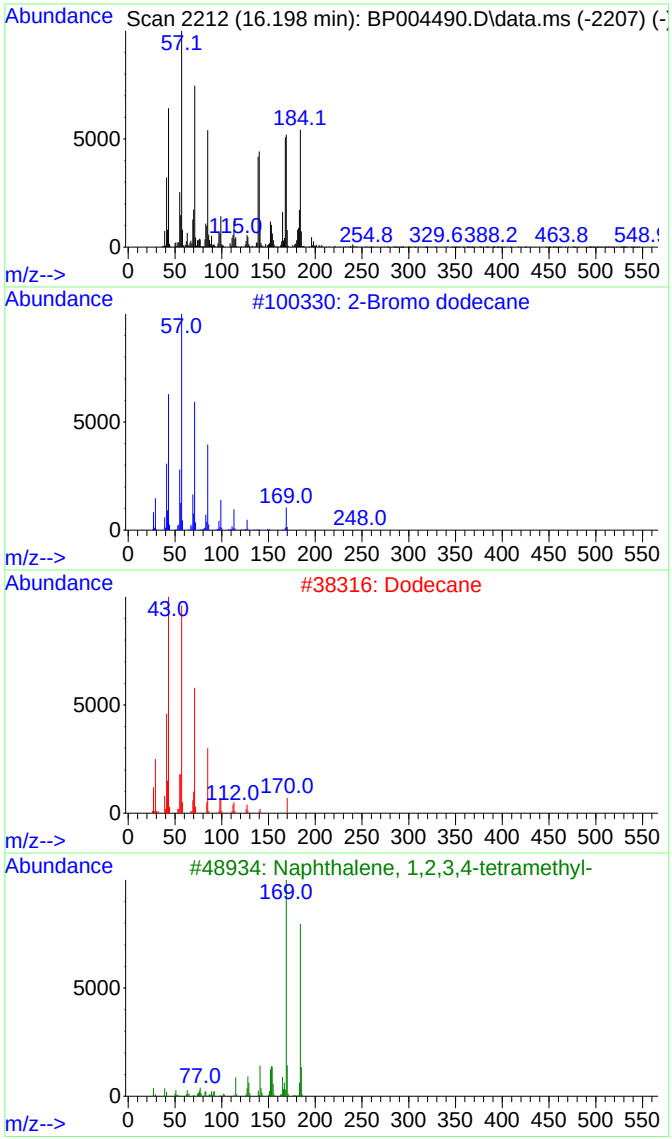
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

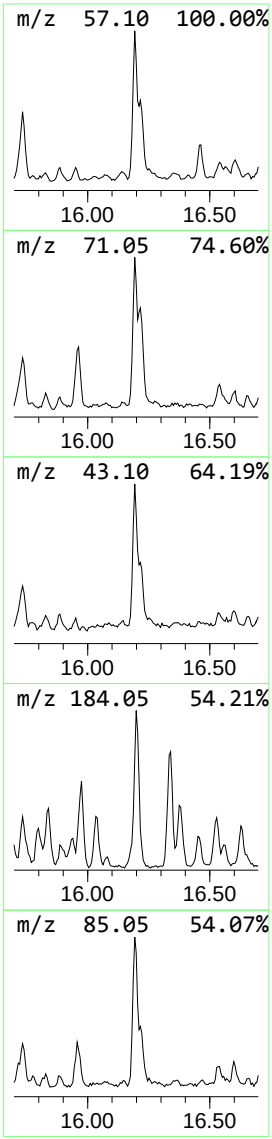
****

Peak Number 2 2-Bromo dodecane Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.198	3.11 ng	470025	Phenanthrene-d10	17.228

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Bromo dodecane	248	C12H25Br	013187-99-0	55
2	Dodecane	170	C12H26	000112-40-3	47
3	Naphthalene, 1,2,3,4-tetramethyl-	184	C14H16	003031-15-0	44
4	Tridecane, 3-methyl-	198	C14H30	006418-41-3	41
5	Dodecane, 2-methyl-6-propyl-	226	C16H34	055045-08-4	38





Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP010721\
Data File : BP004490.D
Acq On : 07 Jan 2021 20:54
Operator : CG/JU
Sample : M1021-01 2X
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : OK-02-010621

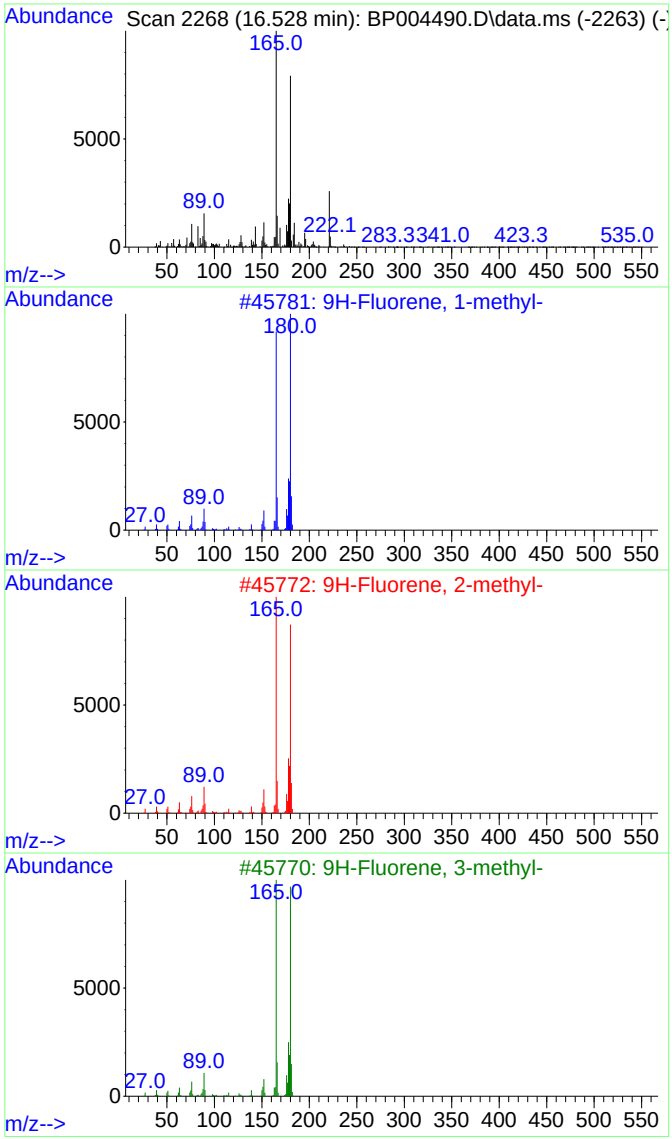
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270E-BP121120.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

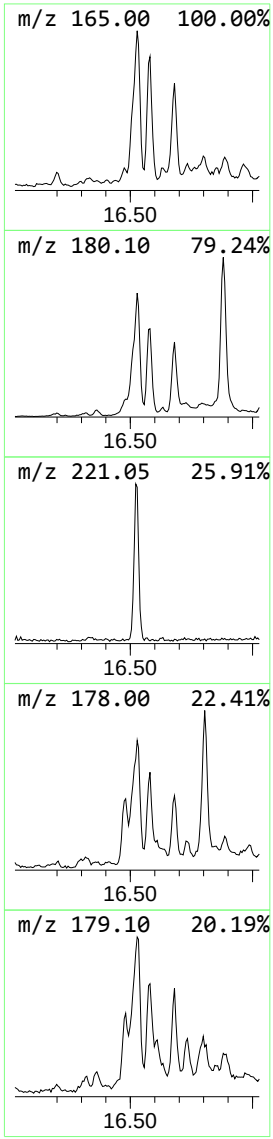
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 3 9H-Fluorene, 1-methyl- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.528	3.00 ng	453855	Phenanthrene-d10	17.228

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	92
2	9H-Fluorene, 2-methyl-	180	C14H12	001430-97-3	92
3	9H-Fluorene, 3-methyl-	180	C14H12	002523-39-9	92
4	9H-Fluorene, 9-methyl-	180	C14H12	002523-37-7	86
5	(E)-Stilbene	180	C14H12	000103-30-0	58





Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP010721\
Data File : BP004490.D
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Sample : M1021-01 2X
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : OK-02-010621

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270E-BP121120.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

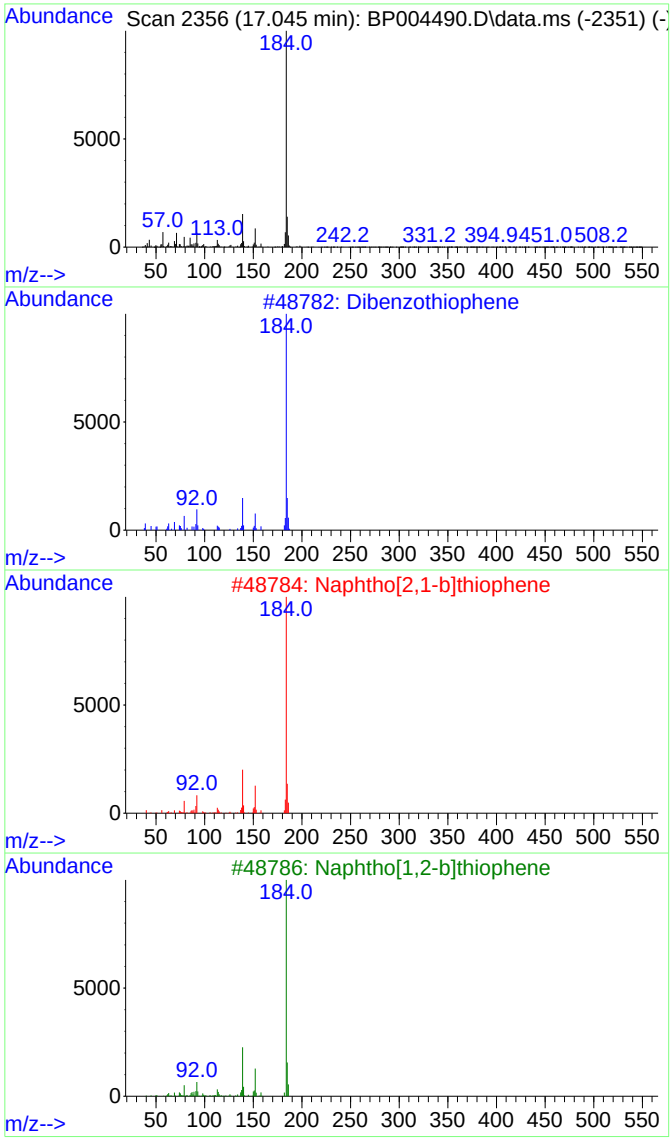
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

