LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG041521\
Data File : BG048708.D
Acq On : 15 Apr 2021 14:20
Operator : CG/JU
Sample : M2019-01
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : 149TH-ST-E1-101

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_G\METHODS\8270-BG041421.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BG048708.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	5.637	383	391	399	rBV	457944	747959	52.12%	4.291%
2	7.241	656	664	680	rBV	489296	849351	59.18%	4.873%
3	8.081	800	807	814	rBV	122220	202238	14.09%	1.160%
4	9.256	999	1007	1014	rVB	315669	552817	38.52%	3.171%
5	10.907	1282	1288	1294	rBV	147323	255634	17.81%	1.467%
6	10.960	1295	1297	1303	rVB	14492	16970	1.18%	0.097%
7	12.312	1520	1527	1531	rBV6	8814	18344	1.28%	0.105%
8	12.564	1565	1570	1576	rVB2	14414	25752	1.79%	0.148%
9	12.787	1602	1608	1610	rBV	11357	19139	1.33%	0.110%
10	13.357	1697	1705	1715	rBV	758768	1163603	81.08%	6.675%
11	13.545	1730	1737	1744	rBV4	21916	41243	2.87%	0.237%
12	14.057	1817	1824	1828	rBV5	18770	28927	2.02%	0.166%
13	14.109	1830	1833	1838	rVB5	12677	19257	1.34%	0.110%
14	14.180	1838	1845	1852	rBV3	28331	61367	4.28%	0.352%
15	14.462	1887	1893	1898	rBV6	9973	22872	1.59%	0.131%
16	14.615	1916	1919	1923	rBV4	22203	29444	2.05%	0.169%
17	14.738	1931	1940	1946	rBV2	217549	363037	25.30%	2.083%
18	14.803	1946	1951	1957	rVB2	27167	48009	3.35%	0.275%
19	15.132	2000	2007	2012	rBV2	29235	44097	3.07%	0.253%
20	15.202	2016	2019	2023	rBV6	13761	19294	1.34%	0.111%
21	15.355	2038	2045	2049	rBV8	15767	25887	1.80%	0.149%
22	15.567	2077	2081	2086	rVB2	41268	61406	4.28%	0.352%
23	15.784	2112	2118	2122	rBV2	27618	51969	3.62%	0.298%
24	15.901	2133	2138	2142	rVB7	9714	15648	1.09%	0.090%
25	15.978	2149	2151	2159	rVB7	10934	17629	1.23%	0.101%
26	16.078	2164	2168	2172	rVB5	17376	26387	1.84%	0.151%
27	16.230	2186	2194	2202	rVB	574249	862782	60.12%	4.950%
28	16.430	2225	2228	2231	rBV3	25413	38300	2.67%	0.220%
29	16.460	2231	2233	2238	rVB6	34323	38975	2.72%	0.224%
30	16.559	2244	2250	2252	rBV6	11823	18079	1.26%	0.104%
31	16.777	2282	2287	2288	rBV5	12666	15346	1.07%	0.088%
32	16.841	2294	2298	2300	rBV5	11066	15785	1.10%	0.091%
33	16.888	2301	2306	2310	rVB8	11122	22951	1.60%	0.132%
34	16.947	2311	2316	2318	rVB6	13077	17779	1.24%	0.102%
35	17.018	2324	2328	2331	rBV6	16117	25130	1.75%	0.144%
36	17.147	2345	2350	2355	rBV6	18519	28512	1.99%	0.164%

LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG041521\
Data File : BG048708.D
Acq On : 15 Apr 2021 14:20
Operator : CG/JU
Sample : M2019-01
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : 149TH-ST-E1-101

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_G\METHODS\8270-BG041421.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

37	17.229	2359	2364	2368	rBV2	62997	86533	6.03%	0.496%
38	17.276	2368	2372	2375	rBV6	18822	27440	1.91%	0.157%
39	17.494	2403	2409	2413	rBV	247495	396512	27.63%	2.275%
40	17.535	2413	2416	2425	rVV	335905	486356	33.89%	2.790%
41	17.623	2427	2431	2437	rVV	76127	121179	8.44%	0.695%
42	17.682	2437	2441	2445	rVV7	10344	16757	1.17%	0.096%
43	17.764	2452	2455	2458	rBV5	8925	16165	1.13%	0.093%
44	17.899	2473	2478	2481	rBV2	25584	39737	2.77%	0.228%
45	17.970	2487	2490	2495	rVB4	24777	29148	2.03%	0.167%
46	18.075	2503	2508	2515	rVB10	18310	40478	2.82%	0.232%
47	18.375	2551	2559	2563	rBV2	139370	215305	15.00%	1.235%
48	18.422	2563	2567	2574	rVB2	76716	124481	8.67%	0.714%
49	18.498	2577	2580	2586	rVB2	32236	53885	3.75%	0.309%
50	18.569	2586	2592	2596	rBV3	88983	181265	12.63%	1.040%
51	18.598	2596	2597	2602	rVB	42479	44529	3.10%	0.255%
52	18.663	2604	2608	2615	rBV3	67092	130872	9.12%	0.751%
53	18.833	2633	2637	2639	rBV5	19245	29383	2.05%	0.169%
54	18.869	2639	2643	2647	rVV	44022	60109	4.19%	0.345%
55	18.910	2647	2650	2656	rVB5	37290	52628	3.67%	0.302%
56	19.104	2678	2683	2690	rVB7	70613	108864	7.59%	0.625%
57	19.162	2690	2693	2697	rBV3	24141	35544	2.48%	0.204%
58	19.286	2708	2714	2718	rBV3	64501	117383	8.18%	0.673%
59	19.374	2727	2729	2733	rVB5	22113	27453	1.91%	0.157%
60	19.427	2734	2738	2742	rBV	49109	69576	4.85%	0.399%
61	19.550	2753	2759	2764	rVB	661173	935718	65.20%	5.368%
62	19.603	2764	2768	2771	rBV5	21309	28787	2.01%	0.165%
63	19.644	2772	2775	2780	rVB5	44748	51809	3.61%	0.297%
64	19.791	2796	2800	2803	rBV3	25792	42824	2.98%	0.246%
65	19.873	2810	2814	2816	rBV2	148234	198279	13.82%	1.138%
66	19.914	2816	2821	2828	rVB	561540	848966	59.16%	4.870%
67	19.979	2828	2832	2837	rBV4	42257	64805	4.52%	0.372%
68	20.061	2844	2846	2847	rBV2	18189	16648	1.16%	0.096%
69	20.102	2847	2853	2858	rVB	1034210	1435135	100.00%	8.233%
70	20.249	2870	2878	2883	rBV7	92662	181417	12.64%	1.041%
71	20.320	2888	2890	2893	rVB2	26115	22043	1.54%	0.126%
72	20.361	2893	2897	2898	rBV4	33350	41362	2.88%	0.237%
73	20.396	2900	2903	2909	rVB2	89779	142136	9.90%	0.815%
74	20.502	2918	2921	2924	rBV	33033	37632	2.62%	0.216%
75	20.561	2928	2931	2935	rVB	88201	113926	7.94%	0.654%
76	20.643	2940	2945	2950	rVB	296268	385532	26.86%	2.212%

