LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM121720\
Data File : BM028152.D
Acq On : 17 Dec 2020 21:46
Operator : JU/CG
Sample : L5036-03
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : B-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_M\Methods\8270-BM121620.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BM028152.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	5.705	421	428	438	rBV	2147172	3217613	31.42%	2.243%
2	7.352	699	708	723	rBV	2262348	3634914	35.50%	2.534%
3	8.210	847	854	860	rBV	529179	840205	8.21%	0.586%
4	9.387	1046	1054	1064	rBV	1402384	2299485	22.46%	1.603%
5	11.040	1327	1335	1341	rBV	750602	1256435	12.27%	0.876%
6	12.681	1605	1614	1623	rVB	128811	201067	1.96%	0.140%
7	12.898	1641	1651	1660	rVB	193828	305573	2.98%	0.213%
8	13.469	1739	1748	1754	rBV	3419785	5024716	49.07%	3.502%
9	13.869	1812	1816	1829	rVB	87945	180034	1.76%	0.125%
10	14.016	1829	1841	1849	rBV4	100703	270037	2.64%	0.188%
11	14.163	1857	1866	1871	rBV	258425	454891	4.44%	0.317%
12	14.216	1871	1875	1880	rVV	136922	209358	2.04%	0.146%
13	14.280	1880	1886	1892	rVB	345076	488101	4.77%	0.340%
14	14.392	1899	1905	1909	rBV	146567	227463	2.22%	0.159%
15	14.563	1930	1934	1944	rVB	113699	170280	1.66%	0.119%
16	14.833	1975	1980	1986	rVV	1139604	1735100	16.95%	1.209%
17	14.898	1986	1991	1997	rVB	728587	1060410	10.36%	0.739%
18	15.033	2008	2014	2023	rBV2	97049	258760	2.53%	0.180%
19	15.139	2023	2032	2036	rVV2	148301	305520	2.98%	0.213%
20	15.227	2039	2047	2054	rVV2	271293	484076	4.73%	0.337%
21	15.298	2054	2059	2067	rVV	130184	185372	1.81%	0.129%
22	15.439	2078	2083	2088	rBV2	122804	203450	1.99%	0.142%
23	15.610	2104	2112	2115	rBV2	110534	228389	2.23%	0.159%
24	15.869	2150	2156	2167	rBV	634611	1013410	9.90%	0.706%
25	15.963	2167	2172	2174	rBV	144735	201986	1.97%	0.141%
26	15.992	2174	2177	2181	rVV	226839	343585	3.36%	0.239%
27	16.033	2181	2184	2188	rVV2	201560	268838	2.63%	0.187%
28	16.080	2188	2192	2195	rVV3	114659	168417	1.64%	0.117%
29	16.157	2202	2205	2214	rVB2	180161	350330	3.42%	0.244%
30	16.310	2225	2231	2238	rVB	3088520	4444866	43.41%	3.098%
31	16.533	2266	2269	2275	rVB2	132282	206399	2.02%	0.144%
32	16.839	2314	2321	2323	rBV2	190696	343283	3.35%	0.239%
33	16.863	2323	2325	2329	rVV2	228252	276768	2.70%	0.193%
34	16.916	2329	2334	2339	rVB2	198857	311658	3.04%	0.217%
35	17.010	2347	2350	2355	rVB	151306	217428	2.12%	0.152%
36	17.127	2366	2370	2378	rVB2	148196	248188	2.42%	0.173%

LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM121720\
Data File : BM028152.D
Acq On : 17 Dec 2020 21:46
Operator : JU/CG
Sample : L5036-03
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : B-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_M\Methods\8270-BM121620.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

37	17.210	2378	2384	2390	rVB	321740	467193	4.56%	0.326%
38	17.374	2408	2412	2426	rVB	477648	760068	7.42%	0.530%
39	17.557	2437	2443	2446	rBV	1397253	2087245	20.38%	1.455%
40	17.604	2446	2451	2456	rVV	7099943	10129796	98.93%	7.061%
41	17.686	2456	2465	2470	rVV	1472522	2202355	21.51%	1.535%
42	17.745	2470	2475	2479	rVB2	128015	232310	2.27%	0.162%
43	17.951	2503	2510	2519	rBV2	479485	829551	8.10%	0.578%
44	18.063	2526	2529	2533	rBV	166805	230474	2.25%	0.161%
45	18.127	2536	2540	2546	rVB	393144	587893	5.74%	0.410%
46	18.274	2560	2565	2572	rVB	226571	446386	4.36%	0.311%
47	18.345	2572	2577	2581	rBV2	147445	248156	2.42%	0.173%
48	18.421	2584	2590	2594	rVV	1817175	2730010	26.66%	1.903%
49	18.468	2594	2598	2604	rVB	1966544	2695923	26.33%	1.879%
50	18.551	2605	2612	2616	rBV	656730	978951	9.56%	0.682%
51	18.615	2616	2623	2626	rVV2	1655042	3330211	32.52%	2.321%
52	18.651	2626	2629	2634	rVB	1183443	1523573	14.88%	1.062%
53	18.810	2651	2656	2660	rBV2	161449	244376	2.39%	0.170%
54	18.910	2667	2673	2676	rBV	856962	1166320	11.39%	0.813%
55	18.951	2676	2680	2690	rVB2	731623	1169182	11.42%	0.815%
56	19.033	2690	2694	2698	rBV	202762	300119	2.93%	0.209%
57	19.151	2710	2714	2718	rVB	377848	439507	4.29%	0.306%
58	19.198	2719	2722	2725	rVB	311784	330228	3.23%	0.230%
59	19.239	2725	2729	2733	rVB2	330115	450961	4.40%	0.314%
60	19.321	2737	2743	2747	rBV	1036454	1687169	16.48%	1.176%
61	19.380	2747	2753	2756	rBV4	355884	677401	6.62%	0.472%
62	19.462	2762	2767	2775	rBV3	549653	1206176	11.78%	0.841%
63	19.586	2782	2788	2793	rVV	7646787	10239528	100.00%	7.137%
64	19.639	2793	2797	2800	rVV	220616	306941	3.00%	0.214%
65	19.674	2800	2803	2807	rVB	382284	495174	4.84%	0.345%
66	19.768	2816	2819	2823	rVB2	196467	249522	2.44%	0.174%
67	19.821	2824	2828	2831	rBV	311128	428813	4.19%	0.299%
68	19.915	2837	2844	2845	rBV2	1229227	1940616	18.95%	1.353%
69	19.945	2845	2849	2855	rVV	7334307	10011641	97.77%	6.979%
70	20.004	2855	2859	2865	rVB2	523520	808634	7.90%	0.564%
71	20.127	2866	2880	2884	rBV	5842435	8127560	79.37%	5.665%
72	20.174	2884	2888	2892	rVB2	338811	545154	5.32%	0.380%
73	20.262	2896	2903	2909	rBV3	849700	1873767	18.30%	1.306%
74	20.392	2920	2925	2926	rBV3	415502	579722	5.66%	0.404%
75	20.421	2926	2930	2935	rVB	1117779	1707146	16.67%	1.190%
76	20.521	2943	2947	2951	rBV	573844	699078	6.83%	0.487%

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM121720\
Data File : BM028152.D
Acq On : 17 Dec 2020 21:46
Operator : JU/CG
Sample : L5036-03
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : B-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_M\Methods\8270-BM121620.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

77	20.580	2951	2957	2961	rVV2	791863	1237081	12.08%	0.862%
78	20.615	2961	2963	2966	rVB2	217757	210662	2.06%	0.147%
79	20.715	2976	2980	2984	rBV	657920	884735	8.64%	0.617%
80	20.762	2984	2988	2992	rVV	619786	749000	7.31%	0.522%
81	20.874	3004	3007	3010	rVB2	155174	183870	1.80%	0.128%
82	20.968	3019	3023	3024	rBV2	136558	187796	1.83%	0.131%
83	20.998	3025	3028	3031	rVV3	178284	287300	2.81%	0.200%
84	21.156	3051	3055	3061	rVB	762327	1071914	10.47%	0.747%
85	21.321	3076	3083	3086	rBV2	742834	1371812	13.40%	0.956%
86	21.356	3086	3089	3093	rVV	1609807	2079968	20.31%	1.450%
87	21.404	3093	3097	3100	rVV2	501740	769800	7.52%	0.537%
88	21.445	3100	3104	3112	rVB2	675345	1054029	10.29%	0.735%
89	21.656	3135	3140	3145	rBV2	4024144	6960440	67.98%	4.852%
90	21.709	3145	3149	3158	rVB	3336178	4672973	45.64%	3.257%
91	21.833	3166	3170	3174	rBV	371404	495355	4.84%	0.345%
92	21.992	3193	3197	3202	rBV2	395767	604898	5.91%	0.422%
93	22.239	3236	3239	3243	rVV	549440	683131	6.67%	0.476%
94	22.292	3246	3248	3253	rVB	407102	510924	4.99%	0.356%
95	22.451	3272	3275	3278	rBV2	218535	301109	2.94%	0.210%
96	23.321	3418	3423	3429	rBV	1573141	3748205	36.61%	2.613%
97	23.839	3505	3511	3521	rVB	1038294	2131383	20.82%	1.486%
98	23.939	3522	3528	3535	rVB	1563707	2851240	27.85%	1.987%
99	24.039	3540	3545	3550	rBV	756603	1382804	13.50%	0.964%
100	26.474	3952	3959	3971	rVB	755703	2230234	21.78%	1.555%

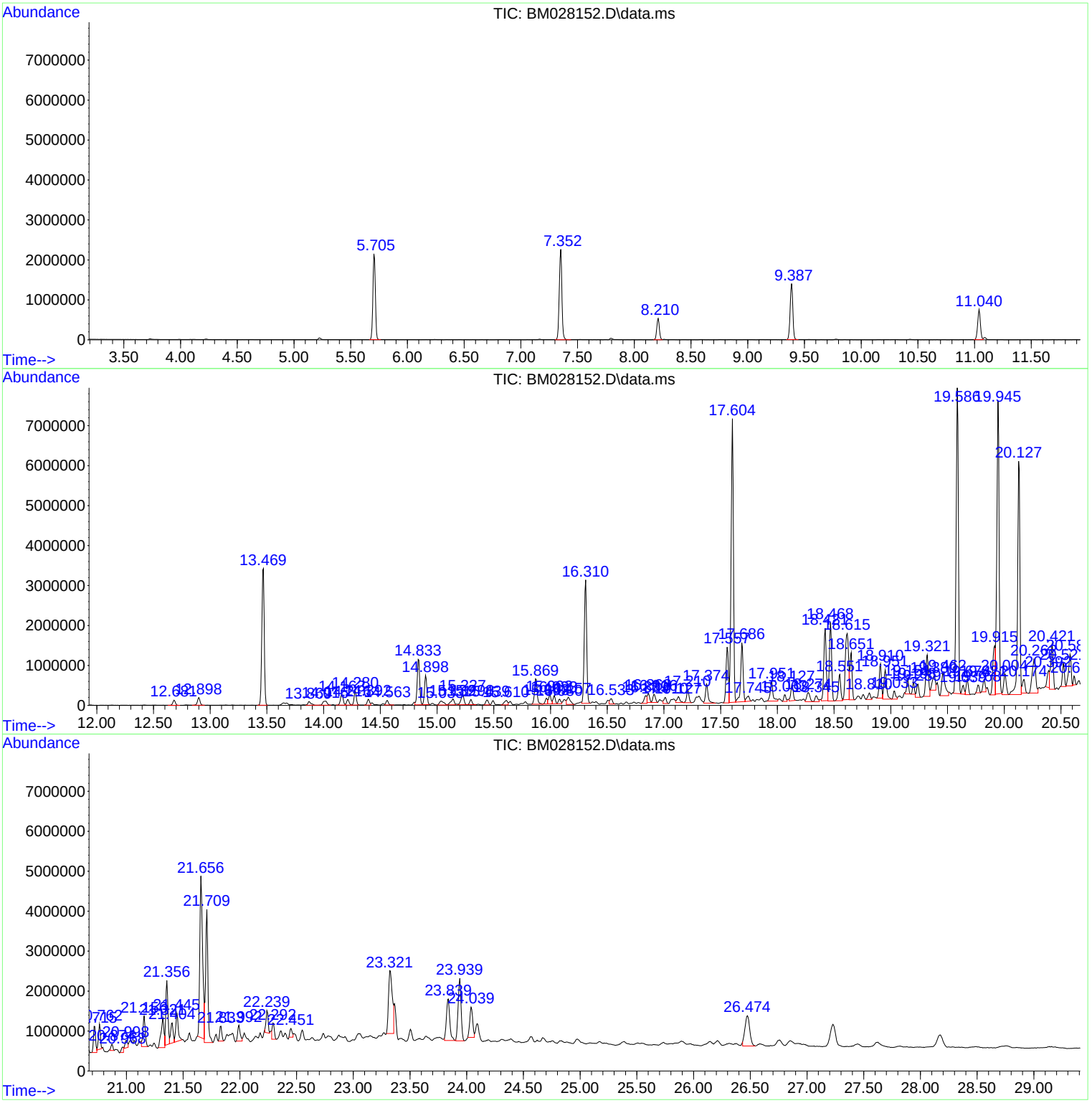
Sum of corrected areas: 143461898

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM121720\
Data File : BM028152.D
Acq On : 17 Dec 2020 21:46
Operator : JU/CG
Sample : L5036-03
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
B-2

Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM121620.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_M\Data\BM121720\
Data File : BM028152.D
Acq On : 17 Dec 2020 21:46
Operator : JU/CG
Sample : L5036-03
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : B-2

Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM121620.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

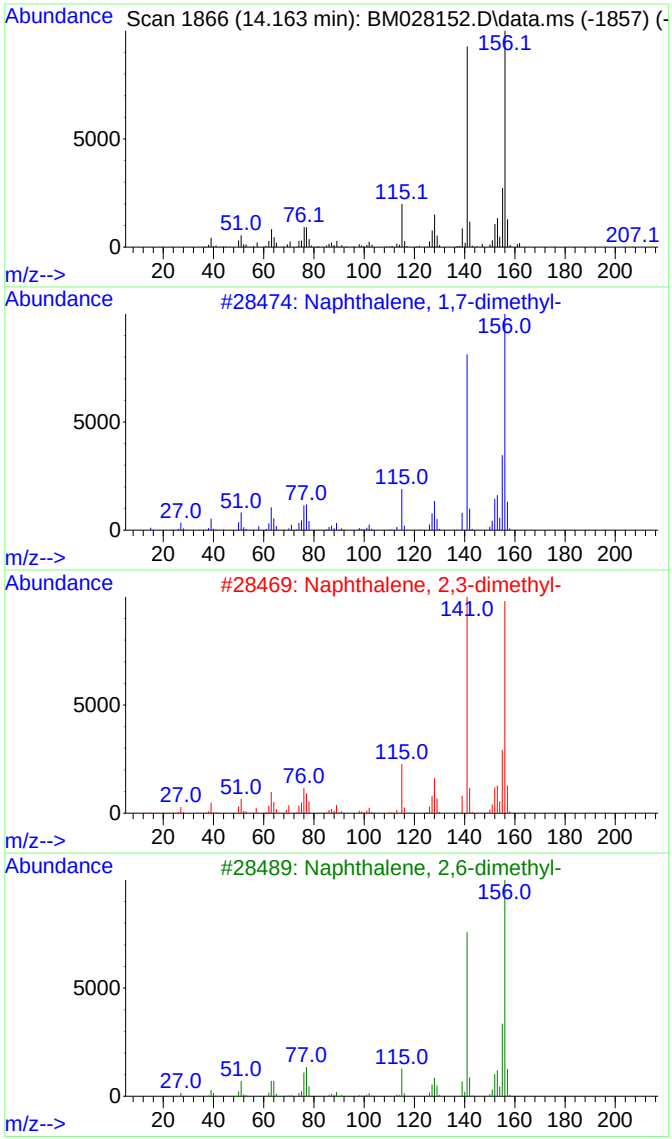
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

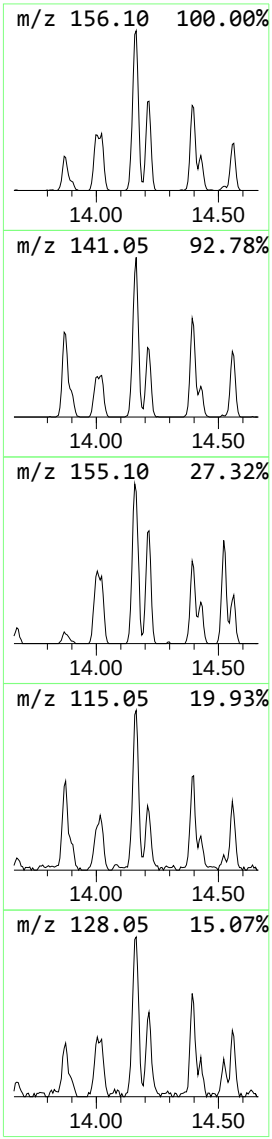
****

Peak Number 1 Naphthalene, 1,7-dimethyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.163	5.24 ng	454891	Acenaphthene-d10	14.833

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	98
2	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	98
3	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	97
4	Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	97
5	Naphthalene, 1,4-dimethyl-	156	C12H12	000571-58-4	97





Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM121720\
Data File : BM028152.D
Acq On : 17 Dec 2020 21:46
Operator : JU/CG
Sample : L5036-03
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : B-2

Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM121620.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

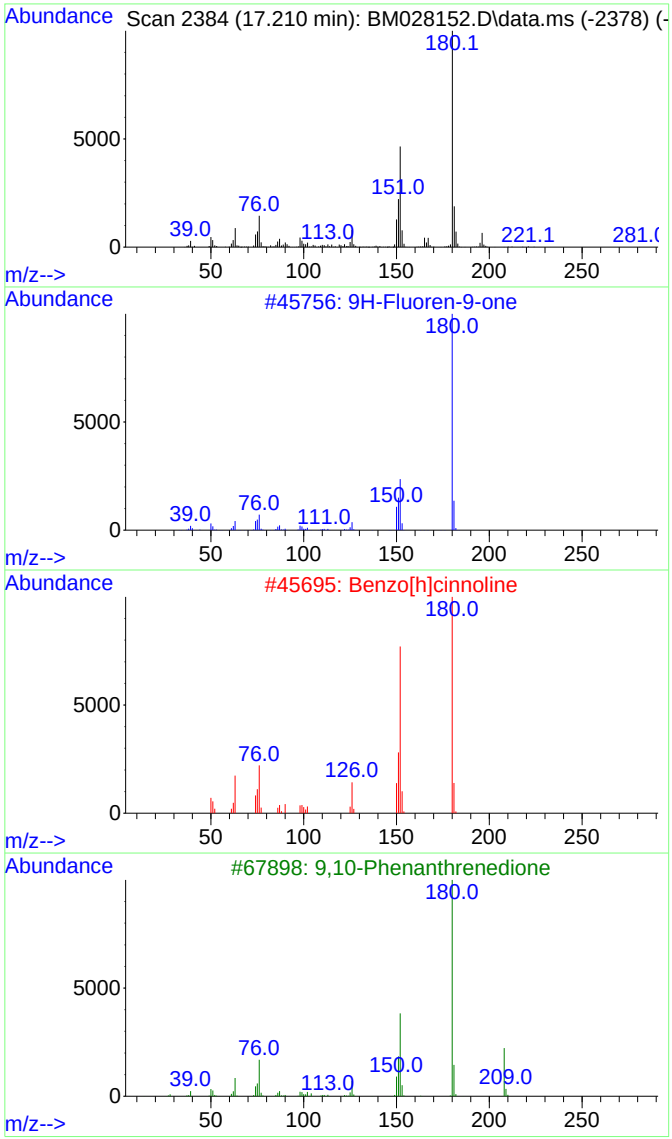
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

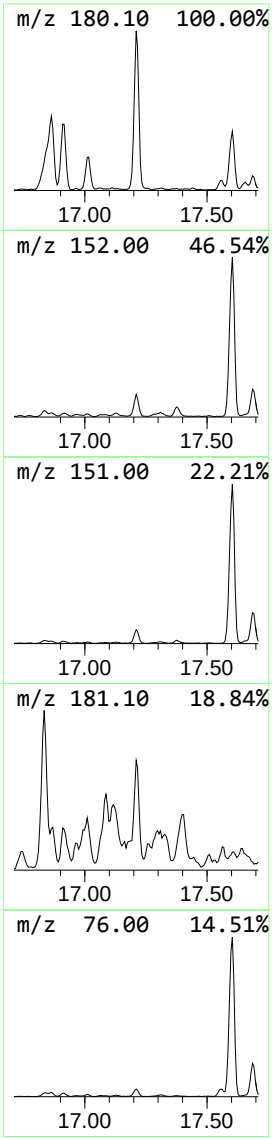
****

Peak Number 2 9H-Fluoren-9-one Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.210	4.48 ng	467193	Phenanthrene-d10	17.557

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluoren-9-one	180	C13H8O	000486-25-9	94
2	Benzo[h]cinnoline	180	C12H8N2	000230-31-9	90
3	9,10-Phenanthrenedione	208	C14H8O2	000084-11-7	86
4	6H-Purine-6-thione, 9-ethyl-1,9-...	180	C7H8N4S	005427-20-3	59
5	2,3-Diazaphenanthrene	180	C12H8N2	000229-72-1	52





Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM121720\
Data File : BM028152.D
Acq On : 17 Dec 2020 21:46
Operator : JU/CG
Sample : L5036-03
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : B-2

Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM121620.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

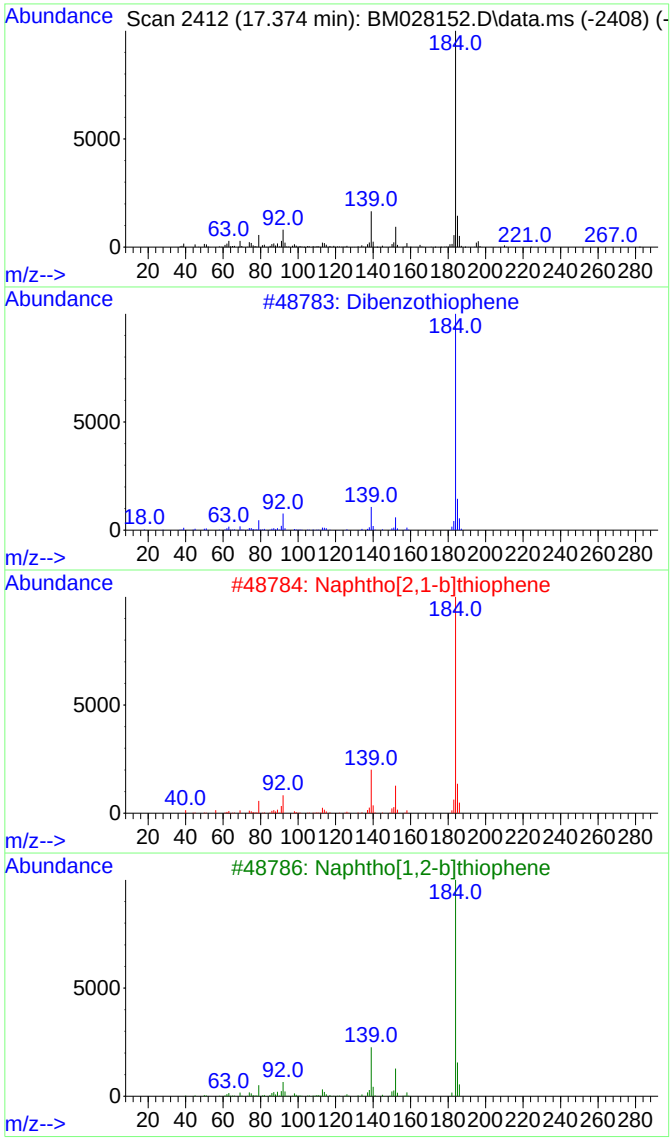
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