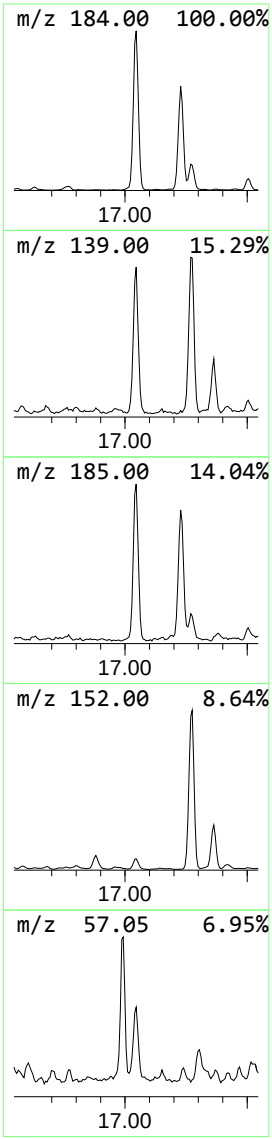
****

Peak Number 4 Dibenzothiophene Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.045	5.51 ng	832599	Phenanthrene-d10	17.228

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[1,2-b]thiophene	184	C12H8S	000234-41-3	94
4	Naphtho[2,3-b]thiophene	184	C12H8S	000268-77-9	94
5	Azuleno(2,1-b)thiophene	184	C12H8S	000248-13-5	90





Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP010721\
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Acq On : 07 Jan 2021 20:54
Operator : CG/JU
Sample : M1021-01 2X
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : OK-02-010621

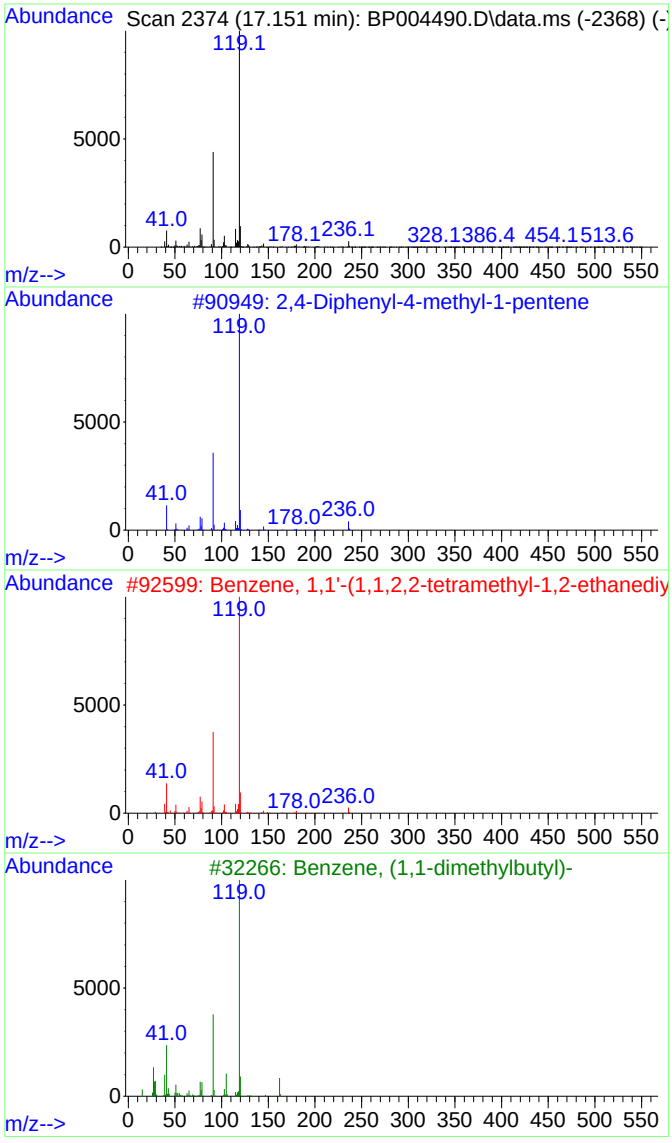
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270E-BP121120.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

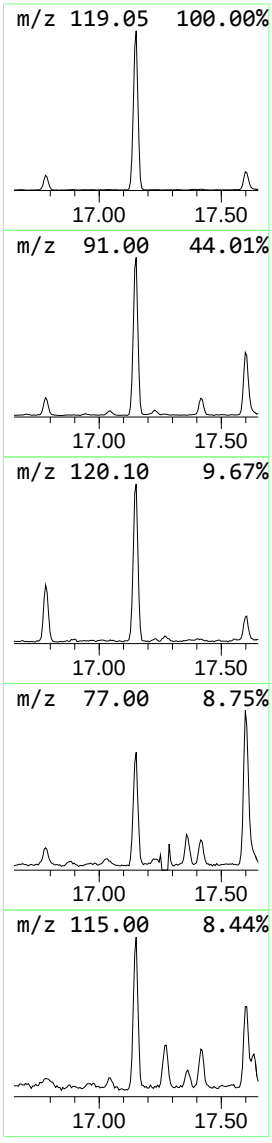
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 5 2,4-Diphenyl-4-methyl-1-pen... Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.151	7.37 ng	1114020	Phenanthrene-d10	17.228

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2,4-Diphenyl-4-methyl-1-pentene	236	C18H20	1000111-58-0	90
2	Benzene, 1,1'-(1,1,2,2-tetrameth...	238	C18H22	001889-67-4	90
3	Benzene, (1,1-dimethylbutyl)-	162	C12H18	001985-57-5	78
4	2-Hexanone, 5-methyl-5-phenyl-	190	C13H18O	014128-61-1	78
5	1-Chloro-2-methyl-2-phenylpropane	168	C10H13Cl	000515-40-2	78





Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP010721\
Data File : BP004490.D
Acq On : 07 Jan 2021 20:54
Operator : CG/JU
Sample : M1021-01 2X
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
OK-02-010621

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270E-BP121120.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

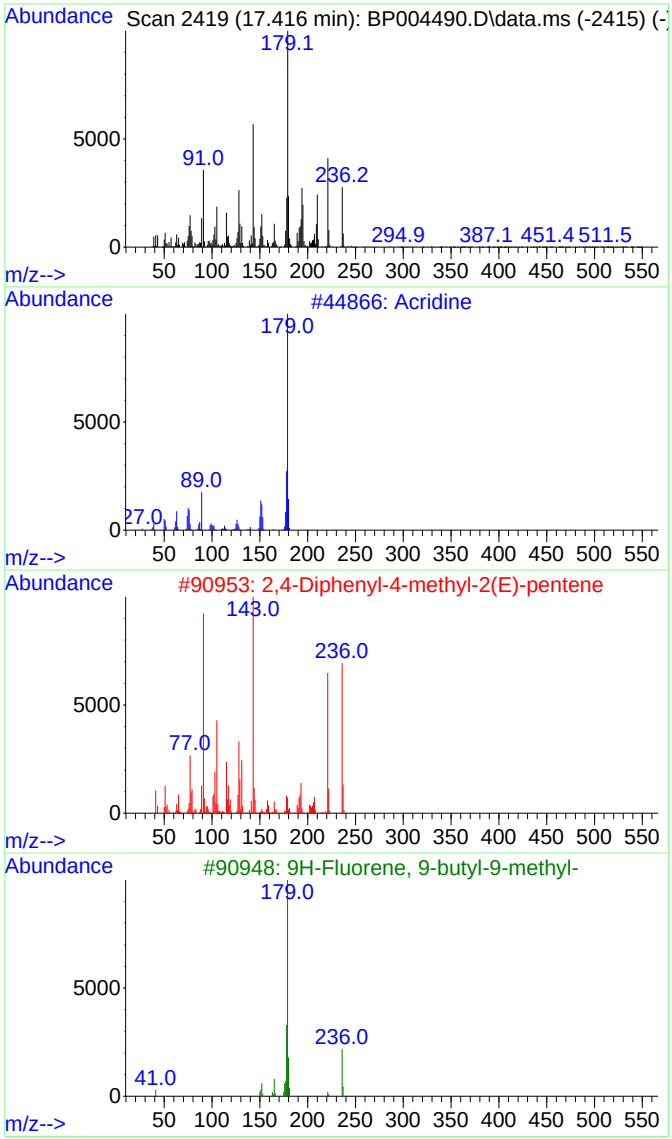
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

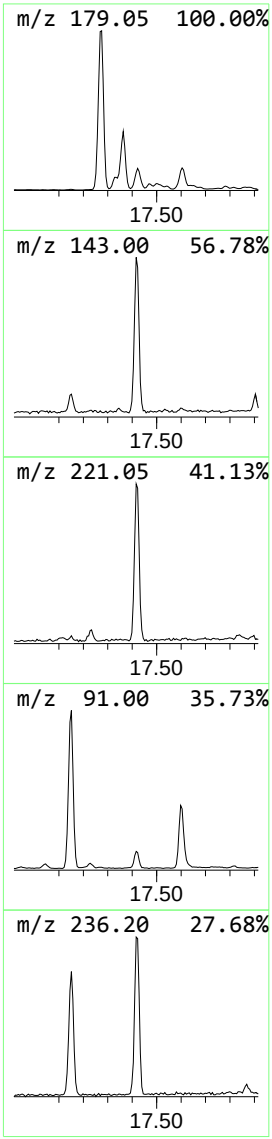
****

Peak Number 6 Acridine Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.416	3.67 ng	555443	Phenanthrene-d10	17.228