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Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : 149TH-ST-E1-101

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
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Peak separation: 5

Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG041421.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

77	20.702	2952	2955	2960	rVV	43827	71821	5.00%	0.412%
78	20.743	2960	2962	2972	rVB4	41426	78929	5.50%	0.453%
79	20.849	2977	2980	2984	rVV4	49368	70248	4.89%	0.403%
80	20.901	2985	2989	2992	rVB	91208	110219	7.68%	0.632%
81	21.172	3032	3035	3039	rBV2	63720	81052	5.65%	0.465%
82	21.219	3039	3043	3048	rVB6	65639	98791	6.88%	0.567%
83	21.413	3072	3076	3080	rBV4	85649	124901	8.70%	0.717%
84	21.512	3089	3093	3098	rBV2	54146	101921	7.10%	0.585%
85	21.783	3131	3139	3146	rBV2	339507	955709	66.59%	5.483%
86	21.842	3146	3149	3159	rVB	240613	398618	27.78%	2.287%
87	21.983	3169	3173	3179	rBV4	73117	129598	9.03%	0.743%
88	22.411	3243	3246	3252	rVB5	48543	71727	5.00%	0.411%
89	22.617	3277	3281	3289	rVB5	44359	87813	6.12%	0.504%
90	23.334	3399	3403	3408	rVB5	73799	130863	9.12%	0.751%
91	24.080	3522	3530	3538	rBV2	176700	614347	42.81%	3.524%
92	24.832	3654	3658	3667	rVB2	92133	242733	16.91%	1.393%
93	24.985	3676	3684	3696	rVB2	168639	512041	35.68%	2.938%
94	25.149	3704	3712	3721	rBV5	144153	465492	32.44%	2.670%
95	28.992	4357	4366	4377	rVB3	56867	213720	14.89%	1.226%

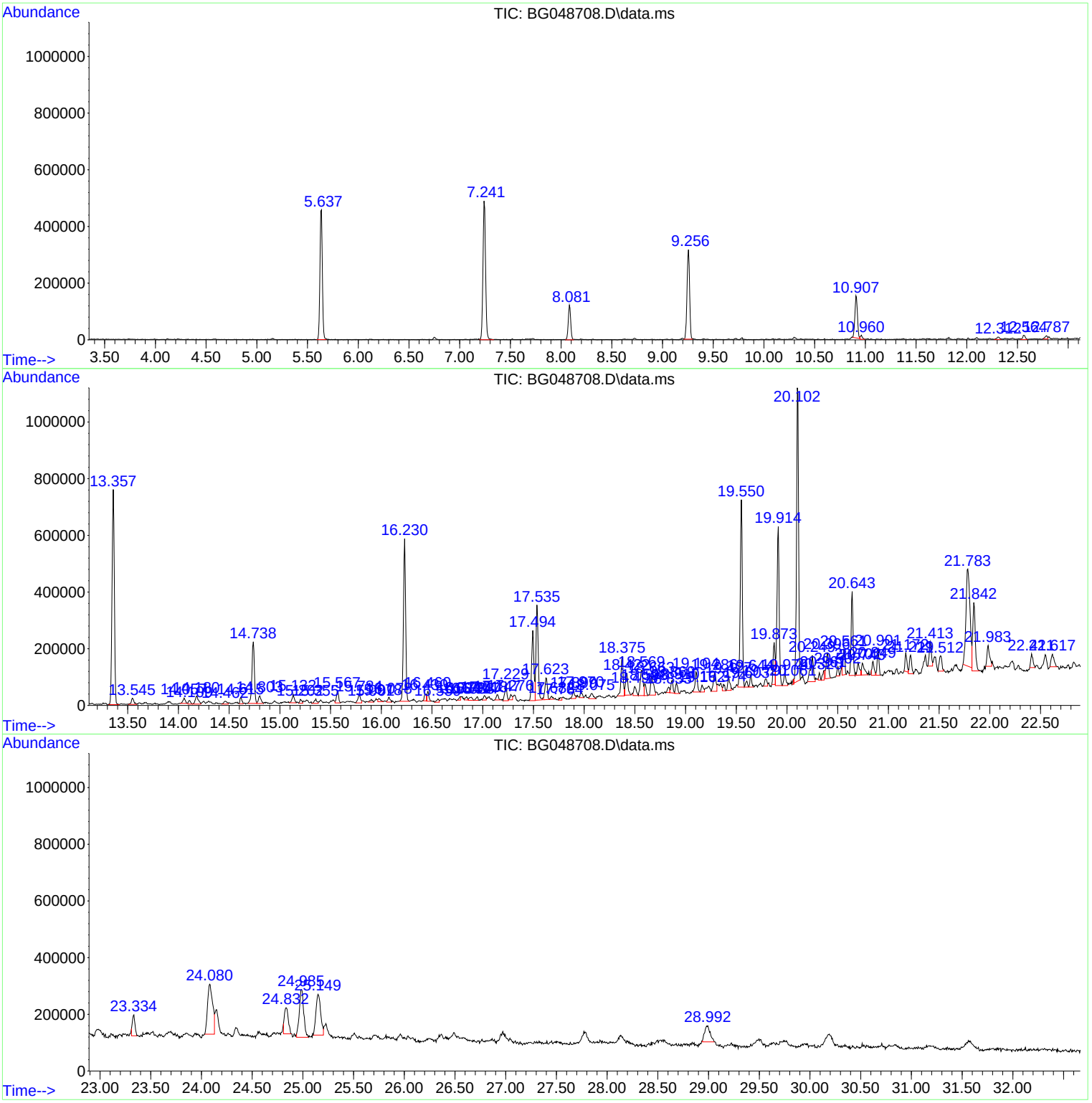
Sum of corrected areas: 17431063

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG041521\
Data File : BG048708.D
Acq On : 15 Apr 2021 14:20
Operator : CG/JU
Sample : M2019-01
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
149TH-ST-E1-101