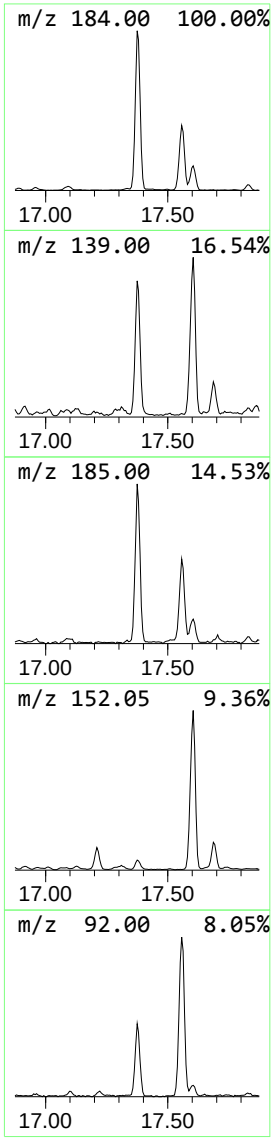
****

Peak Number 3 Dibenzothiophene Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.374	7.28 ng	760068	Phenanthrene-d10	17.557

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	78





Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM121720\
Data File : BM028152.D
Acq On : 17 Dec 2020 21:46
Operator : JU/CG
Sample : L5036-03
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : B-2

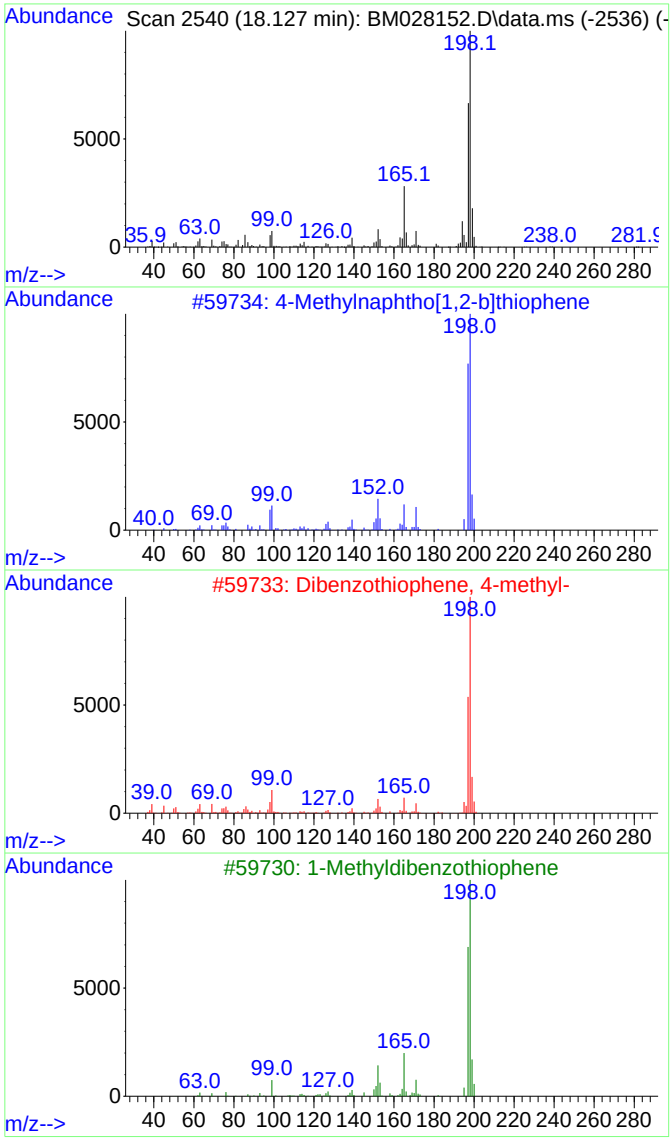
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM121620.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

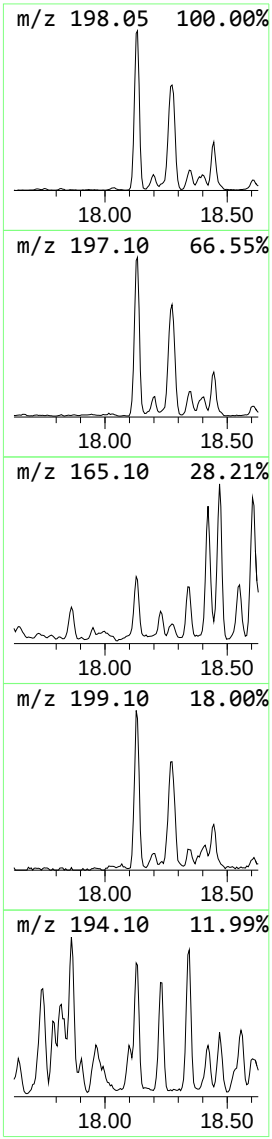
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 4 4-Methylnaphtho[1,2-b]thiop... Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.127	5.63 ng	587893	Phenanthrene-d10	17.557

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4-Methylnaphtho[1,2-b]thiophene	198	C13H10S	067388-11-8	90
2	Dibenzothiophene, 4-methyl-	198	C13H10S	007372-88-5	81
3	1-Methyldibenzothiophene	198	C13H10S	031317-07-4	80
4	Dibenzothiophene, 3-methyl-	198	C13H10S	016587-52-3	68
5	Benzenamine, 4,4'-methylenebis-	198	C13H14N2	000101-77-9	64





Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM121720\
Data File : BM028152.D
Acq On : 17 Dec 2020 21:46
Operator : JU/CG
Sample : L5036-03
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
B-2

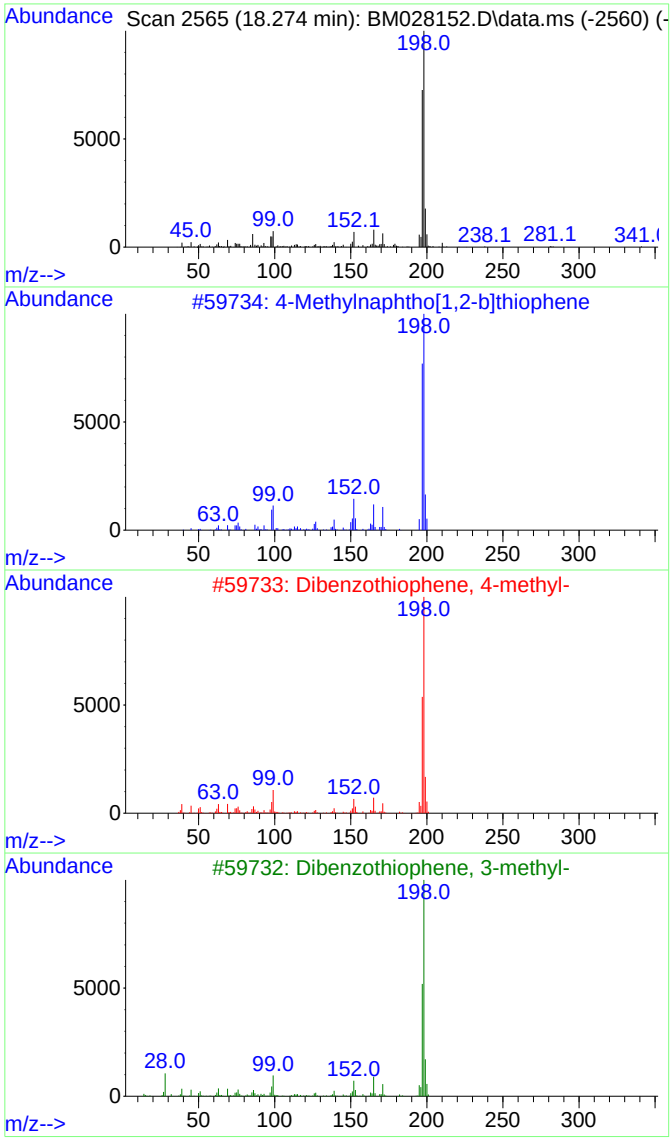
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM121620.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

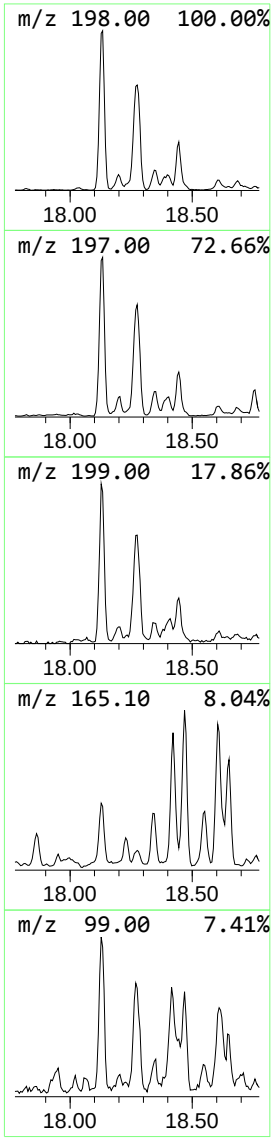
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 5 Dibenzothiophene, 4-methyl- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.274	4.28 ng	446386	Phenanthrene-d10	17.557

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4-Methylnaphtho[1,2-b]thiophene	198	C13H10S	067388-11-8	95
2	Dibenzothiophene, 4-methyl-	198	C13H10S	007372-88-5	95
3	Dibenzothiophene, 3-methyl-	198	C13H10S	016587-52-3	95
4	1-Methyldibenzothiophene	198	C13H10S	031317-07-4	90
5	Benzenamine, 4,4'-methylenebis-	198	C13H14N2	000101-77-9	87





Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM121720\
Data File : BM028152.D
Acq On : 17 Dec 2020 21:46
Operator : JU/CG
Sample : L5036-03
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : B-2

Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM121620.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

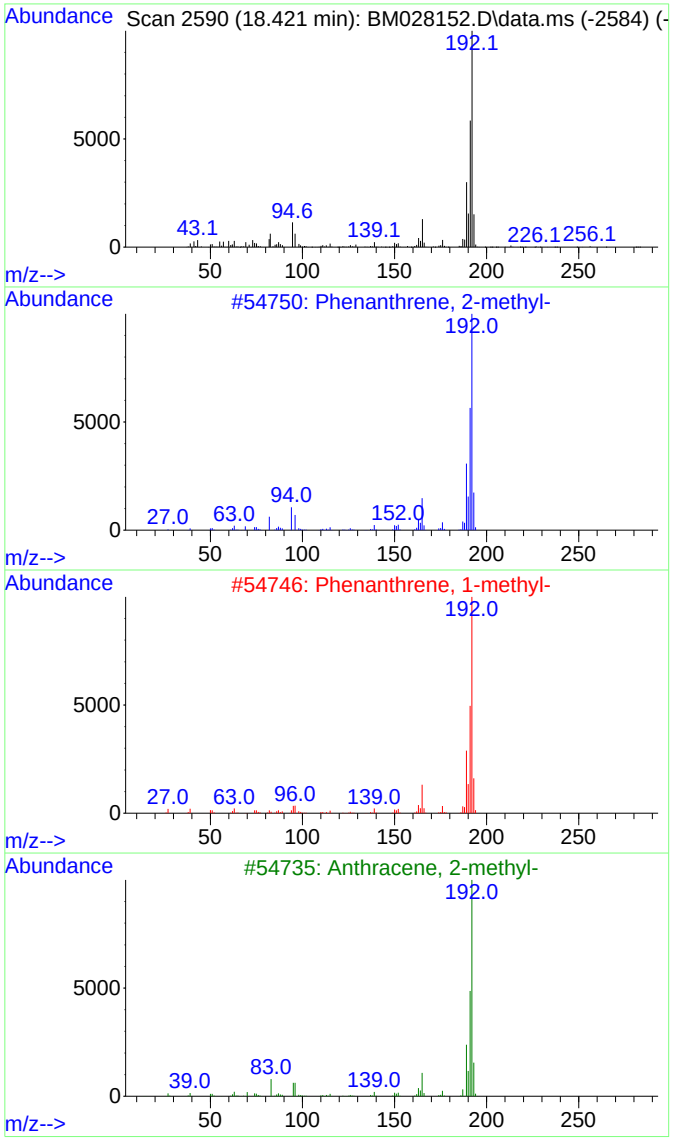
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