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Acridine	179	C13H9N	000260-94-6	76
2	2,4-Diphenyl-4-methyl-2(E)-pentene	236	C18H20	022768-22-5	59
3	9H-Fluorene, 9-butyl-9-methyl-	236	C18H20	042348-92-5	42
4	Benzo[h]quinoline	179	C13H9N	000230-27-3	38
5	Phenanthridine	179	C13H9N	000229-87-8	38





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Data File : BP004490.D
Acq On : 07 Jan 2021 20:54
Operator : CG/JU
Sample : M1021-01 2X
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
OK-02-010621

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270E-BP121120.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

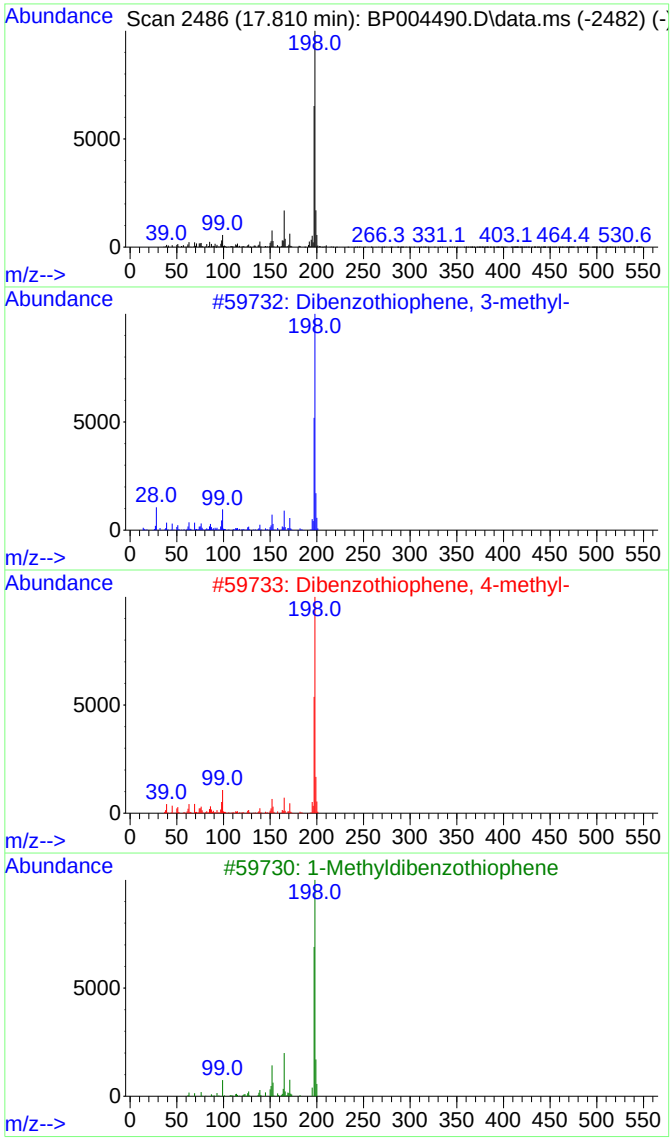
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

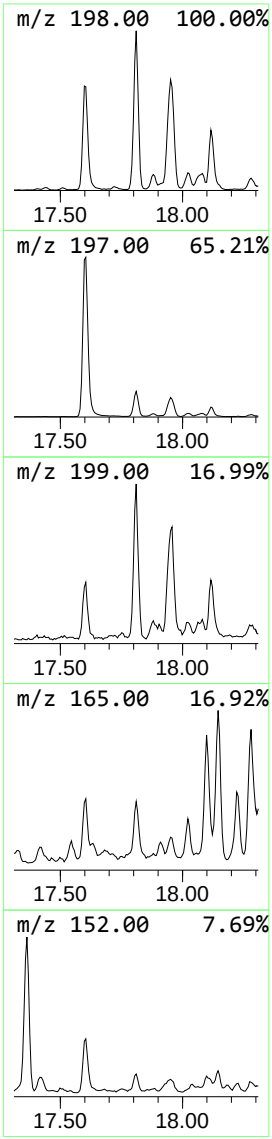
****

Peak Number 7 Dibenzothiophene, 3-methyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.810	3.14 ng	474232	Phenanthrene-d10	17.228

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzothiophene, 3-methyl-	198	C13H10S	016587-52-3	93
2	Dibenzothiophene, 4-methyl-	198	C13H10S	007372-88-5	87
3	1-Methyldibenzothiophene	198	C13H10S	031317-07-4	86
4	Benzene, 1,1'-(1-fluoro-1,2-ethe...	198	C14H11F	000671-19-2	72
5	Benzene, 1-fluoro-4-(2-phenyleth...	198	C14H11F	017404-69-2	72





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Data File : BP004490.D
Acq On : 07 Jan 2021 20:54
Operator : CG/JU
Sample : M1021-01 2X
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
OK-02-010621

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270E-BP121120.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

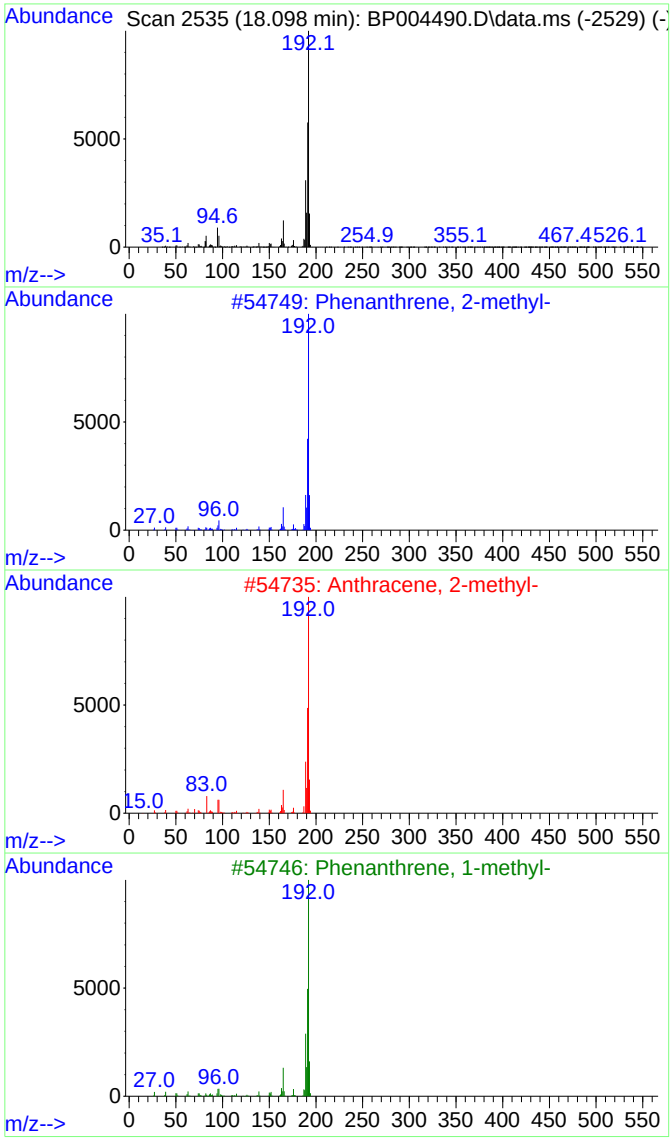
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

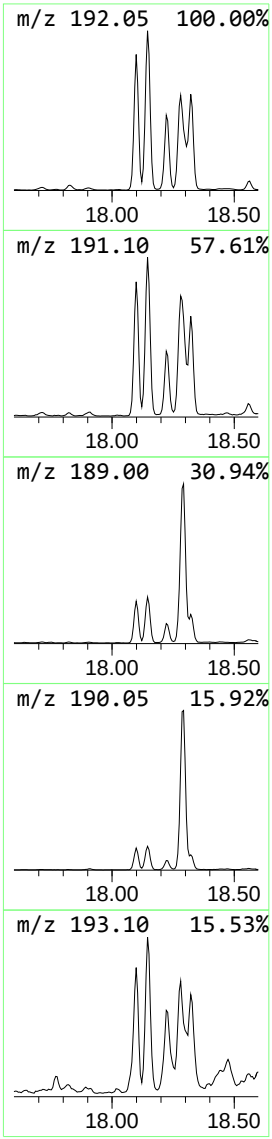
****

Peak Number 8 Phenanthrene, 2-methyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.098	9.87 ng	1492220	Phenanthrene-d10	17.228

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
2	Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
3	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	95
4	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	95
5	Anthracene, 9-methyl-	192	C15H12	000779-02-2	91





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Acq On : 07 Jan 2021 20:54
Operator : CG/JU
Sample : M1021-01 2X
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
OK-02-010621

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270E-BP121120.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