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG041421.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_G\Data\BG041521\
Data File : BG048708.D
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Instrument : BNA_G
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG041421.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

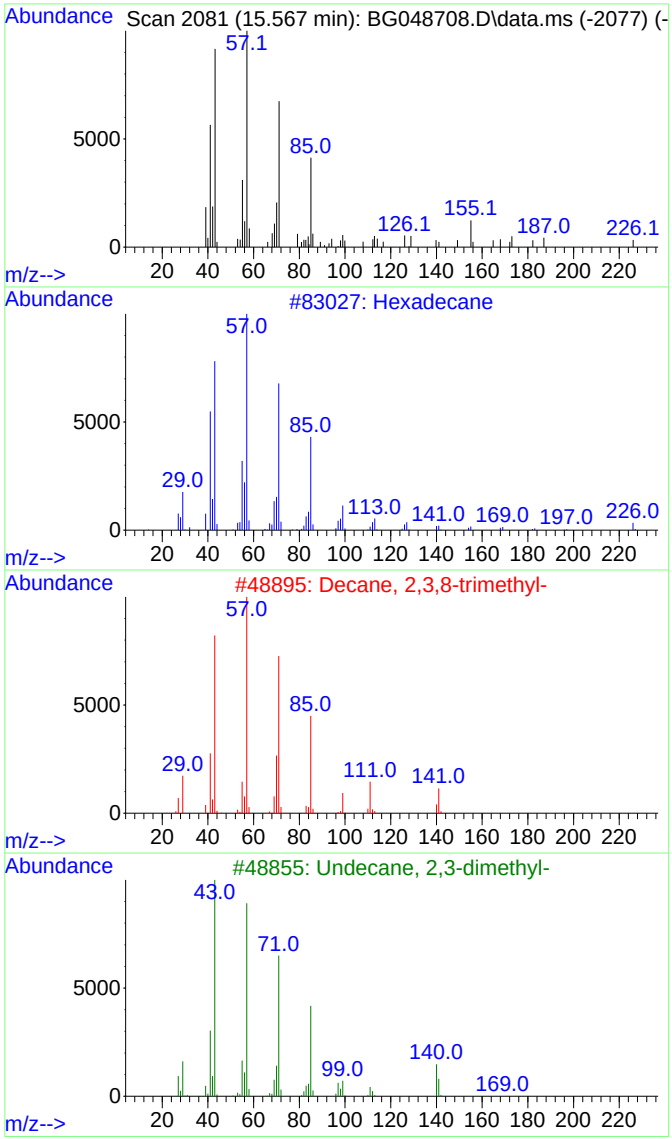
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

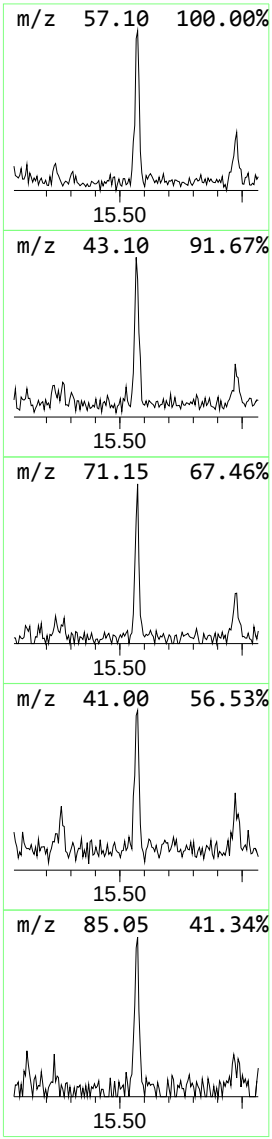
****

Peak Number 1 Hexadecane Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.567	3.38 ng	61406	Acenaphthene-d10	14.738

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexadecane	226	C16H34	000544-76-3	68
2	Decane, 2,3,8-trimethyl-	184	C13H28	062238-14-6	59
3	Undecane, 2,3-dimethyl-	184	C13H28	017312-77-5	53
4	Sulfurous acid, hexyl pentyl ester	236	C11H24O3S	1000309-14-1	50
5	Sulfurous acid, 2-ethylhexyl iso...	278	C14H30O3S	1000309-19-0	50





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG041521\
Data File : BG048708.D
Acq On : 15 Apr 2021 14:20
Operator : CG/JU
Sample : M2019-01
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : 149TH-ST-E1-101

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG041421.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