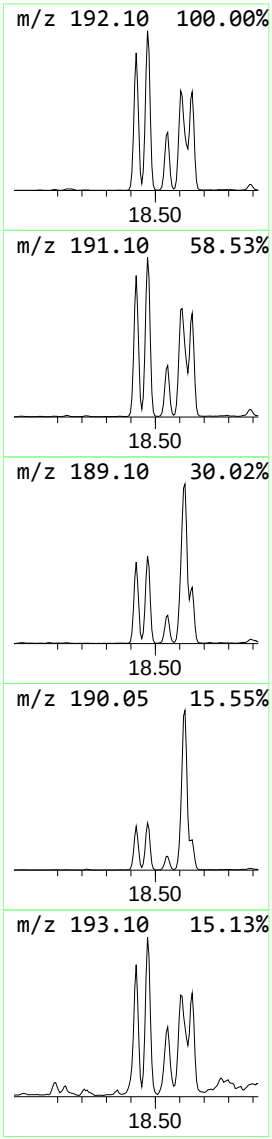
****

Peak Number 6 Phenanthrene, 2-methyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.421	26.16 ng	2730010	Phenanthrene-d10	17.557

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	Anthracene, 1-methyl-	192	C15H12	000610-48-0	95
5	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	95





Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM121720\
Data File : BM028152.D
Acq On : 17 Dec 2020 21:46
Operator : JU/CG
Sample : L5036-03
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : B-2

Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM121620.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

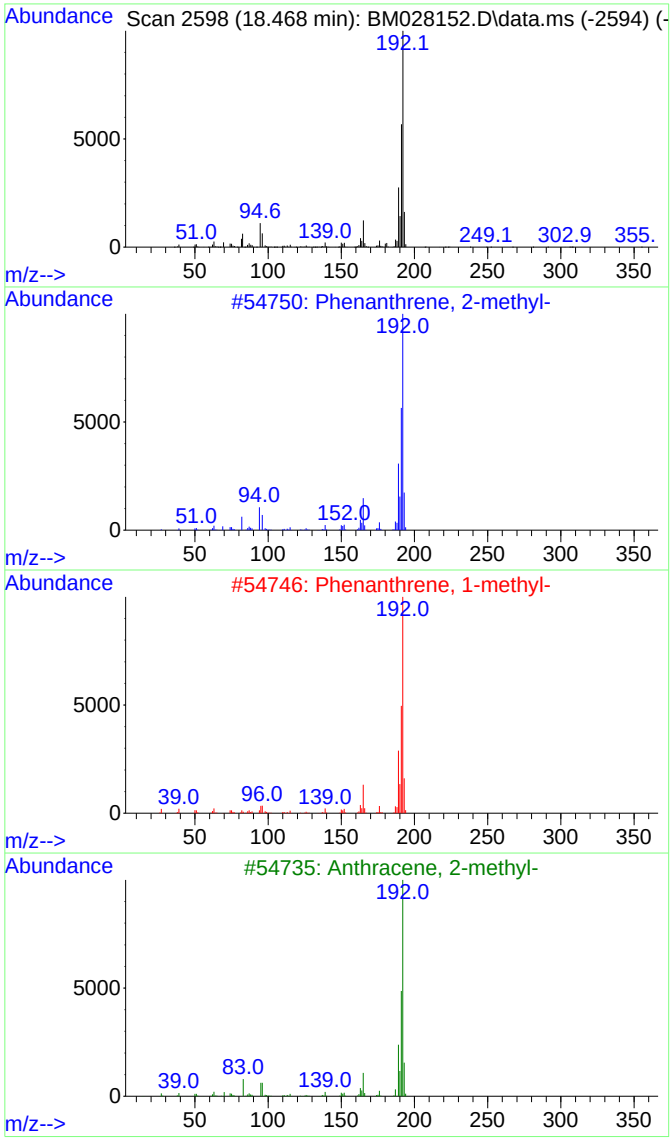
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

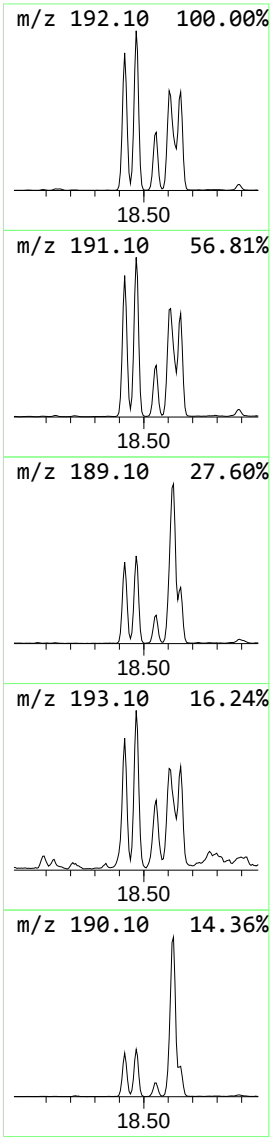
****

Peak Number 7 Phenanthrene, 1-methyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.468	25.83 ng	2695920	Phenanthrene-d10	17.557

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





Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM121720\
Data File : BM028152.D
Acq On : 17 Dec 2020 21:46
Operator : JU/CG
Sample : L5036-03
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : B-2

Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM121620.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

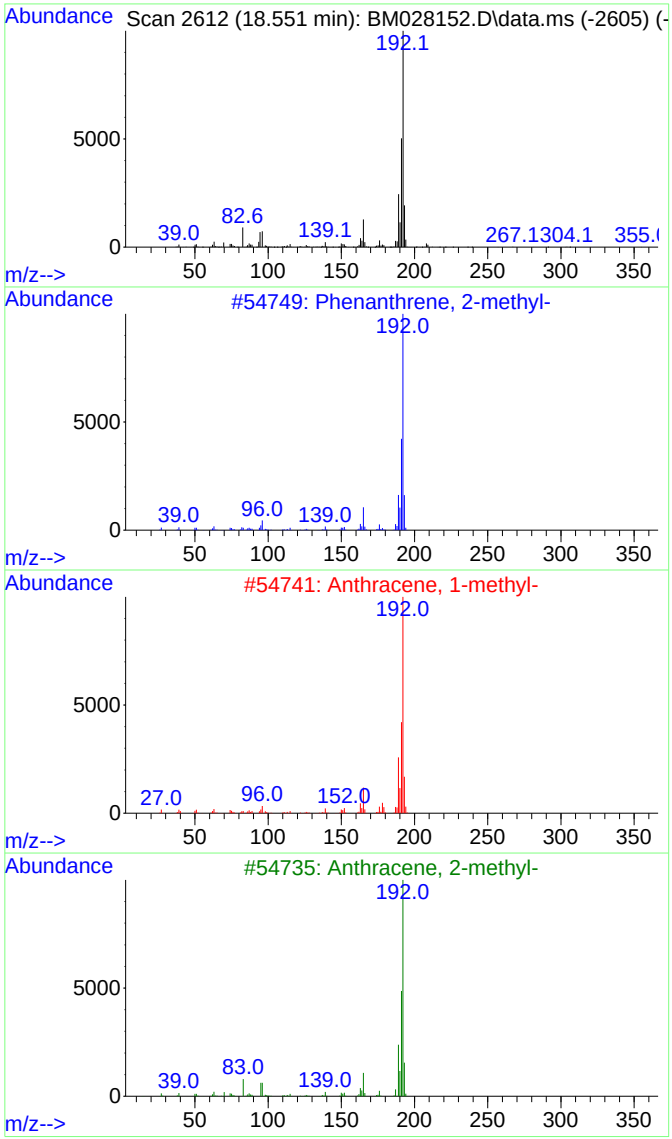
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

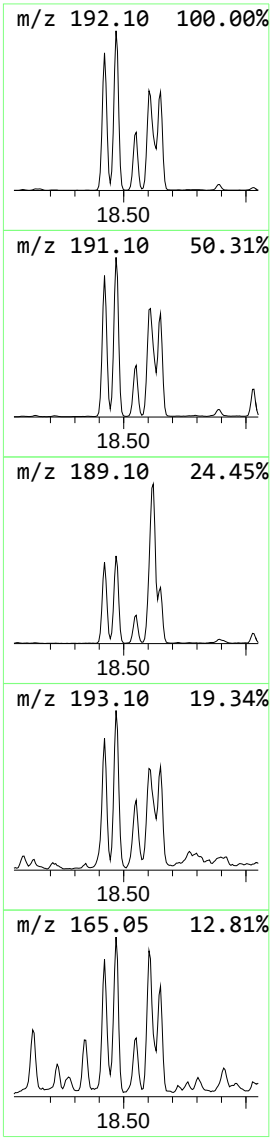
****

Peak Number 8 Anthracene, 1-methyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.551	9.38 ng	978951	Phenanthrene-d10	17.557

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
2	Anthracene, 1-methyl-	192	C15H12	000610-48-0	96
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	94
4	Anthracene, 9-methyl-	192	C15H12	000779-02-2	93
5	Phenanthrene, 9-methyl-	192	C15H12	000883-20-5	91





Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM121720\
Data File : BM028152.D
Acq On : 17 Dec 2020 21:46
Operator : JU/CG
Sample : L5036-03
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : B-2

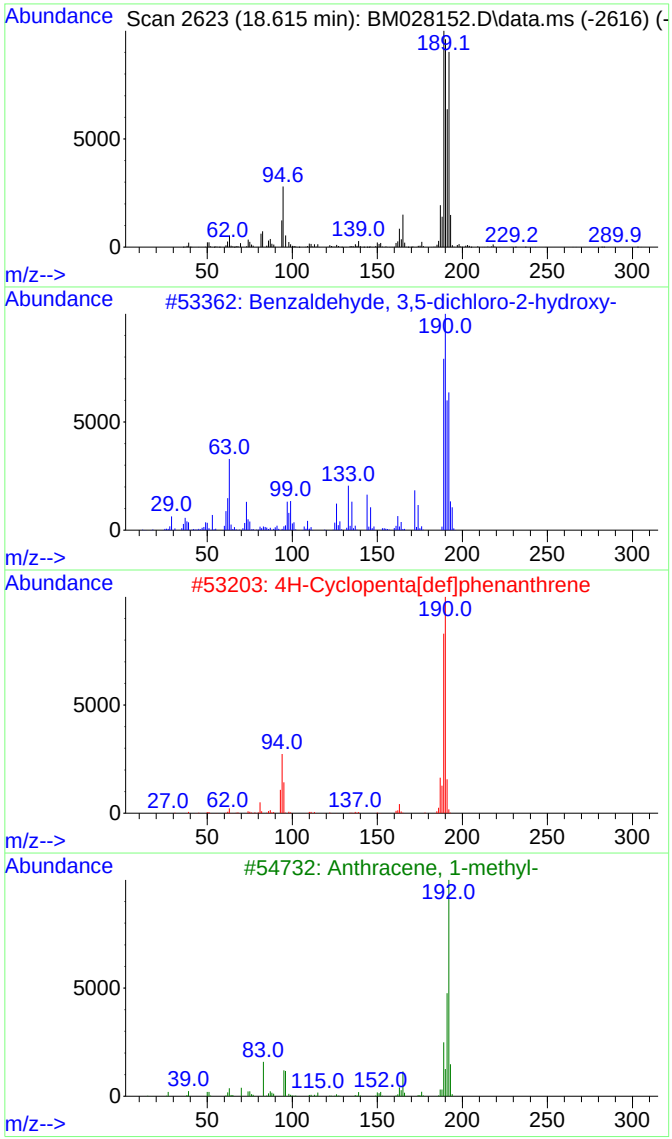
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM121620.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