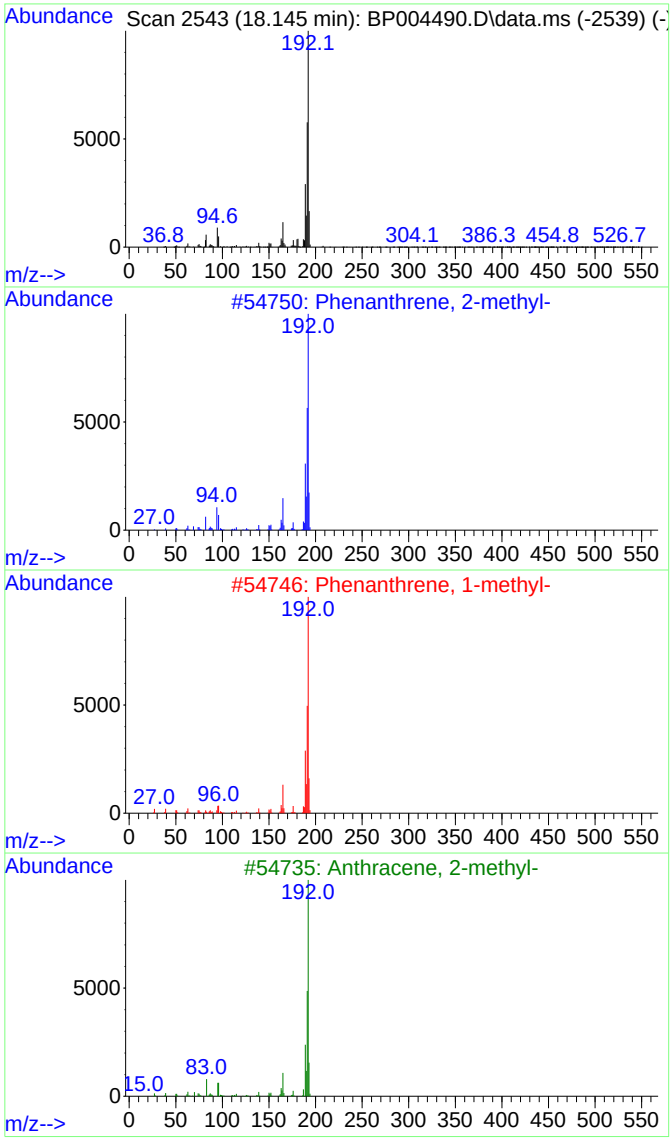
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

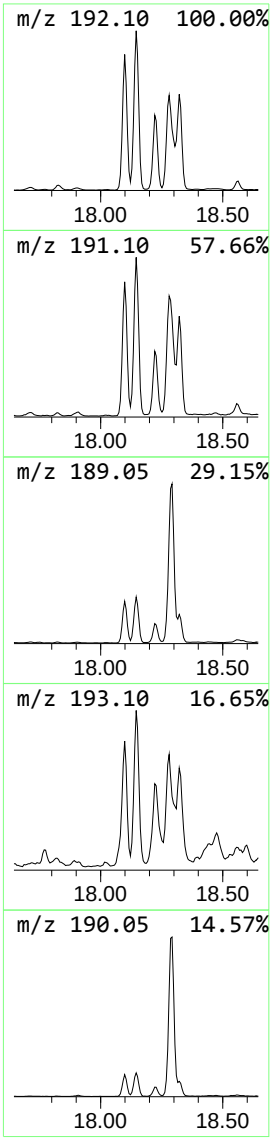
****

Peak Number 9 Phenanthrene, 1-methyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.145	10.92 ng	1650120	Phenanthrene-d10	17.228

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	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	95
5	Anthracene, 1-methyl-	192	C15H12	000610-48-0	94





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Data File : BP004490.D
Acq On : 07 Jan 2021 20:54
Operator : CG/JU
Sample : M1021-01 2X
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
OK-02-010621

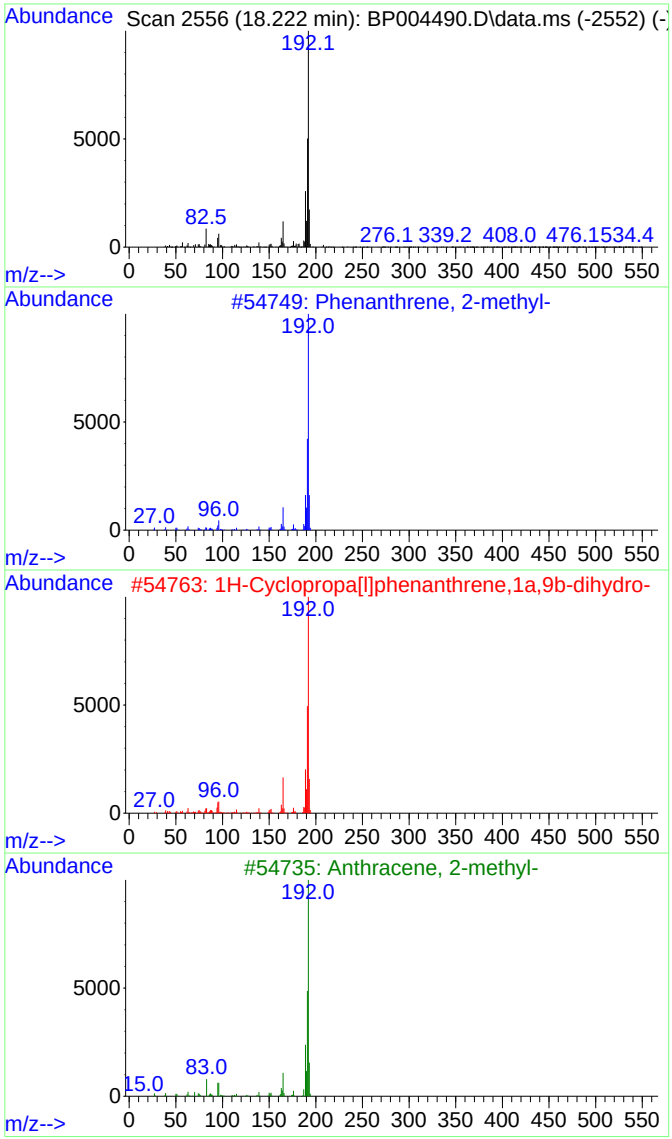
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270E-BP121120.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

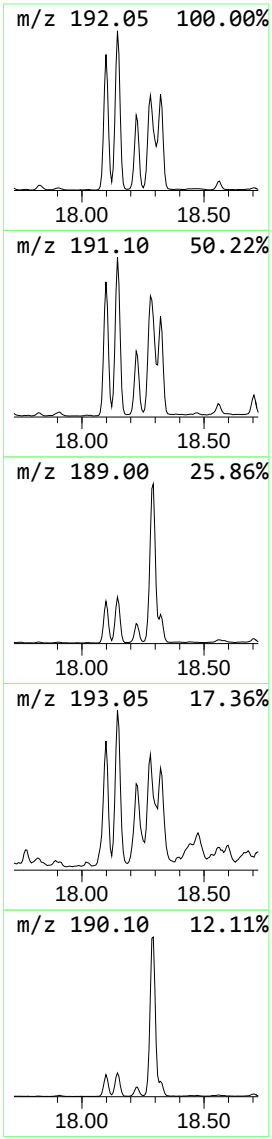
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 10 1H-Cyclopropa[l]phenanthren... Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.222	4.63 ng	699562	Phenanthrene-d10	17.228

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	97
2	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	96
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
4	Phenanthrene, 3-methyl-	192	C15H12	000832-71-3	95
5	Anthracene, 9-methyl-	192	C15H12	000779-02-2	94





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Data File : BP004490.D
Acq On : 07 Jan 2021 20:54
Operator : CG/JU
Sample : M1021-01 2X
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
OK-02-010621

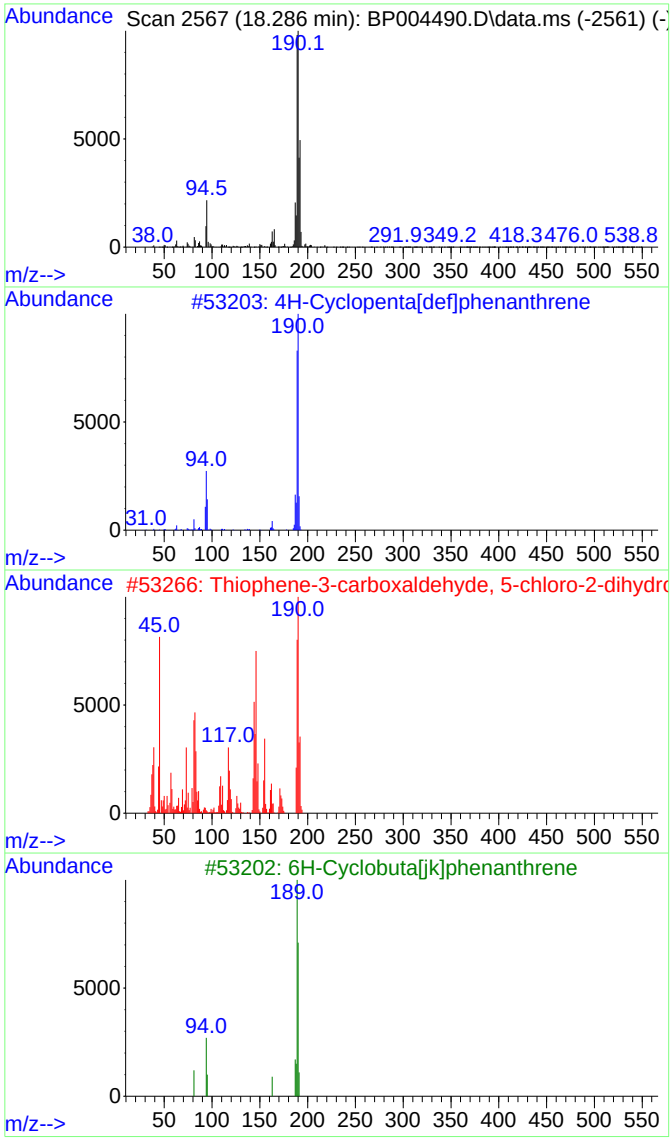
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270E-BP121120.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