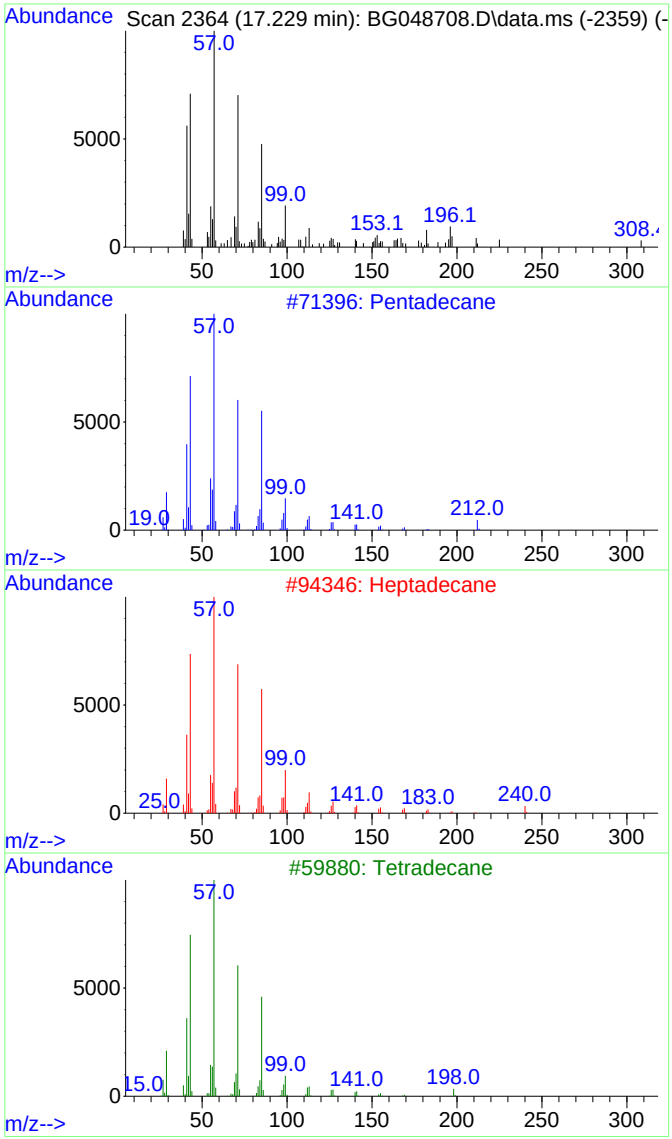
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

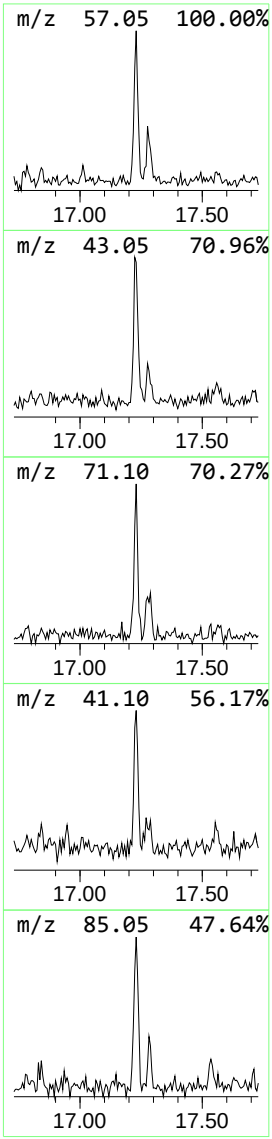
****

Peak Number 3 Pentadecane Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.229	4.36 ng	86533	Phenanthrene-d10	17.494

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentadecane	212	C15H32	000629-62-9	76
2	Heptadecane	240	C17H36	000629-78-7	72
3	Tetradecane	198	C14H30	000629-59-4	72
4	Octacosane	394	C28H58	000630-02-4	64
5	Nonadecane	268	C19H40	000629-92-5	58





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG041521\
Data File : BG048708.D
Acq On : 15 Apr 2021 14:20
Operator : CG/JU
Sample : M2019-01
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : 149TH-ST-E1-101

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG041421.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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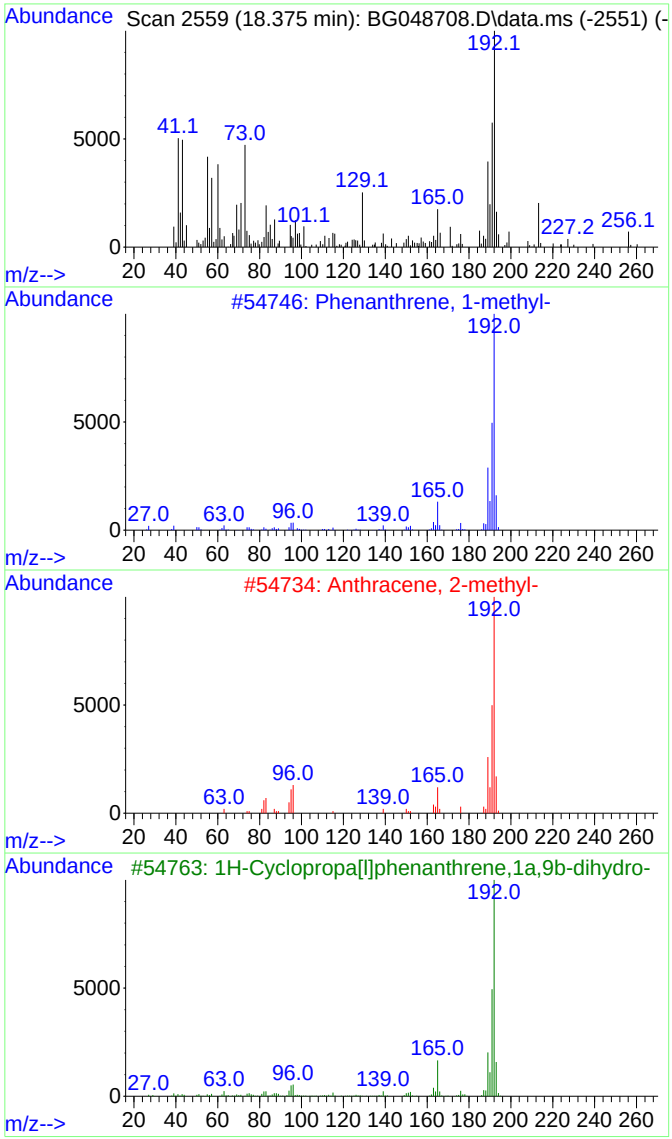
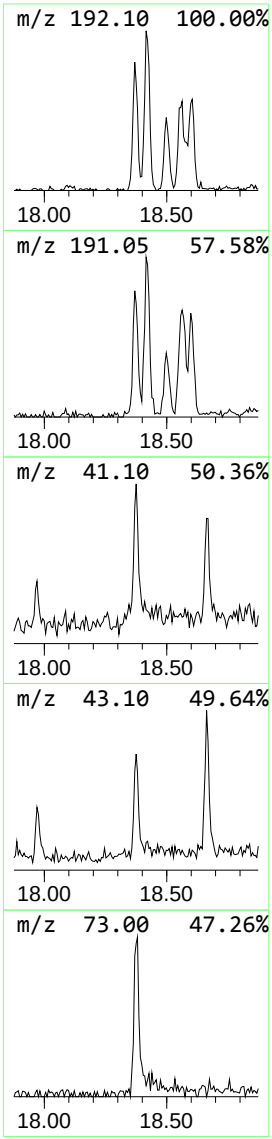
Peak Number 4 Phenanthrene, 1-methyl- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.375	10.86 ng	215305	Phenanthrene-d10	17.494