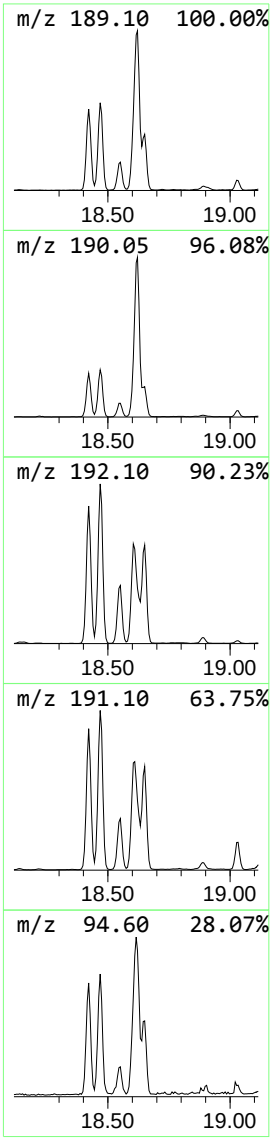
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 9 Benzaldehyde, 3,5-dichloro-... Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.616	31.91 ng	3330210	Phenanthrene-d10	17.557

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzaldehyde, 3,5-dichloro-2-hyd...	190	C7H4Cl2O2	000090-60-8	64
2	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	60
3	Anthracene, 1-methyl-	192	C15H12	000610-48-0	42
4	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	42
5	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	38





Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM121720\
Data File : BM028152.D
Acq On : 17 Dec 2020 21:46
Operator : JU/CG
Sample : L5036-03
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : B-2

Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM121620.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

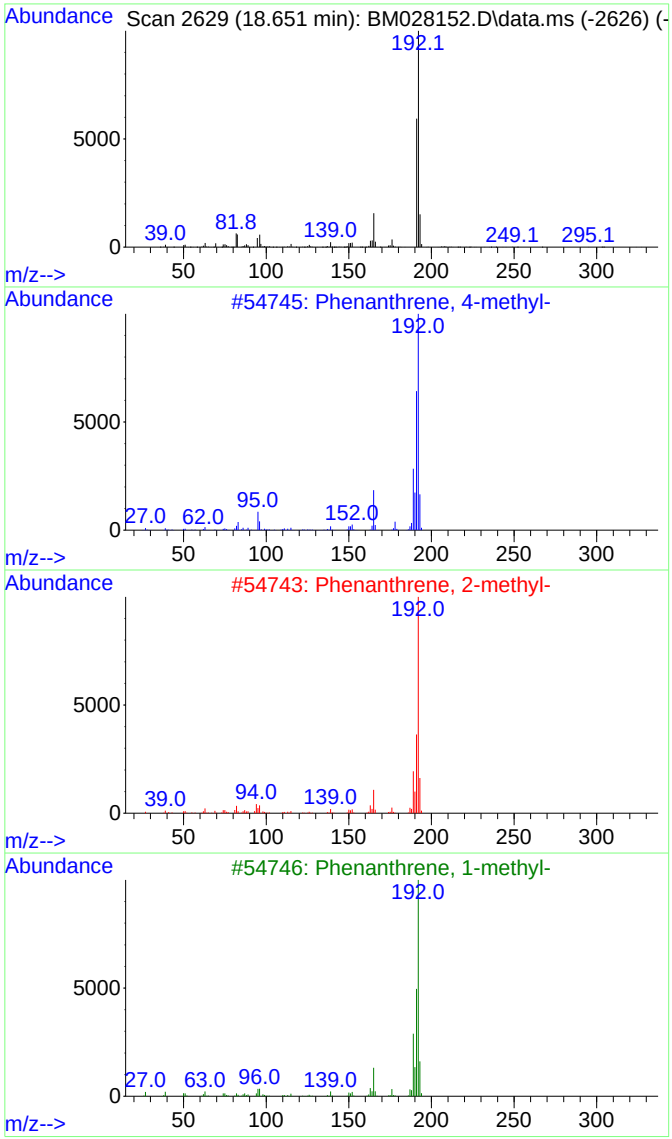
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

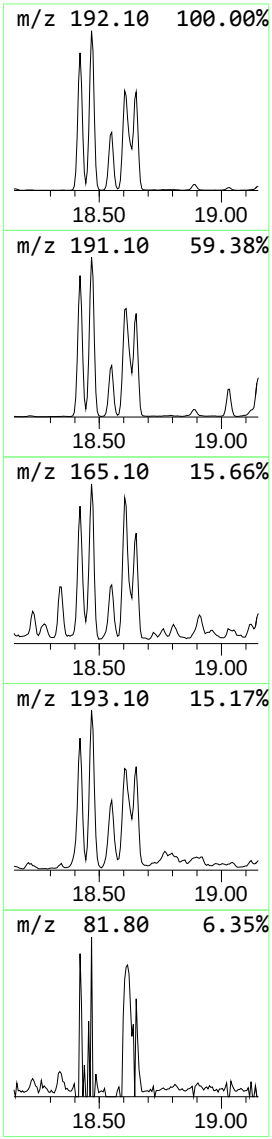
****

Peak Number 10 Phenanthrene, 4-methyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.651	14.60 ng	1523570	Phenanthrene-d10	17.557

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	93
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	93
3	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	93
4	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	90
5	Anthracene, 2-methyl-	192	C15H12	000613-12-7	90





Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM121720\
Data File : BM028152.D
Acq On : 17 Dec 2020 21:46
Operator : JU/CG
Sample : L5036-03
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : B-2

Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM121620.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

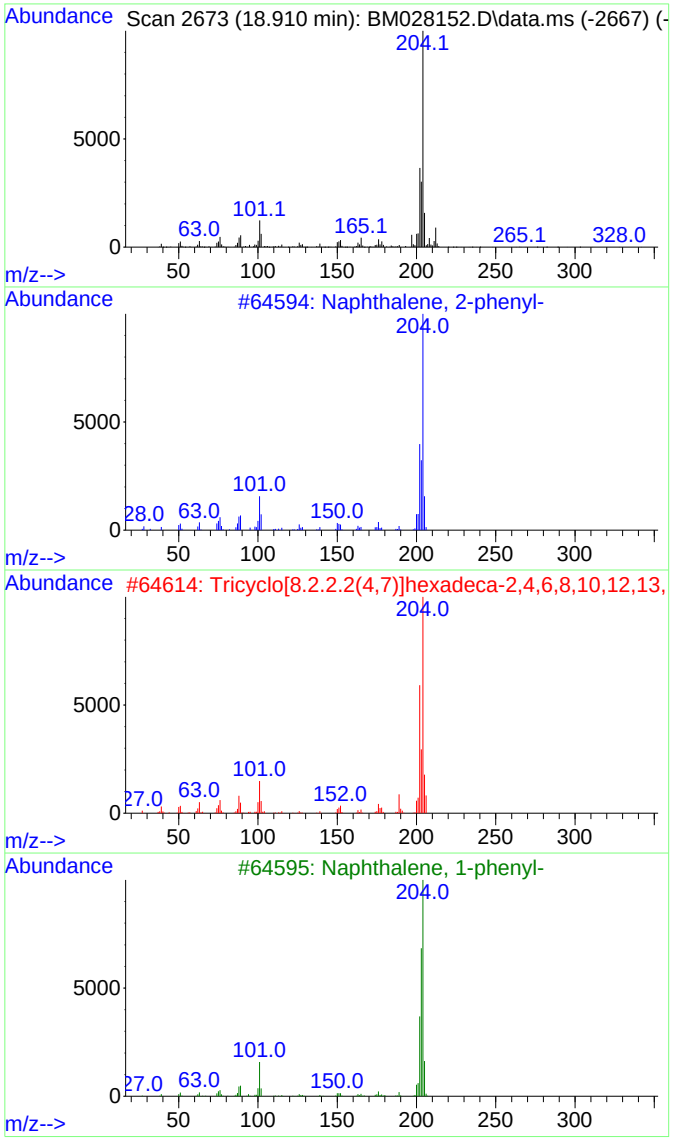
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

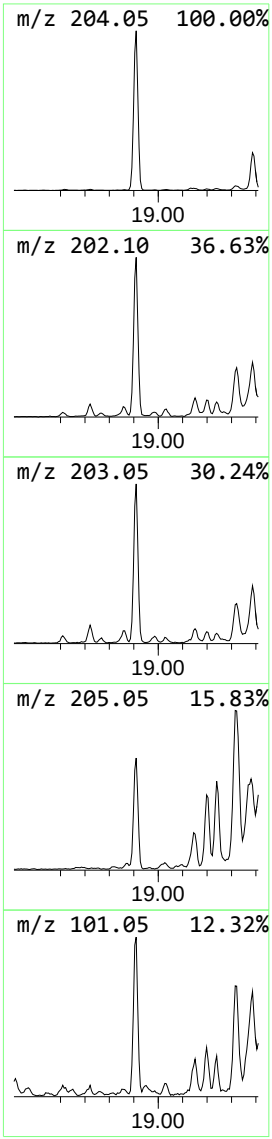
****

Peak Number 11 Naphthalene, 2-phenyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.910	11.18 ng	1166320	Phenanthrene-d10	17.557

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	76
3	Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	58
4	[1,1'-Biphenyl]-2-ol, 5-chloro-	204	C12H9ClO	000607-12-5	50
5	Benzene, 1,1'-(1-buten-3-yne-1,4...	204	C16H12	013141-45-2	49





Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM121720\
Data File : BM028152.D
Acq On : 17 Dec 2020 21:46
Operator : JU/CG
Sample : L5036-03
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : B-2

Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM121620.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

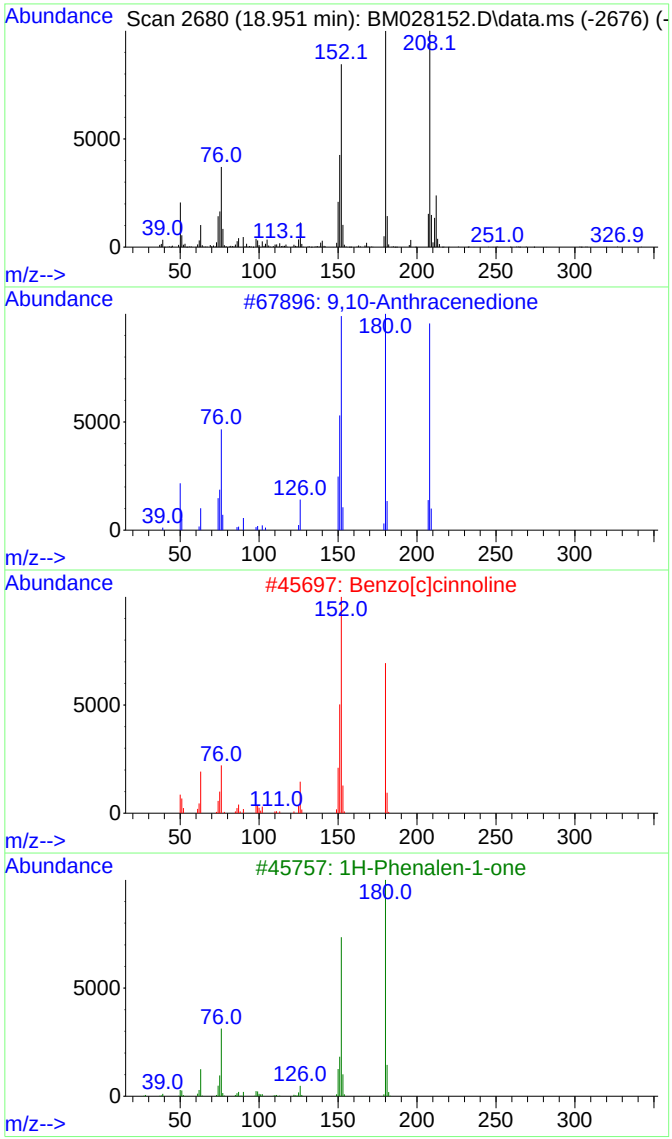
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