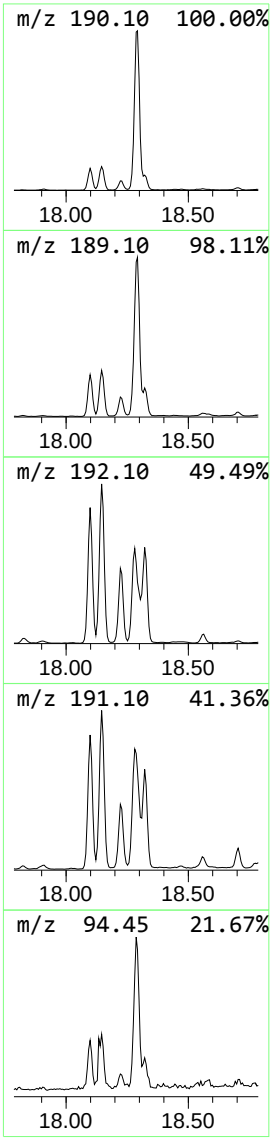
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 11 4H-Cyclopenta[def]phenanthrene Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.287	19.27 ng	2912920	Phenanthrene-d10	17.228

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	94
2	Thiophene-3-carboxaldehyde, 5-ch...	190	C5H4BClO3S	036155-87-0	53
3	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	53
4	2,2'-Bis(4,5-dimethylimidazole)	190	C10H14N4	069286-06-2	40
5	Carbonic acid, ethyl 2-formyl-4,...	262	C10H8Cl2O4	1000331-34-4	40





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Acq On : 07 Jan 2021 20:54
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Sample : M1021-01 2X
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
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ClientSampleId :
OK-02-010621

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270E-BP121120.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

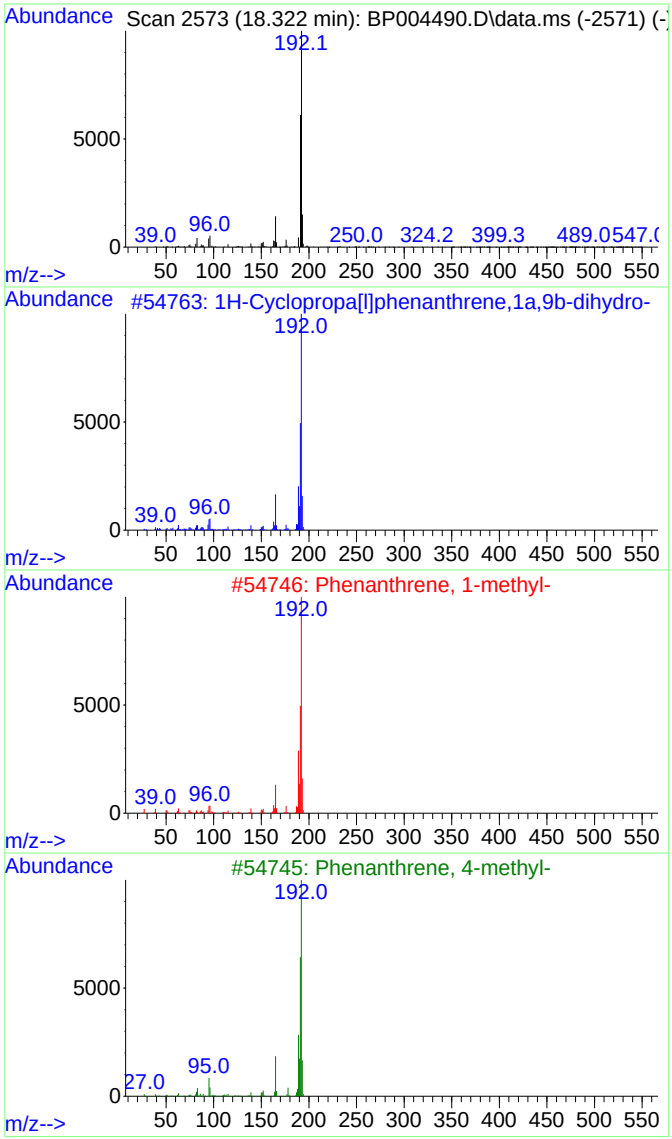
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

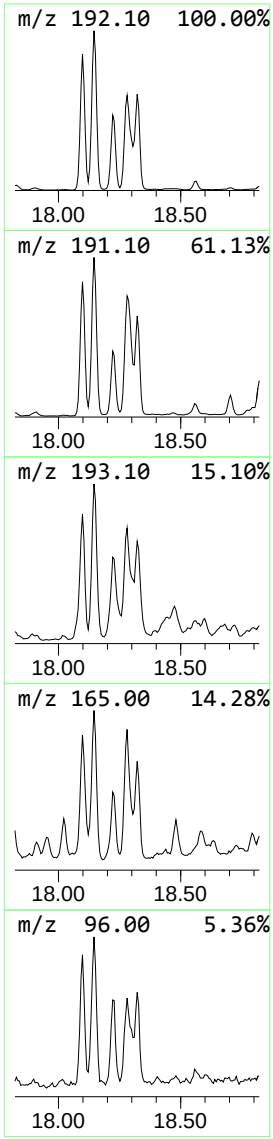
****

Peak Number 12 Phenanthrene, 4-methyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.322	5.21 ng	787220	Phenanthrene-d10	17.228

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	94
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	93
3	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	93
4	Anthracene, 2-methyl-	192	C15H12	000613-12-7	91
5	Anthracene, 9-methyl-	192	C15H12	000779-02-2	91





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Data File : BP004490.D
Acq On : 07 Jan 2021 20:54
Operator : CG/JU
Sample : M1021-01 2X
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
OK-02-010621

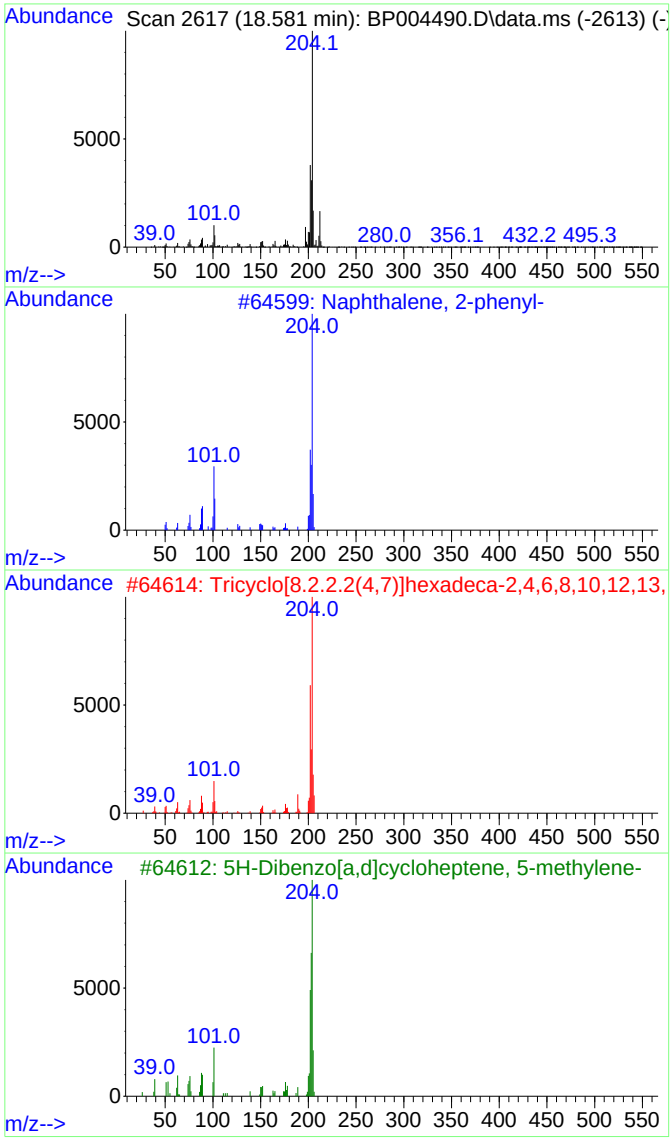
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270E-BP121120.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

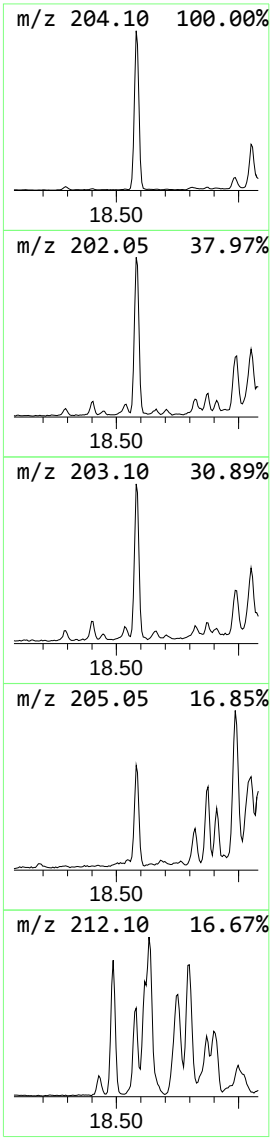
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 13 Naphthalene, 2-phenyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.581	5.54 ng	836840	Phenanthrene-d10	17.228

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	86
2	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	58
3	5H-Dibenzo[a,d]cycloheptene, 5-m...	204	C16H12	002975-79-3	53
4	Levamisole	204	C11H12N2S	014769-73-4	49
5	Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	49





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Operator : CG/JU
Sample : M1021-01 2X
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
OK-02-010621

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270E-BP121120.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

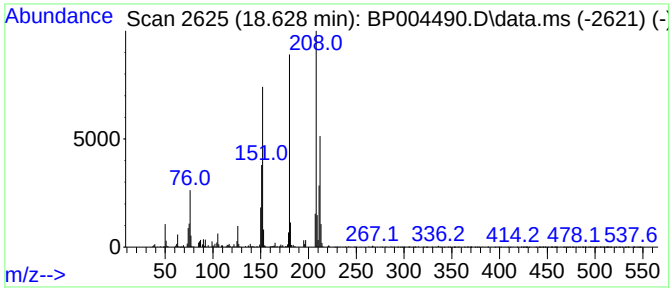
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