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	87
2	Anthracene, 2-methyl-	192	C15H12	000613-12-7	53
3	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	50
4	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	50
5	Anthracene, 9-methyl-	192	C15H12	000779-02-2	50





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG041521\
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Acq On : 15 Apr 2021 14:20
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Sample : M2019-01
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : 149TH-ST-E1-101

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG041421.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST11.L
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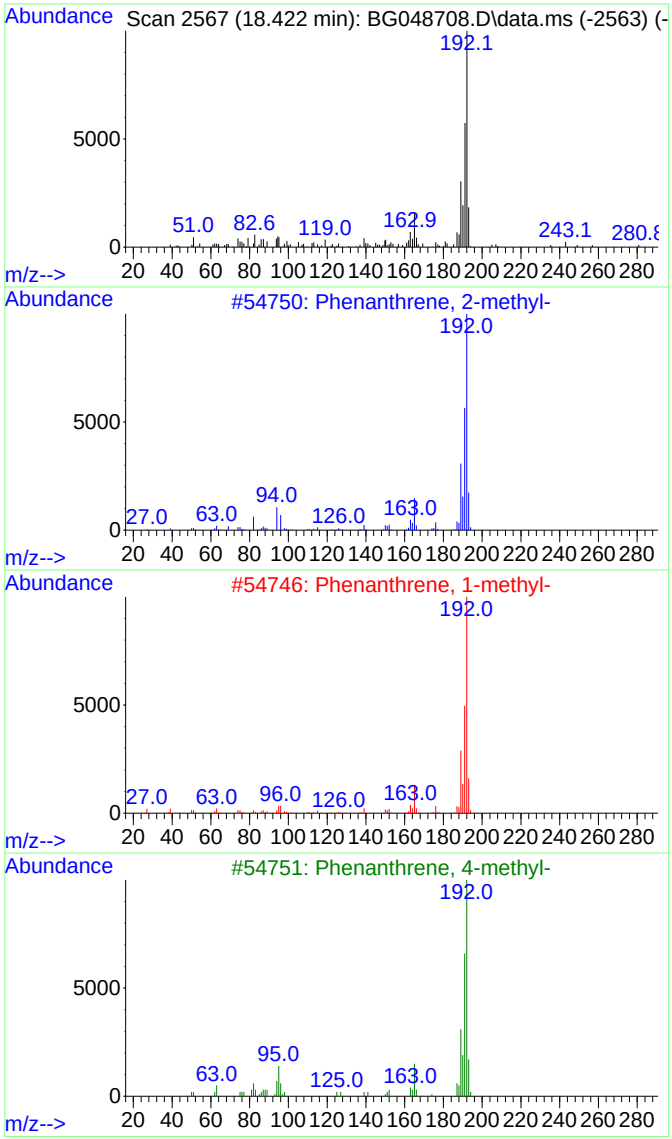
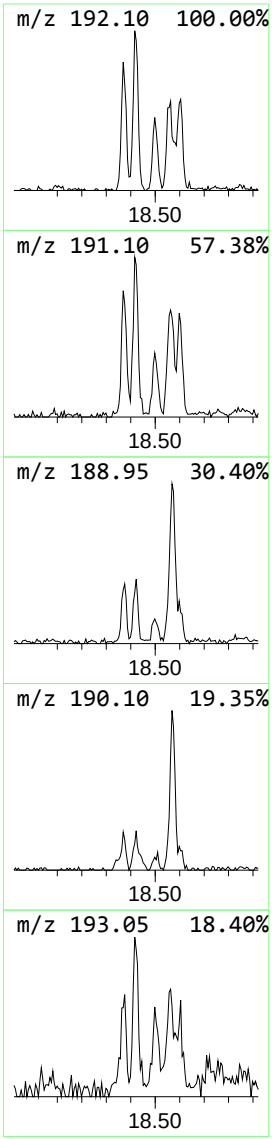
****

Peak Number 5 Phenanthrene, 2-methyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.422	6.28 ng	124481	Phenanthrene-d10	17.494

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	87
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	87
3	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	76
4	Anthracene, 1-methyl-	192	C15H12	000610-48-0	76
5	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	74





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG041521\
Data File : BG048708.D
Acq On : 15 Apr 2021 14:20
Operator : CG/JU
Sample : M2019-01
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : 149TH-ST-E1-101