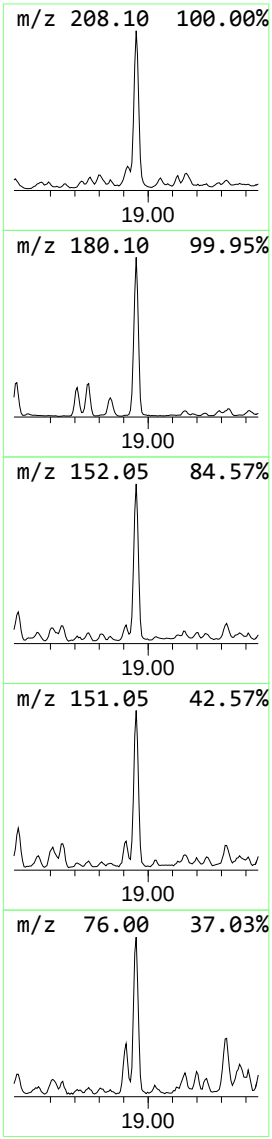
****

Peak Number 12 9,10-Anthracenedione Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.951	11.20 ng	1169180	Phenanthrene-d10	17.557

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Anthracenedione	208	C14H8O2	000084-65-1	99
2	Benzo[c]cinnoline	180	C12H8N2	000230-17-1	91
3	1H-Phenalen-1-one	180	C13H8O	000548-39-0	55
4	1,4-Anthracenedione	208	C14H8O2	000635-12-1	49
5	9H-Fluoren-9-one	180	C13H8O	000486-25-9	38





Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM121720\
Data File : BM028152.D
Acq On : 17 Dec 2020 21:46
Operator : JU/CG
Sample : L5036-03
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : B-2

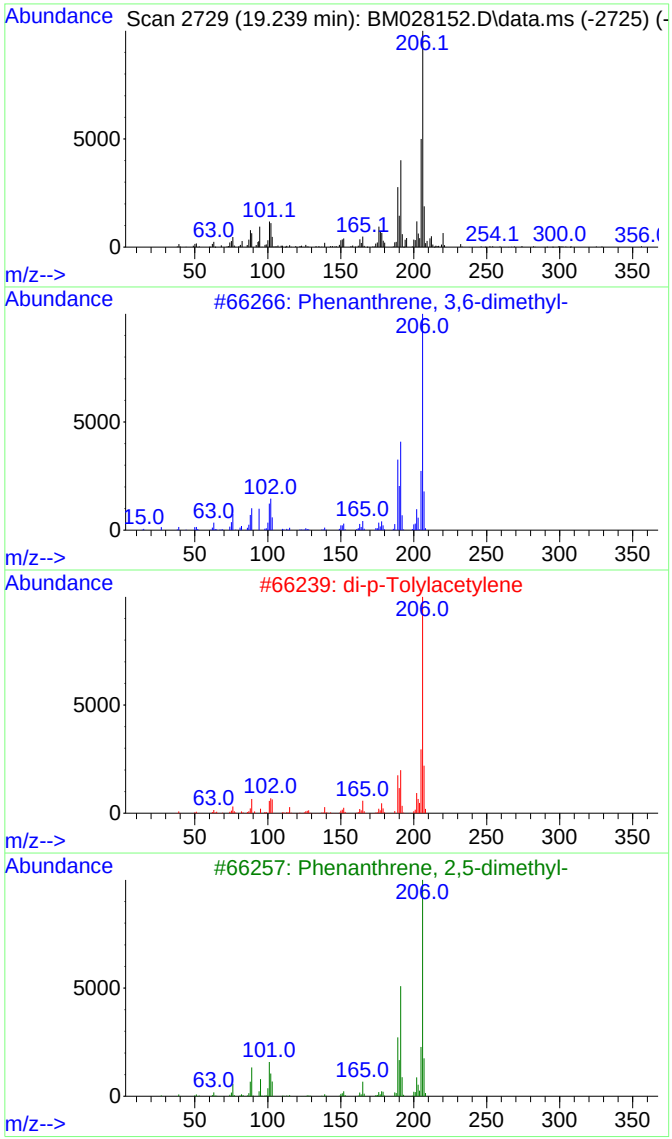
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM121620.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

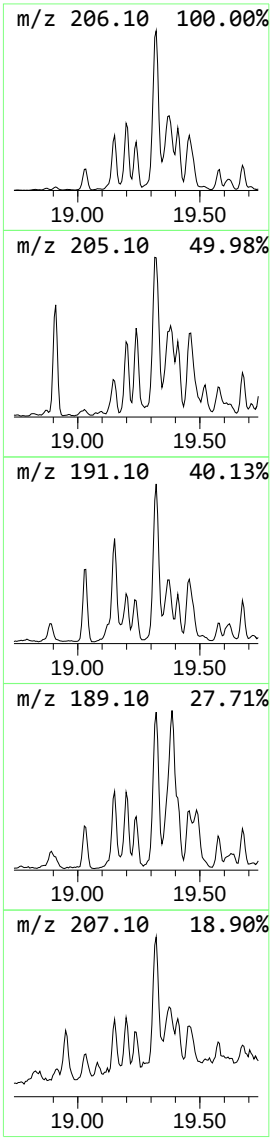
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 13 Phenanthrene, 3,6-dimethyl- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.239	4.32 ng	450961	Phenanthrene-d10	17.557

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	93
2	di-p-Tolylacetylene	206	C16H14	002789-88-0	90
3	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	89
4	1,3-Butadiene, 1,4-diphenyl-, (E...	206	C16H14	000538-81-8	87
5	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	86





Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM121720\
Data File : BM028152.D
Acq On : 17 Dec 2020 21:46
Operator : JU/CG
Sample : L5036-03
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : B-2

Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM121620.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

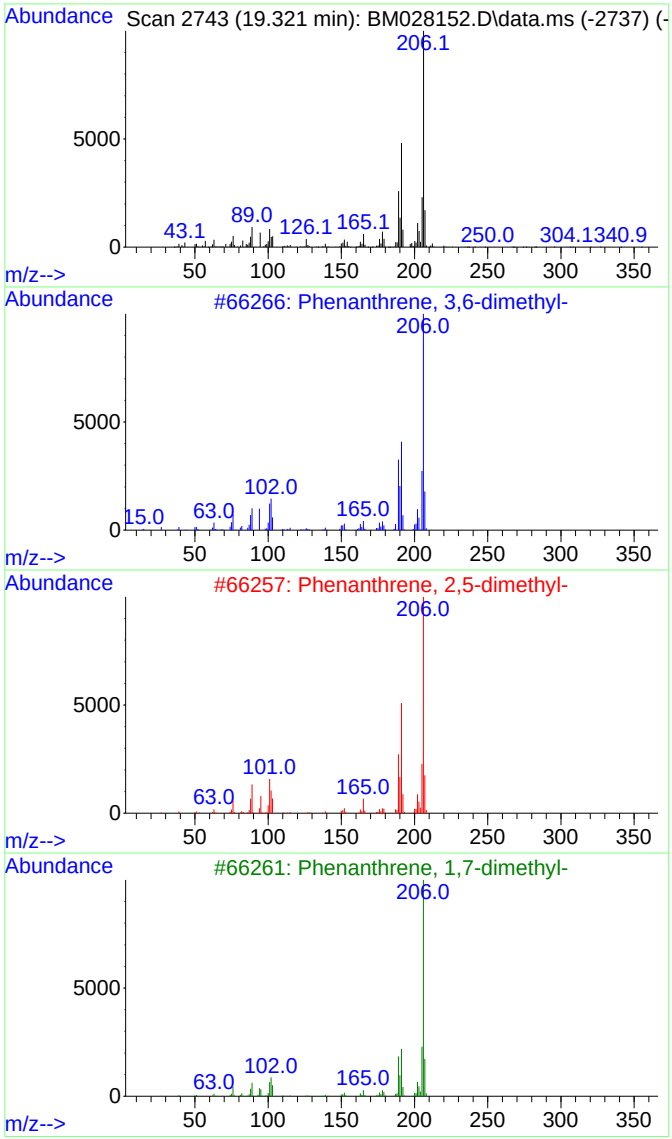
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

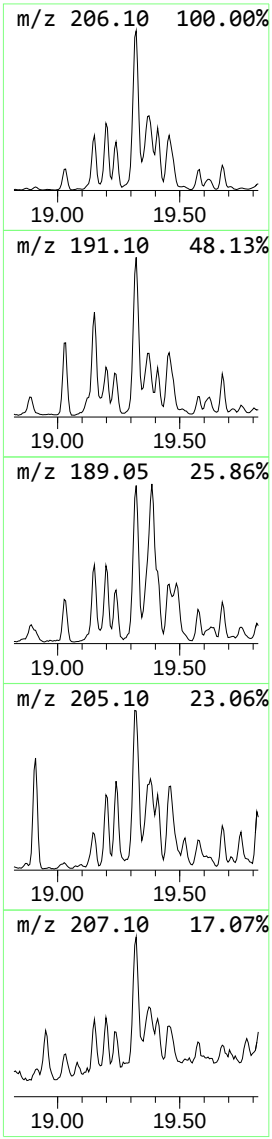
****

Peak Number 14 Phenanthrene, 2,5-dimethyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.321	16.17 ng	1687170	Phenanthrene-d10	17.557

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	94
2	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	93
3	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	93
4	di-p-Tolylacetylene	206	C16H14	002789-88-0	93
5	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	93





Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM121720\
Data File : BM028152.D
Acq On : 17 Dec 2020 21:46
Operator : JU/CG
Sample : L5036-03
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : B-2

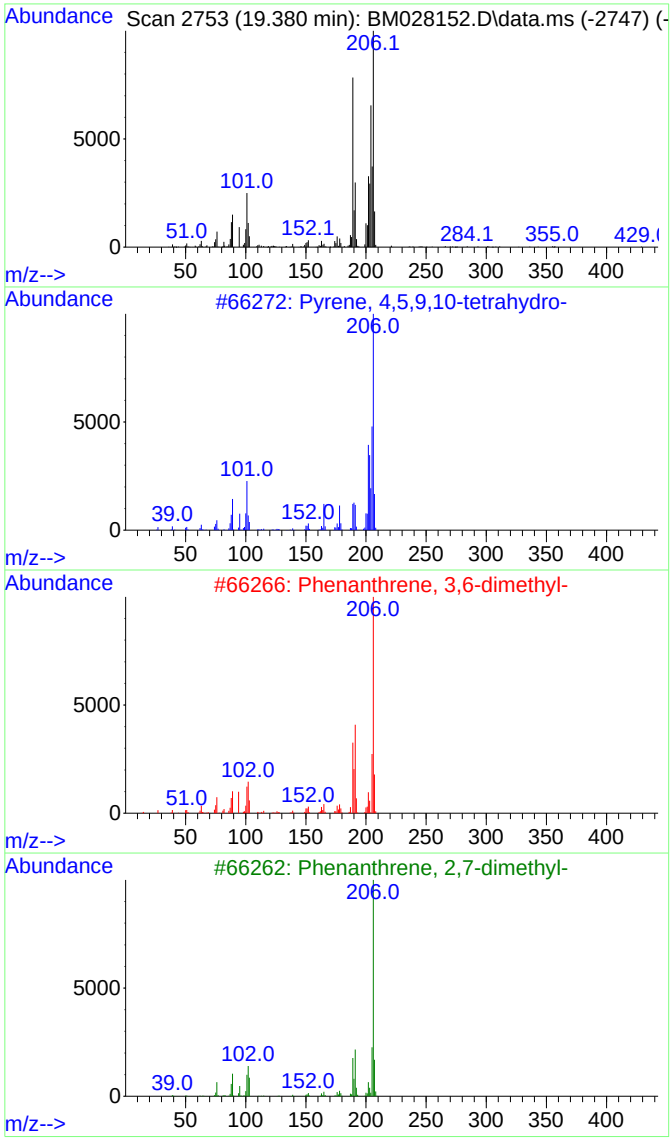
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM121620.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