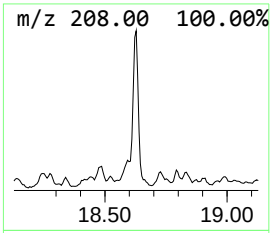
****

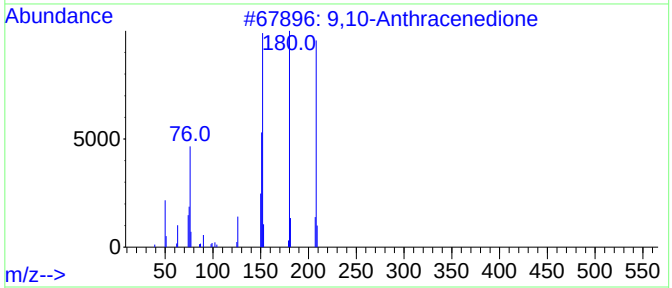
Peak Number 14 9,10-Anthracenedione Concentration Rank 7

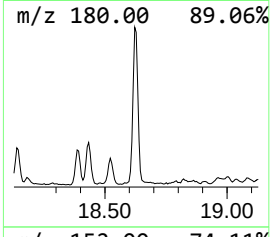
R.T.	EstConc	Area	Relative to ISTD	R.T.
18.628	5.69 ng	860371	Phenanthrene-d10	17.228

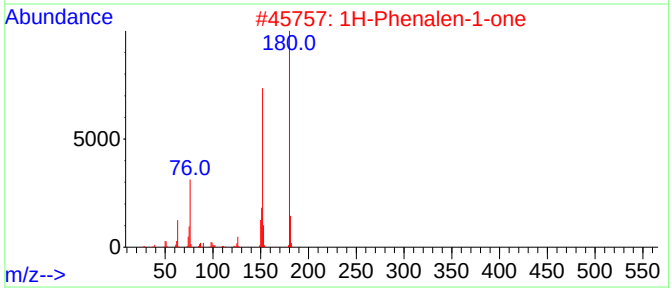
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Anthracenedione	208	C14H8O2	000084-65-1	97
2	1H-Phenalen-1-one	180	C13H8O	000548-39-0	50
3	Benzo[c]cinnoline	180	C12H8N2	000230-17-1	50
4	Benzo[h]cinnoline	180	C12H8N2	000230-31-9	50
5	1,4-Anthracenedione	208	C14H8O2	000635-12-1	46

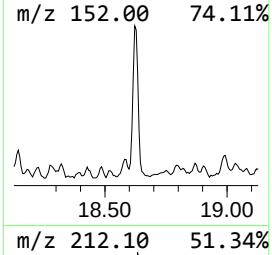


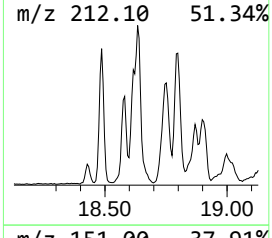


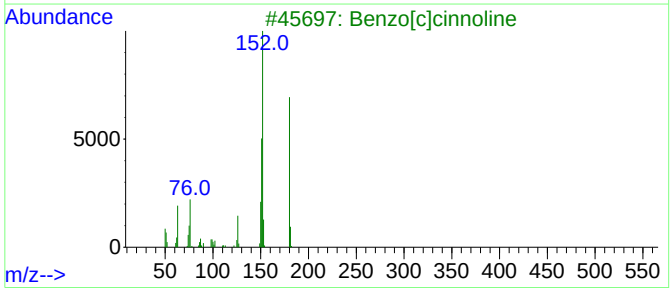


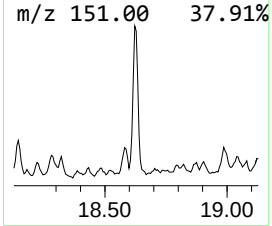












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Data File : BP004490.D
Acq On : 07 Jan 2021 20:54
Operator : CG/JU
Sample : M1021-01 2X
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
OK-02-010621

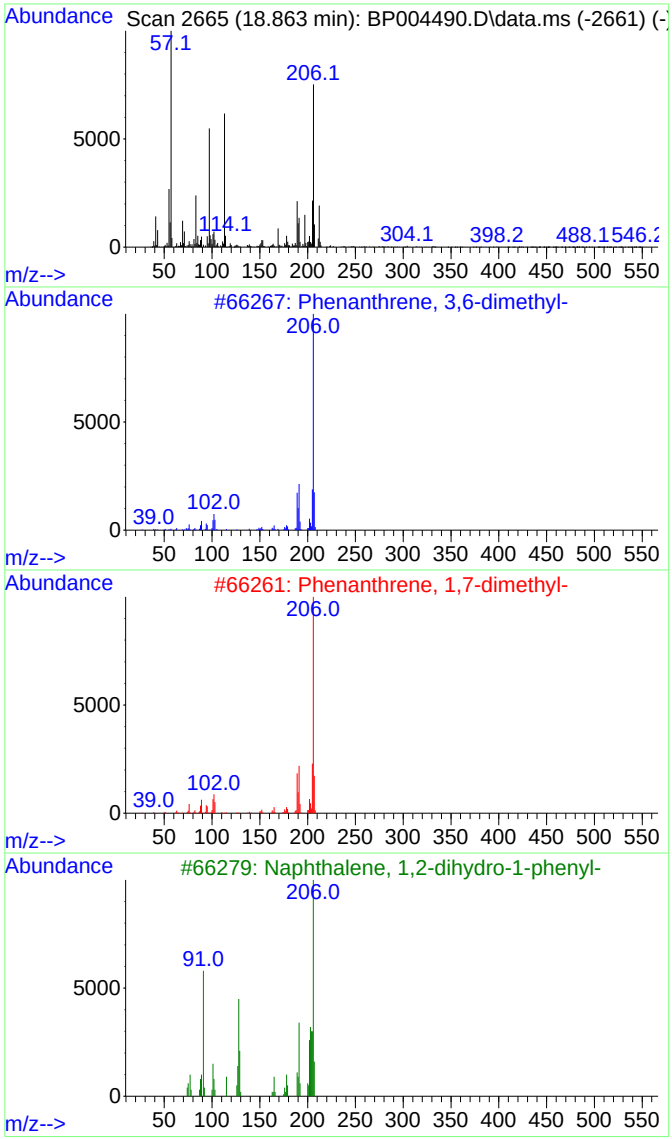
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270E-BP121120.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

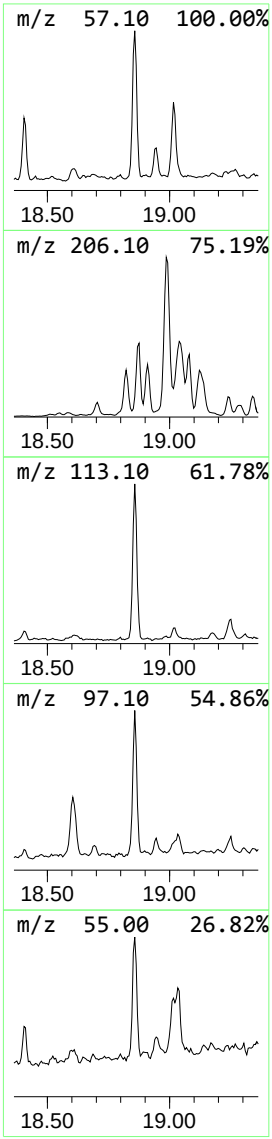
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 15 Phenanthrene, 3,6-dimethyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.863	4.59 ng	693268	Phenanthrene-d10	17.228

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	86
2	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	86
3	Naphthalene, 1,2-dihydro-1-phenyl-	206	C16H14	016606-46-5	45
4	di-p-Tolylacetylene	206	C16H14	002789-88-0	45
5	Phenanthrene, 2,7-dimethyl-	206	C16H14	001576-69-8	43





Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP010721\
Data File : BP004490.D
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Sample : M1021-01 2X
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
OK-02-010621

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270E-BP121120.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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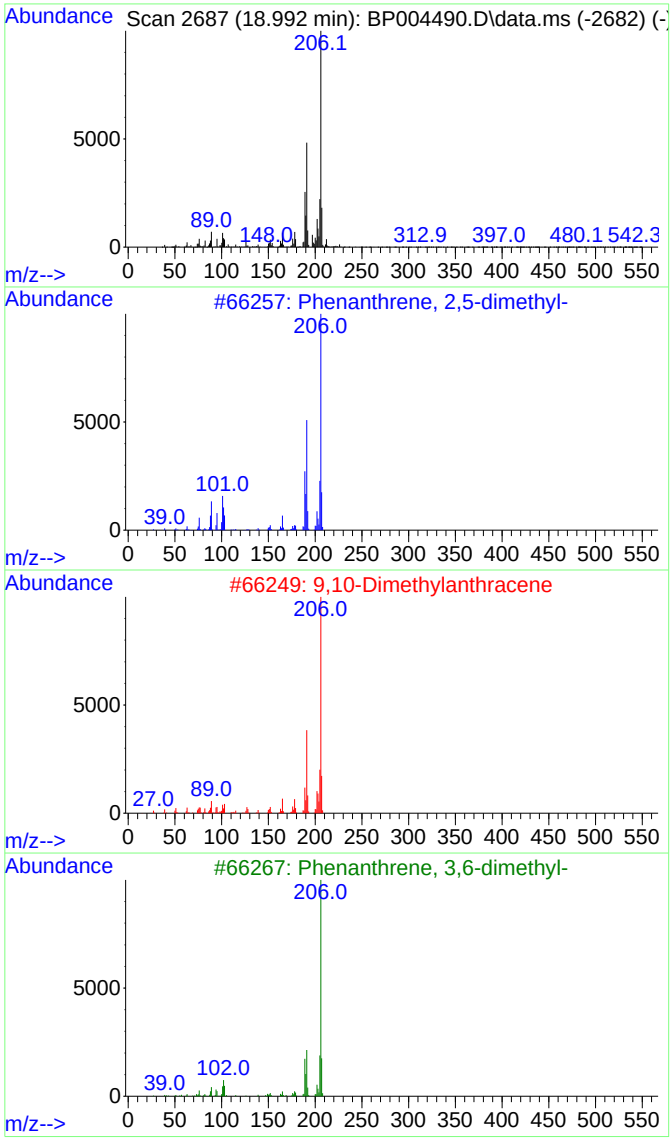
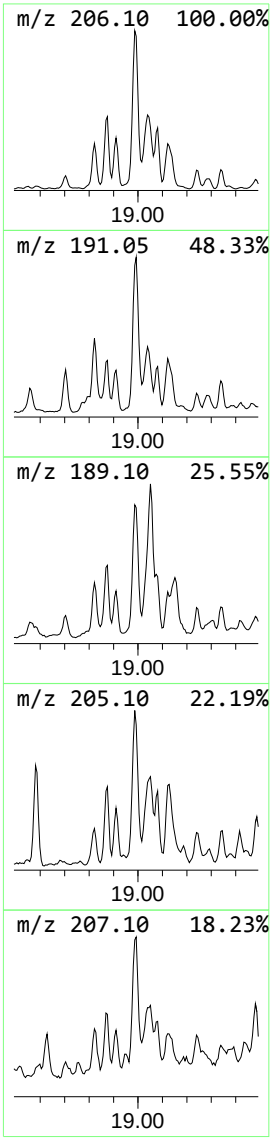
Peak Number 16 Phenanthrene, 2,5-dimethyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.992	8.75 ng	1321970	Phenanthrene-d10	17.228