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG041421.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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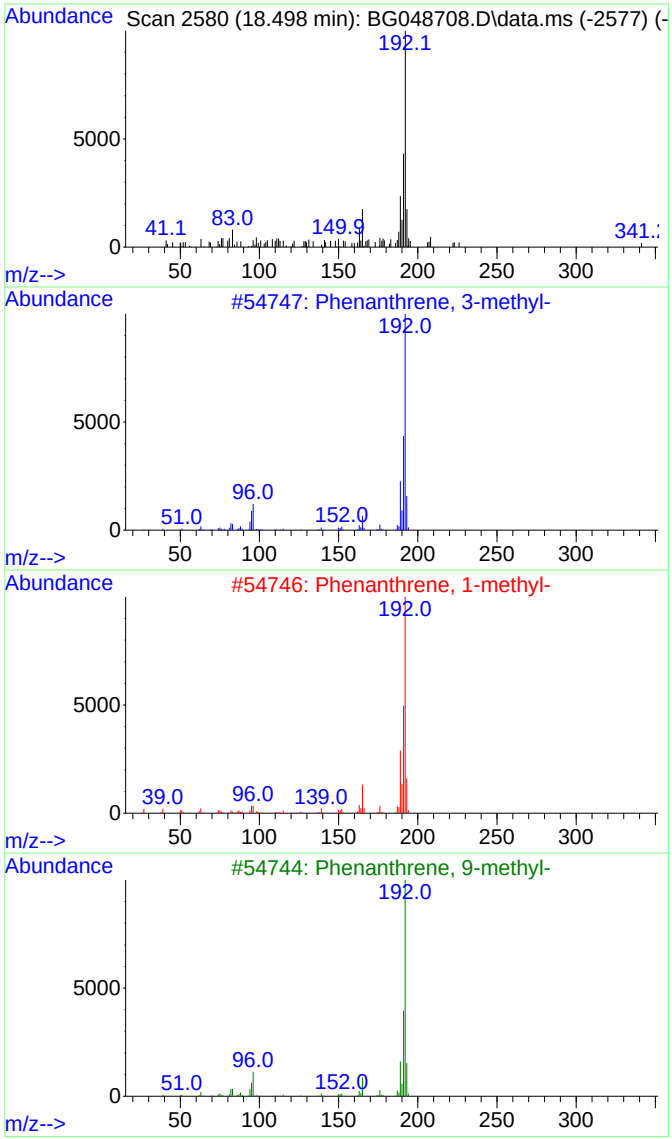
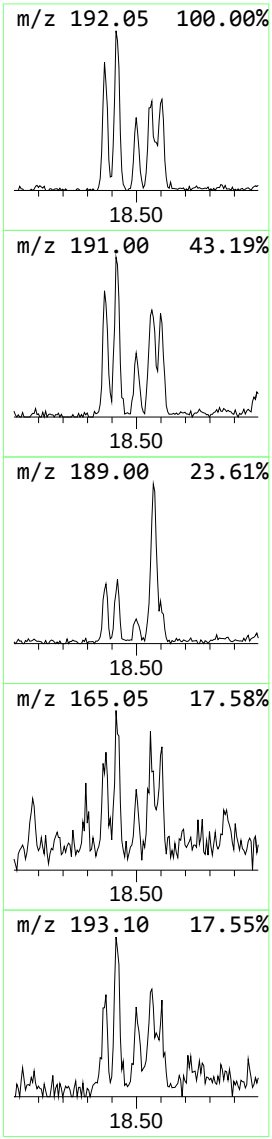
Peak Number 6 Phenanthrene, 3-methyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.498	2.72 ng	53885	Phenanthrene-d10	17.494

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 3-methyl-	192	C15H12	000832-71-3	93
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	87
3	Phenanthrene, 9-methyl-	192	C15H12	000883-20-5	87
4	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	87
5	Anthracene, 1-methyl-	192	C15H12	000610-48-0	87





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG041521\
Data File : BG048708.D
Acq On : 15 Apr 2021 14:20
Operator : CG/JU
Sample : M2019-01
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : 149TH-ST-E1-101

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

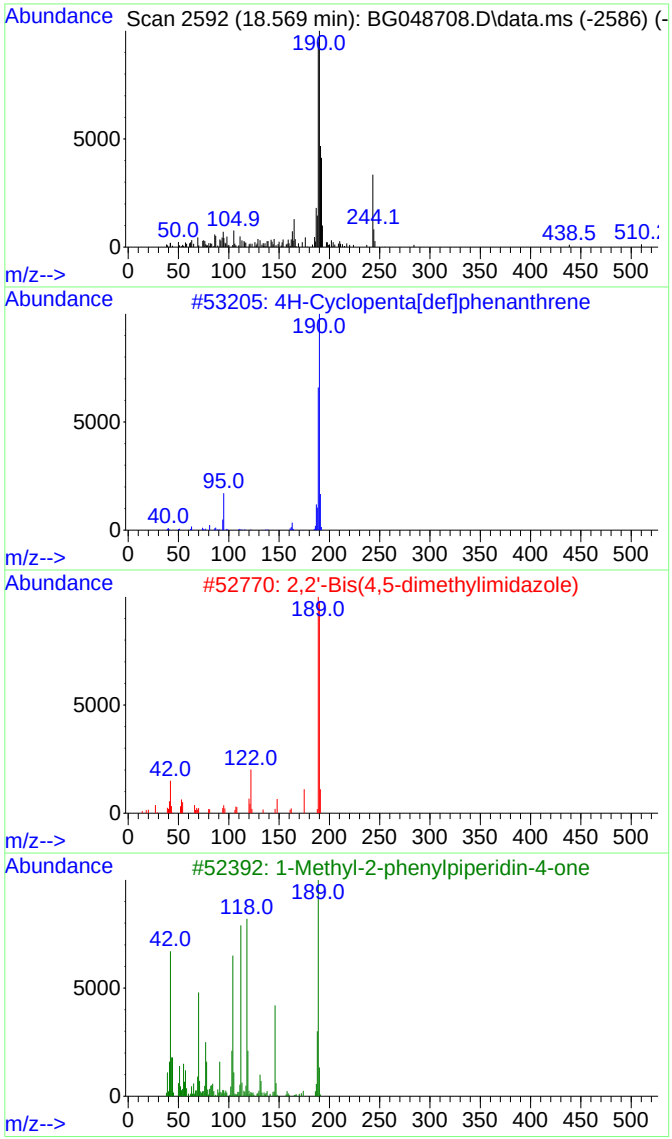
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

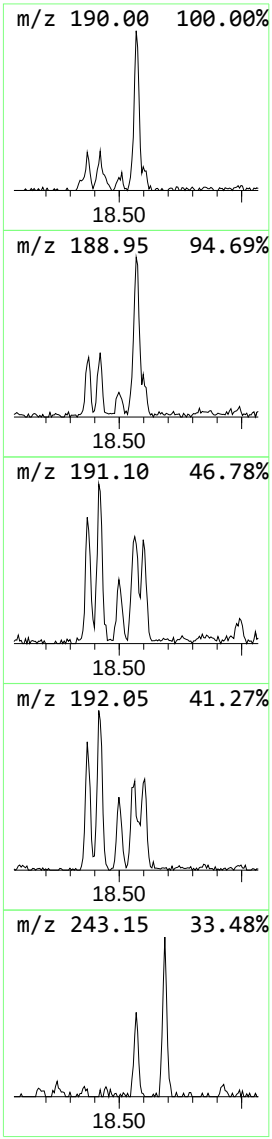
****

Peak Number 7 unknown18.569 Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.569	9.14 ng	181265	Phenanthrene-d10	17.494