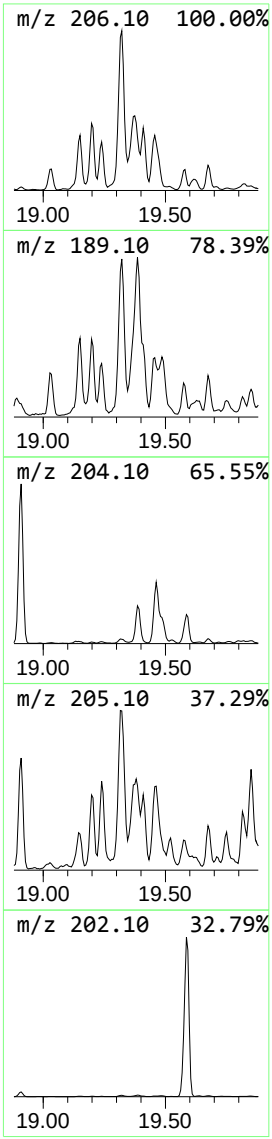
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 15 Pyrene, 4,5,9,10-tetrahydro- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.380	6.49 ng	677401	Phenanthrene-d10	17.557

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 4,5,9,10-tetrahydro-	206	C16H14	000781-17-9	60
2	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	50
3	Phenanthrene, 2,7-dimethyl-	206	C16H14	001576-69-8	43
4	1,3-Butadiene, 1,4-diphenyl-, (E...	206	C16H14	000538-81-8	41
5	Benzene, 1,1'-(1,3-butadienylide...	206	C16H14	004165-81-5	41





Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM121720\
Data File : BM028152.D
Acq On : 17 Dec 2020 21:46
Operator : JU/CG
Sample : L5036-03
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : B-2

Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM121620.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

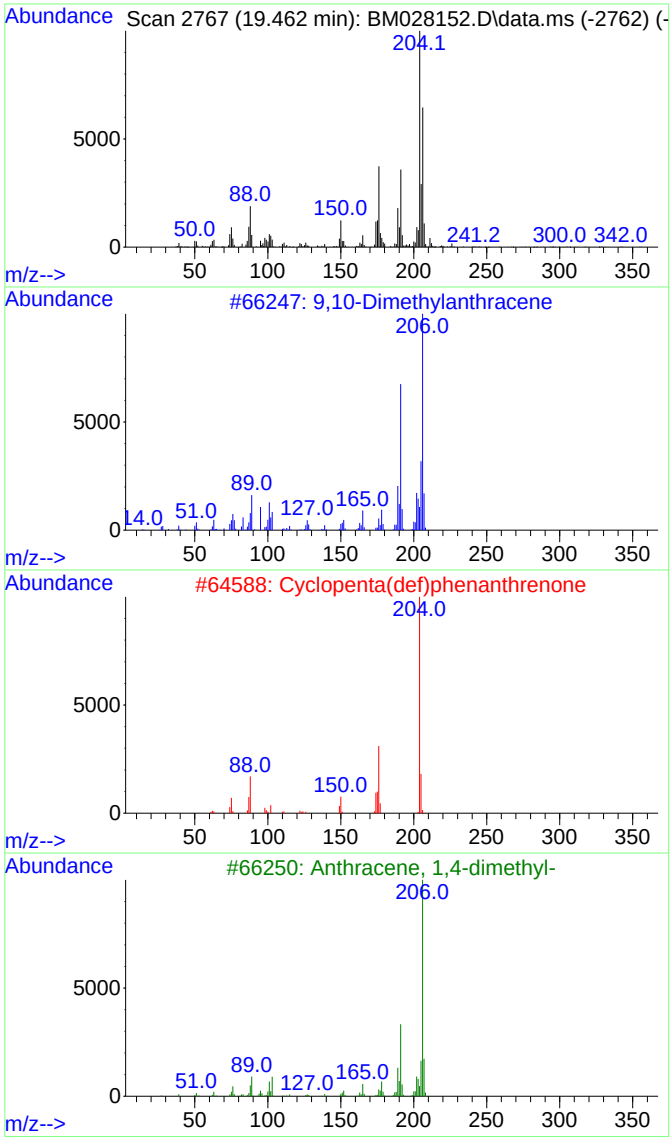
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

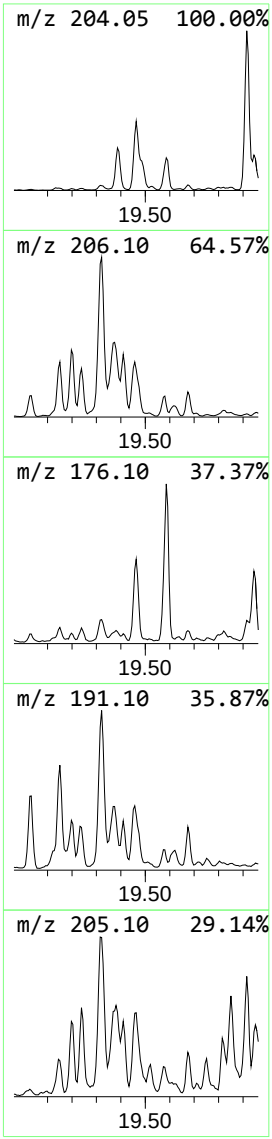
****

Peak Number 16 9,10-Dimethylanthracene Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.462	11.56 ng	1206180	Phenanthrene-d10	17.557

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Dimethylanthracene	206	C16H14	000781-43-1	90
2	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	89
3	Anthracene, 1,4-dimethyl-	206	C16H14	000781-92-0	60
4	1H-Indene, 2-methyl-3-phenyl-	206	C16H14	035099-60-6	46
5	1,3-Diphenyl-3-methylcyclopropene	206	C16H14	086544-79-8	42





Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM121720\
Data File : BM028152.D
Acq On : 17 Dec 2020 21:46
Operator : JU/CG
Sample : L5036-03
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
B-2

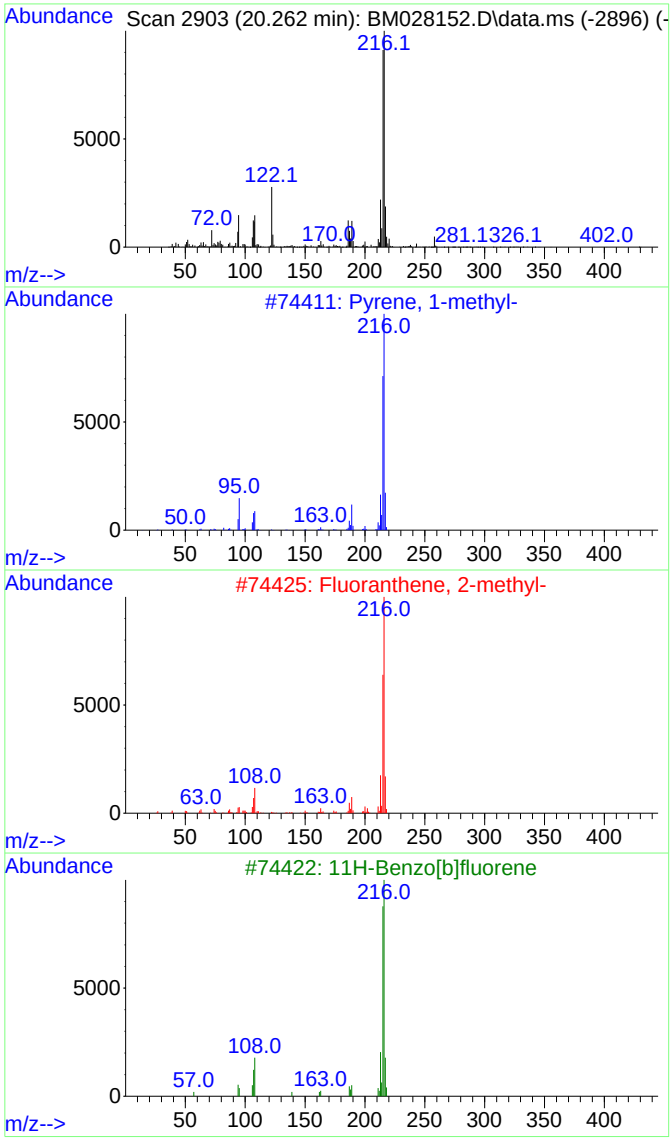
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM121620.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

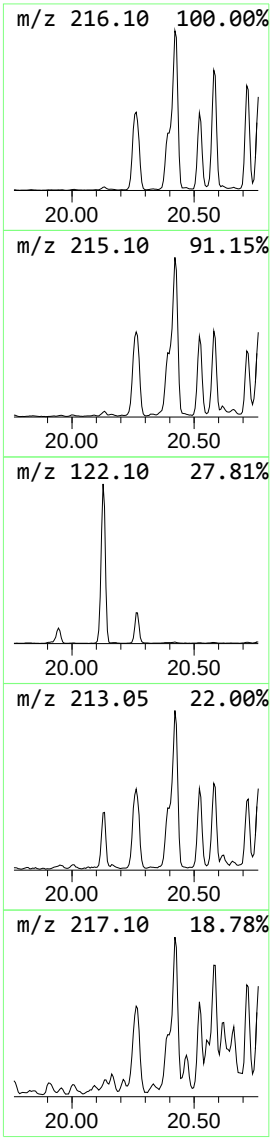
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 17 Pyrene, 1-methyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.262	5.38 ng	1873770	Chrysene-d12	21.668

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	96
2	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	83
3	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	83
4	Pyrene, 2-methyl-	216	C17H12	003442-78-2	64
5	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	64





Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM121720\
Data File : BM028152.D
Acq On : 17 Dec 2020 21:46
Operator : JU/CG
Sample : L5036-03
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : B-2

Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM121620.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

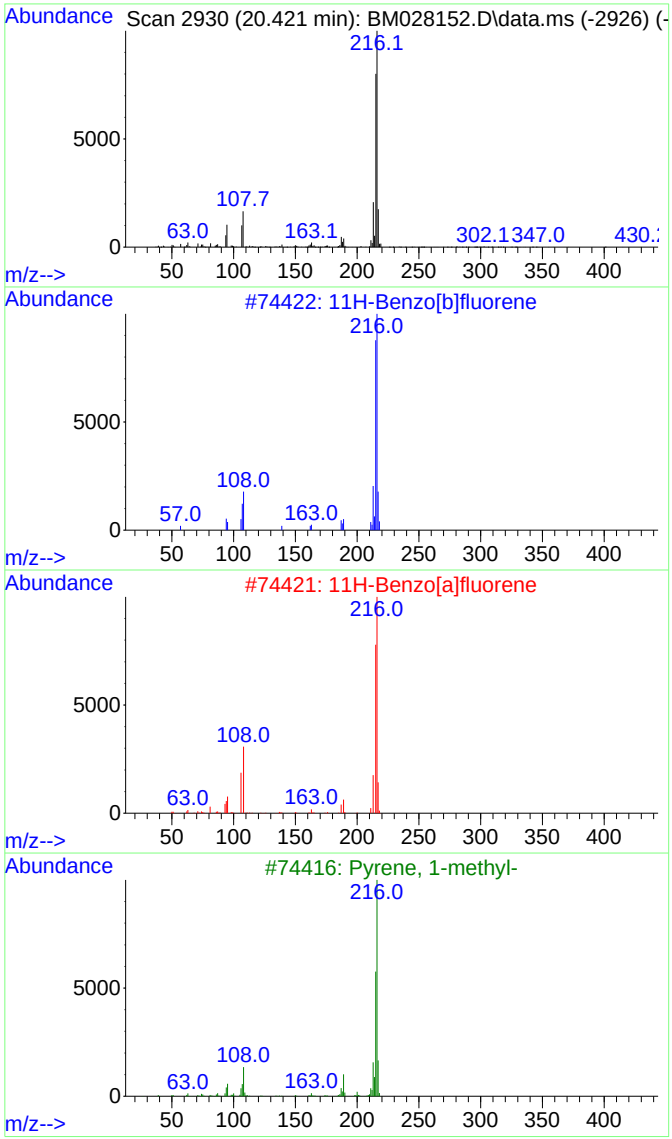
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