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	95
2	9,10-Dimethylanthracene	206	C16H14	000781-43-1	94
3	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	87
4	Anthracene, 1,4-dimethyl-	206	C16H14	000781-92-0	87
5	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	87





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Data File : BP004490.D
Acq On : 07 Jan 2021 20:54
Operator : CG/JU
Sample : M1021-01 2X
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
OK-02-010621

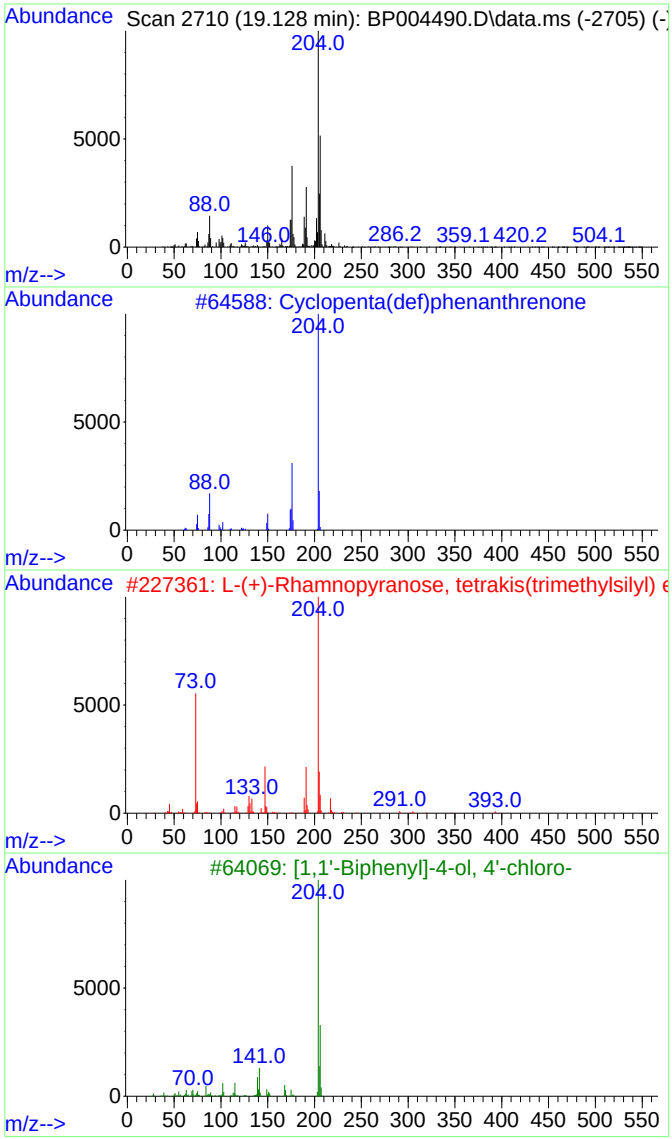
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270E-BP121120.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

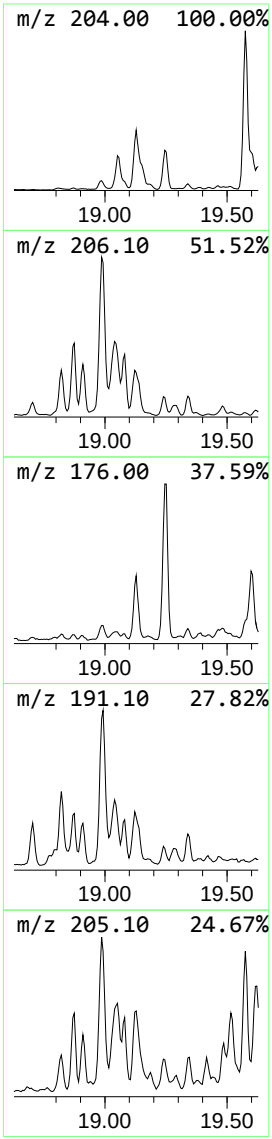
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 17 Cyclopenta(def)phenanthrenone Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.128	5.68 ng	858427	Phenanthrene-d10	17.228

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	95
2	L-(+)-Rhamnopyranose, tetrakis(t...	452	C18H44O5Si4	1000380-12-9	47
3	[1,1'-Biphenyl]-4-ol, 4'-chloro-	204	C12H9ClO	028034-99-3	46
4	9,10-Dimethylanthracene	206	C16H14	000781-43-1	46
5	1,2,4,8-Tetramethylbicyclo[6.3.0...	204	C15H24	137235-51-9	43





Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP010721\
Data File : BP004490.D
Acq On : 07 Jan 2021 20:54
Operator : CG/JU
Sample : M1021-01 2X
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : OK-02-010621

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270E-BP121120.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

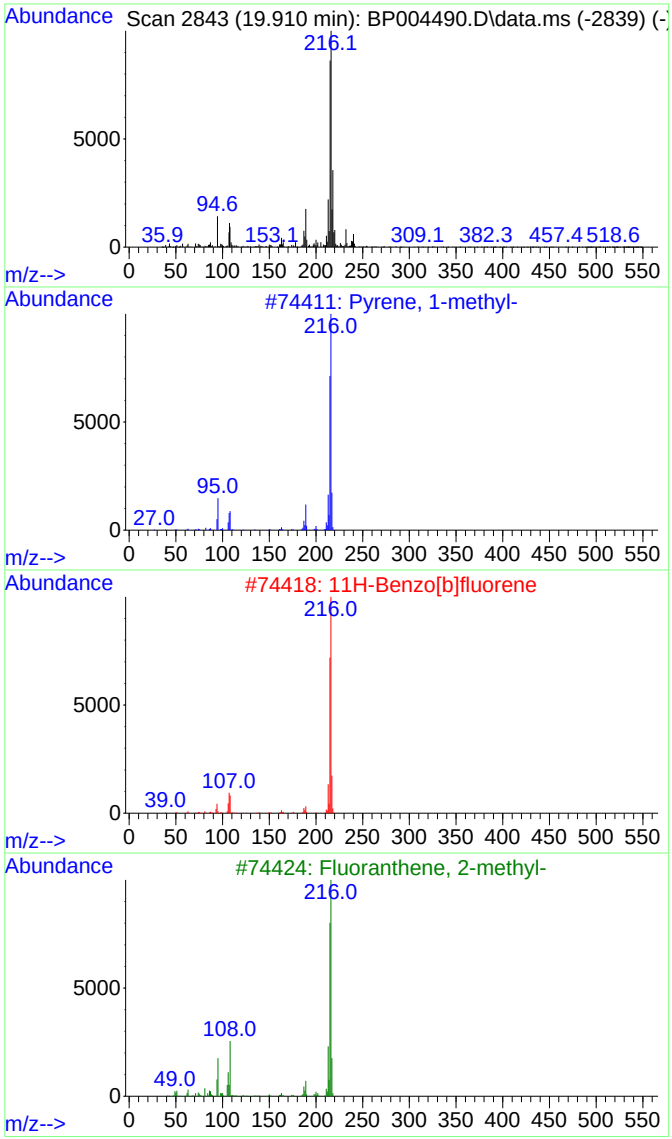
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

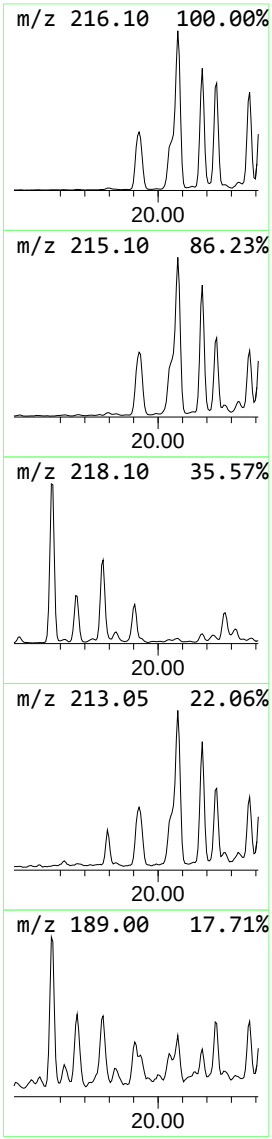
****

Peak Number 18 Pyrene, 1-methyl- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.910	2.68 ng	1345640	Chrysene-d12	21.328

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	95
2	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	80
3	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	76
4	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	72
5	Pyrene, 2-methyl-	216	C17H12	003442-78-2	60





Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP010721\
Data File : BP004490.D
Acq On : 07 Jan 2021 20:54
Operator : CG/JU
Sample : M1021-01 2X
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
OK-02-010621