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	49
2	2,2'-Bis(4,5-dimethylimidazole)	190	C10H14N4	069286-06-2	47
3	1-Methyl-2-phenylpiperidin-4-one	189	C12H15NO	091640-05-0	37
4	Carbonic acid, ethyl 2-formyl-4,...	262	C10H8Cl2O4	1000331-34-4	37
5	Benzimidazol-2(3H)-one, 5-formyl...	190	C10H10N2O2	055241-49-1	37





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Operator : CG/JU
Sample : M2019-01
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : 149TH-ST-E1-101

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

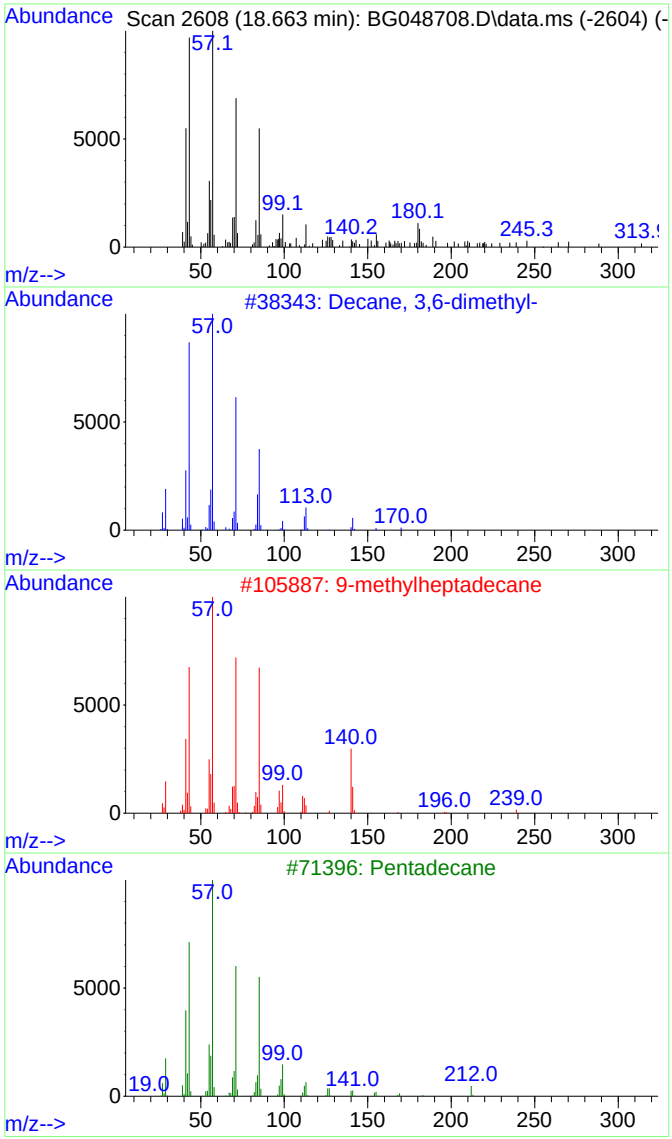
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

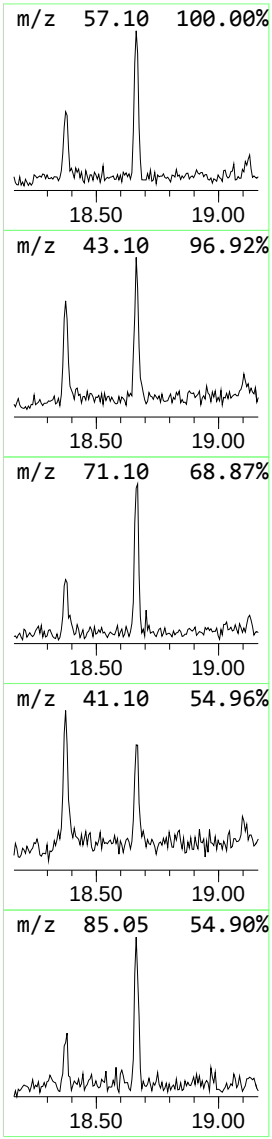
****

Peak Number 8 Decane, 3,6-dimethyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.663	6.60 ng	130872	Phenanthrene-d10	17.494

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Decane, 3,6-dimethyl-	170	C12H26	017312-53-7	83
2	9-methylheptadecane	254	C18H38	026741-18-4	80
3	Pentadecane	212	C15H32	000629-62-9	80
4	Undecane, 5-methyl-	170	C12H26	001632-70-8	80
5	Eicosane, 10-methyl-	296	C21H44	054833-23-7	80





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Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : 149TH-ST-E1-101

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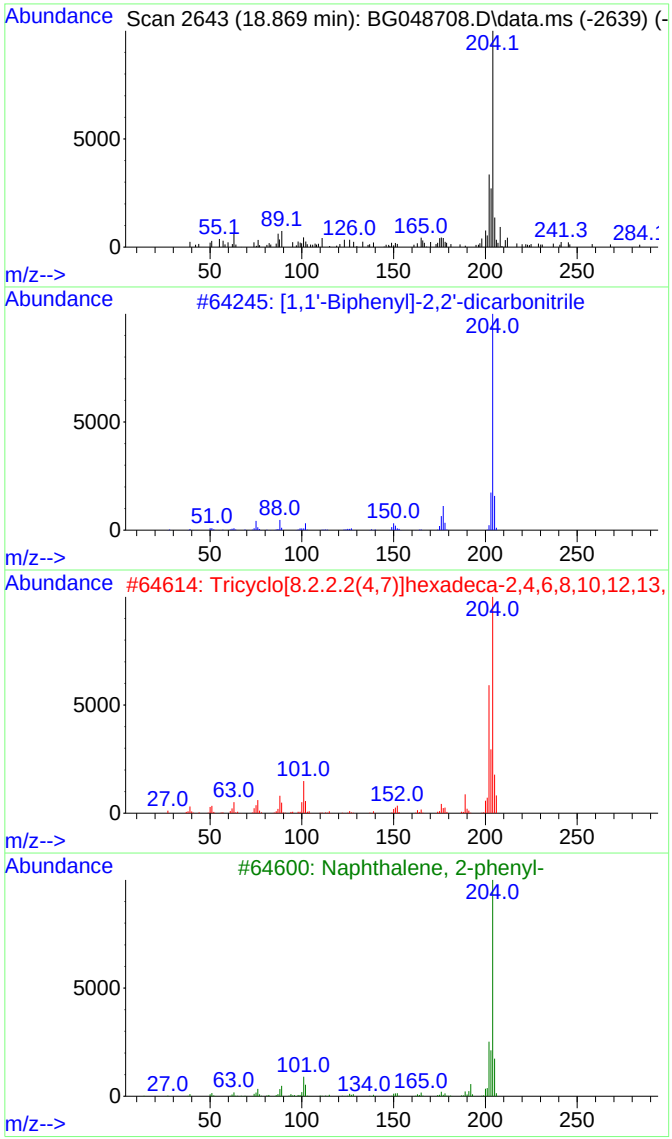
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