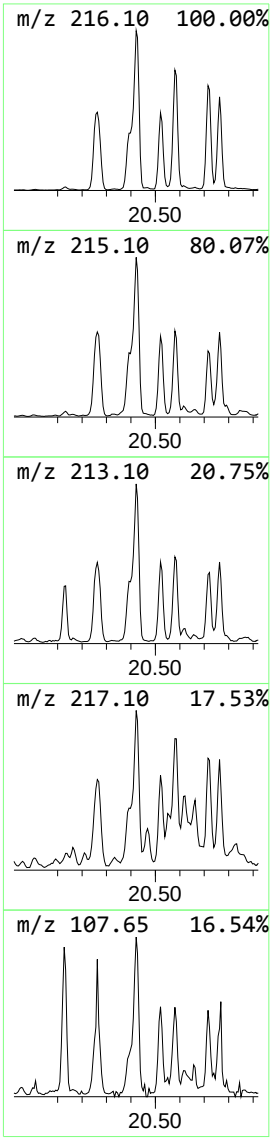
****

Peak Number 18 11H-Benzo[b]fluorene Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.421	4.91 ng	1707150	Chrysene-d12	21.668

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	91
2	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	90
3	Pyrene, 1-methyl-	216	C17H12	002381-21-7	86
4	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	74
5	Pyrene, 4-methyl-	216	C17H12	003353-12-6	60





Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM121720\
Data File : BM028152.D
Acq On : 17 Dec 2020 21:46
Operator : JU/CG
Sample : L5036-03
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : B-2

Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM121620.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

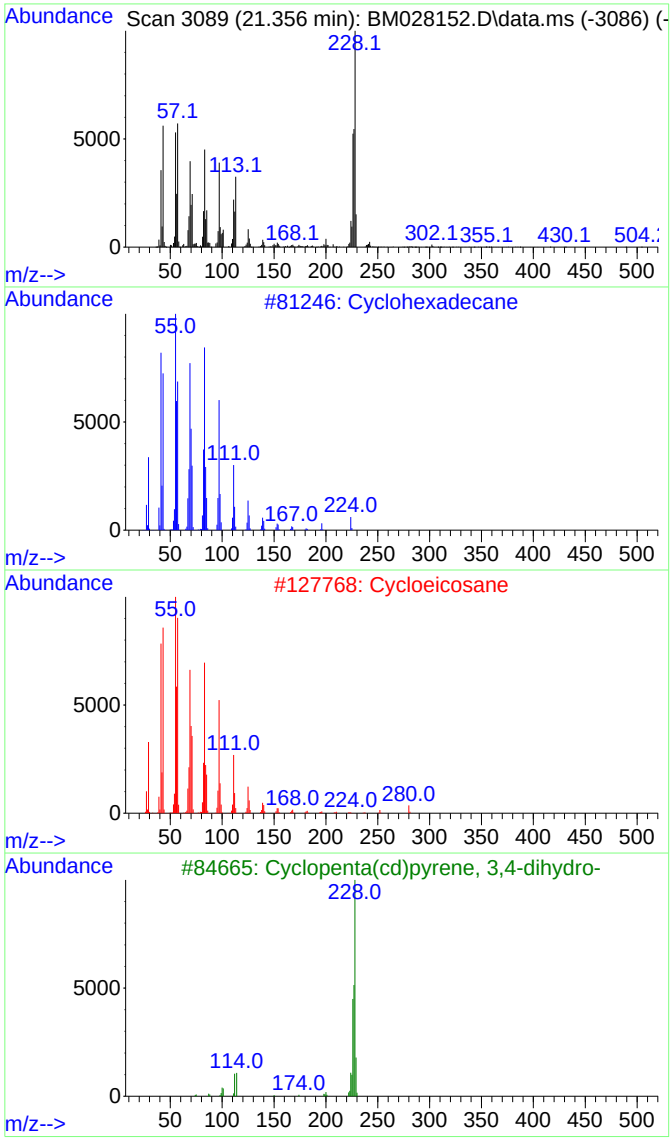
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

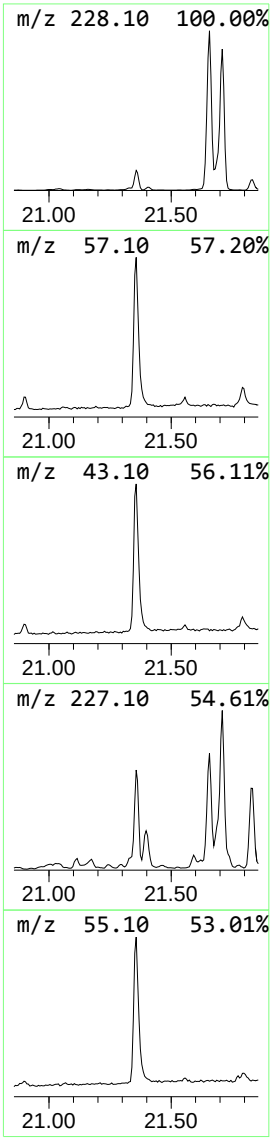
****

Peak Number 19 Cyclohexadecane Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.357	5.98 ng	2079970	Chrysene-d12	21.668

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexadecane	224	C16H32	000295-65-8	92
2	Cycloeicosane	280	C20H40	000296-56-0	91
3	Cyclopenta(cd)pyrene, 3,4-dihydro-	228	C18H12	025732-74-5	46
4	1-Heneicosanol	312	C21H44O	015594-90-8	35
5	Trifluoroacetoxy hexadecane	338	C18H33F3O2	006222-03-3	35





Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM121720\
Data File : BM028152.D
Acq On : 17 Dec 2020 21:46
Operator : JU/CG
Sample : L5036-03
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : B-2

Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM121620.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

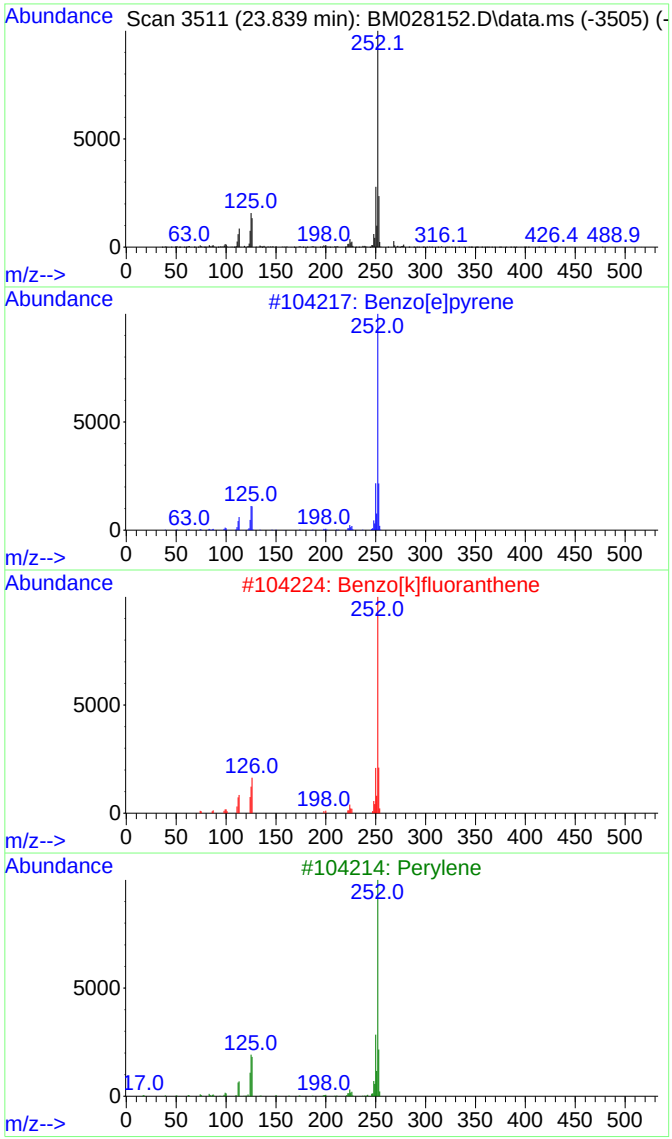
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

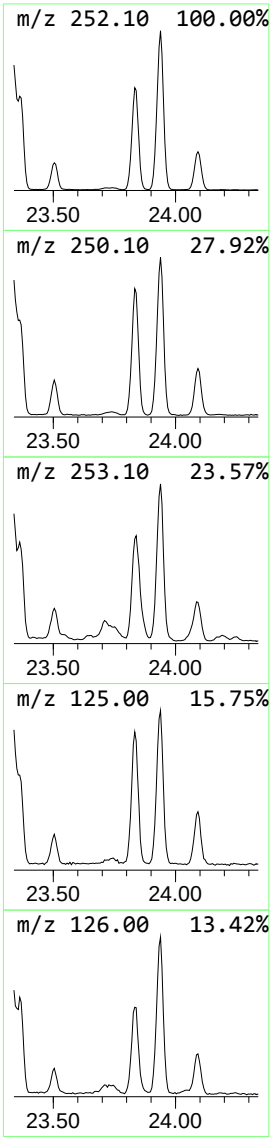
****

Peak Number 20 Benzo[e]pyrene Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
23.839	30.83 ng	2131380	Perylene-d12	24.039

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	98
4	Benzo[a]pyrene	252	C20H12	000050-32-8	98
5	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	94





Tentatively Identified Compound (LSC) summary

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM121720\
Data File : BM028152.D
Acq On : 17 Dec 2020 21:46
Operator : JU/CG
Sample : L5036-03
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : B-2

Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM121620.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
Naphthalene, 1,...	14.163	5.2	ng	454891	3	14.833	1735100	20.0
9H-Fluoren-9-one	17.210	4.5	ng	467193	4	17.557	2087250	20.0
Dibenzothiophene	17.374	7.3	ng	760068	4	17.557	2087250	20.0
4-Methylnaphtho...	18.127	5.6	ng	587893	4	17.557	2087250	20.0
Dibenzothiophen...	18.274	4.3	ng	446386	4	17.557	2087250	20.0
Phenanthrene, 2...	18.421	26.2	ng	2730010	4	17.557	2087250	20.0
Phenanthrene, 1...	18.468	25.8	ng	2695920	4	17.557	2087250	20.0
Anthracene, 1-m...	18.551	9.4	ng	978951	4	17.557	2087250	20.0
Benzaldehyde, 3...	18.616	31.9	ng	3330210	4	17.557	2087250	20.0
Phenanthrene, 4...	18.651	14.6	ng	1523570	4	17.557	2087250	20.0
Naphthalene, 2-...	18.910	11.2	ng	1166320	4	17.557	2087250	20.0
9,10-Anthracene...	18.951	11.2	ng	1169180	4	17.557	2087250	20.0
Phenanthrene, 3...	19.239	4.3	ng	450961	4	17.557	2087250	20.0
Phenanthrene, 2...	19.321	16.2	ng	1687170	4	17.557	2087250	20.0
Pyrene, 4,5,9,1...	19.380	6.5	ng	677401	4	17.557	2087250	20.0
9,10-Dimethylan...	19.462	11.6	ng	1206180	4	17.557	2087250	20.0
Pyrene, 1-methyl-	20.262	5.4	ng	1873770	5	21.668	6960440	20.0
11H-Benzo[b]flu...	20.421	4.9	ng	1707150	5	21.668	6960440	20.0
Cyclohexadecane	21.357	6.0	ng	2079970	5	21.668	6960440	20.0
Benzo[e]pyrene	23.839	30.8	ng	2131380	6	24.039	1382800	20.0