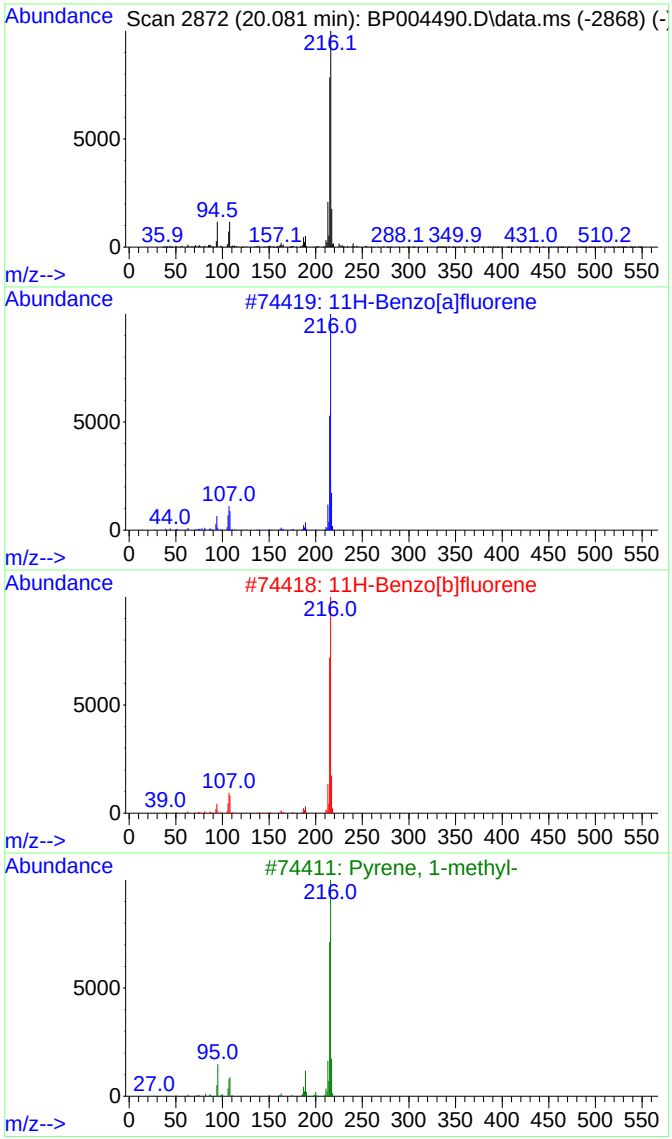
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270E-BP121120.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

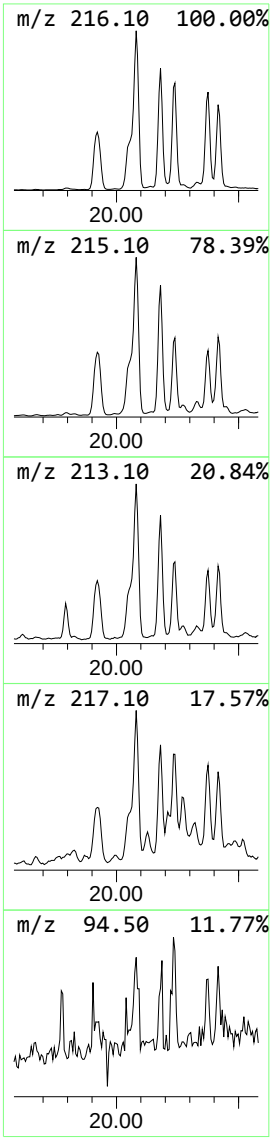
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 19 11H-Benzo[a]fluorene Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.081	4.21 ng	2116680	Chrysene-d12	21.328

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	94
2	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	93
3	Pyrene, 1-methyl-	216	C17H12	002381-21-7	93
4	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	91
5	7H-Benzo[c]fluorene	216	C17H12	000205-12-9	72





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Data File : BP004490.D
Acq On : 07 Jan 2021 20:54
Operator : CG/JU
Sample : M1021-01 2X
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : OK-02-010621

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270E-BP121120.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

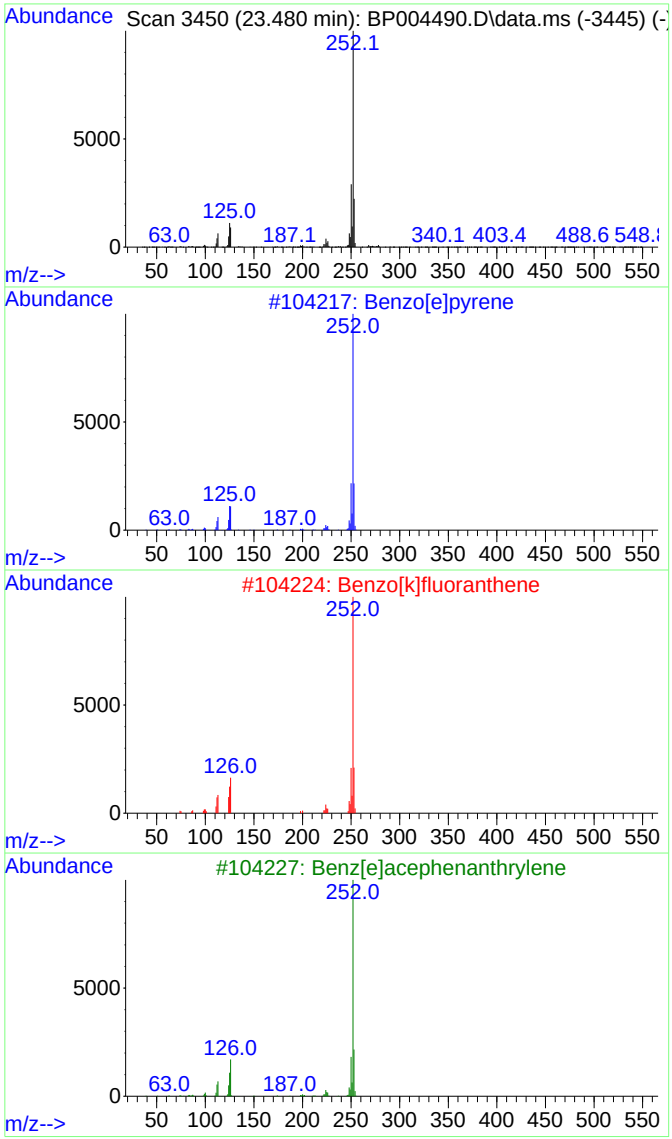
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

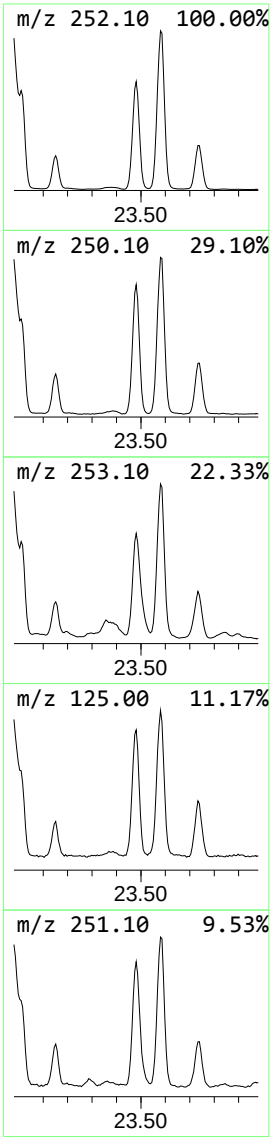
****

Peak Number 20 Benzo[e]pyrene Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
23.480	29.79 ng	3579820	Perylene-d12	23.686

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	95
3	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	94
4	Benzo[a]pyrene	252	C20H12	000050-32-8	93
5	Perylene	252	C20H12	000198-55-0	93





Tentatively Identified Compound (LSC) summary

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP010721\
Data File : BP004490.D
Acq On : 07 Jan 2021 20:54
Operator : CG/JU
Sample : M1021-01 2X
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : OK-02-010621

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270E-BP121120.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
2-Bromo dodecane	16.198	3.1	ng	470025	4	17.228	3022890	20.0
9H-Fluorene, 1-...	16.528	3.0	ng	453855	4	17.228	3022890	20.0
Dibenzothiophene	17.045	5.5	ng	832599	4	17.228	3022890	20.0
2,4-Diphenyl-4-...	17.151	7.4	ng	1114020	4	17.228	3022890	20.0
Acridine	17.416	3.7	ng	555443	4	17.228	3022890	20.0
Dibenzothiophen...	17.810	3.1	ng	474232	4	17.228	3022890	20.0
Phenanthrene, 2...	18.098	9.9	ng	1492220	4	17.228	3022890	20.0
Phenanthrene, 1...	18.145	10.9	ng	1650120	4	17.228	3022890	20.0
1H-Cyclopropa[l...	18.222	4.6	ng	699562	4	17.228	3022890	20.0
4H-Cyclopenta[d...	18.287	19.3	ng	2912920	4	17.228	3022890	20.0
Phenanthrene, 4...	18.322	5.2	ng	787220	4	17.228	3022890	20.0
Naphthalene, 2-...	18.581	5.5	ng	836840	4	17.228	3022890	20.0
9,10-Anthracene...	18.628	5.7	ng	860371	4	17.228	3022890	20.0
Phenanthrene, 3...	18.863	4.6	ng	693268	4	17.228	3022890	20.0
Phenanthrene, 2...	18.992	8.8	ng	1321970	4	17.228	3022890	20.0
Cyclopenta(def)...	19.128	5.7	ng	858427	4	17.228	3022890	20.0
Pyrene, 1-methyl-	19.910	2.7	ng	1345640	5	21.328	10053500	20.0
11H-Benzo[a]flu...	20.081	4.2	ng	2116680	5	21.328	10053500	20.0
Benzo[e]pyrene	23.480	29.8	ng	3579820	6	23.686	2403280	20.0