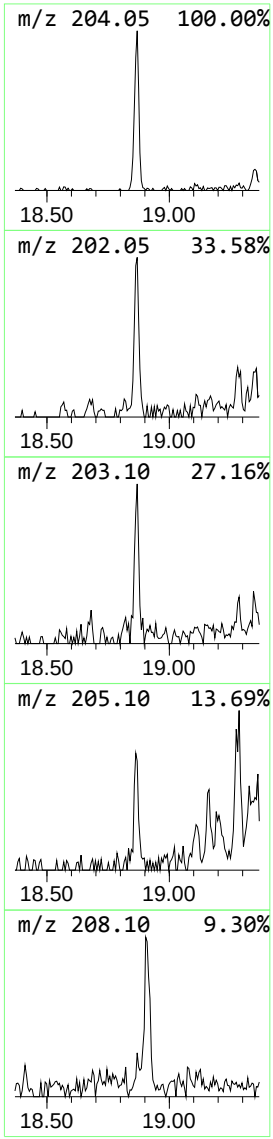
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 9 [1,1'-Biphenyl]-2,2'-dicarb... Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.869	3.03 ng	60109	Phenanthrene-d10	17.494

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	[1,1'-Biphenyl]-2,2'-dicarbonitrile	204	C14H8N2	004341-02-0	52
2	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	52
3	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	52
4	3,4-Biphenyldicarbonitrile	204	C14H8N2	004128-63-6	50
5	[1,1'-Biphenyl]-4,4'-dicarbonitrile	204	C14H8N2	001591-30-6	50





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ClientSampleId : 149TH-ST-E1-101

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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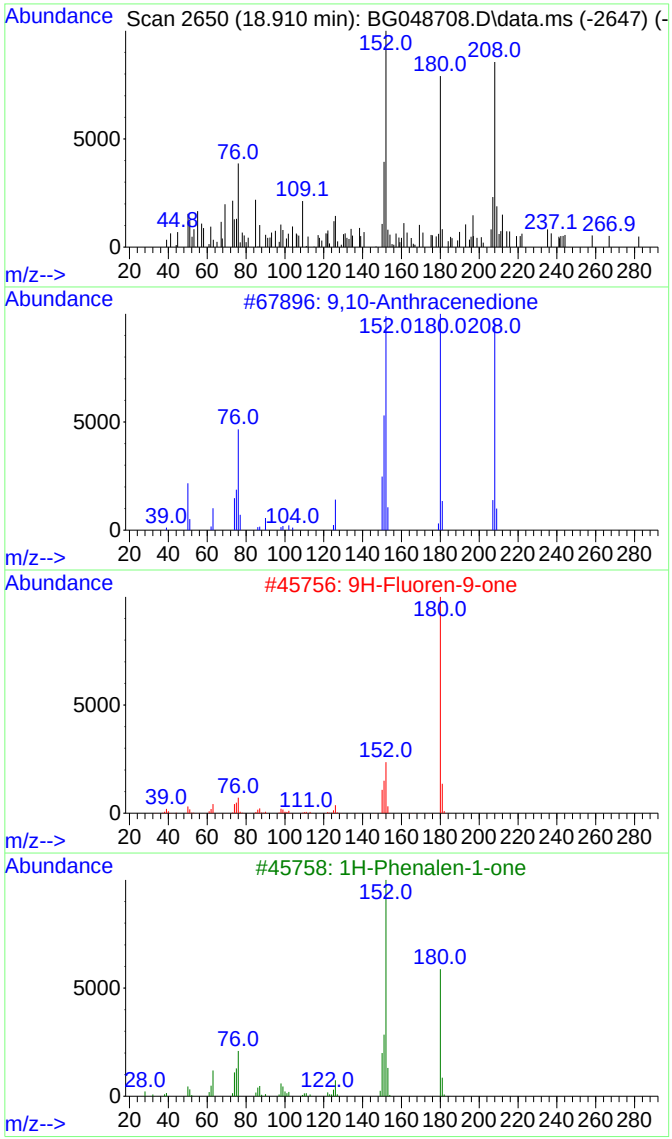
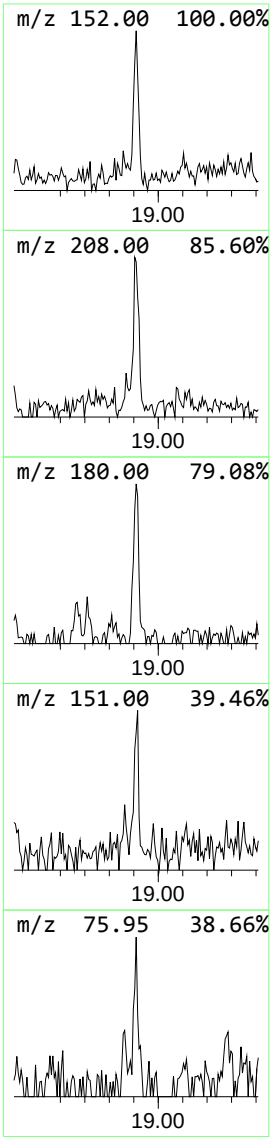
****

Peak Number 10 9,10-Anthracenedione Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.910	2.65 ng	52628	Phenanthrene-d10	17.494

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Anthracenedione	208	C14H8O2	000084-65-1	83
2	9H-Fluoren-9-one	180	C13H8O	000486-25-9	53
3	1H-Phenalen-1-one	180	C13H8O	000548-39-0	53
4	Benzo[c]cinnoline	180	C12H8N2	000230-17-1	46
5	Biphenylene	152	C12H8	000259-79-0	35





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Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : 149TH-ST-E1-101

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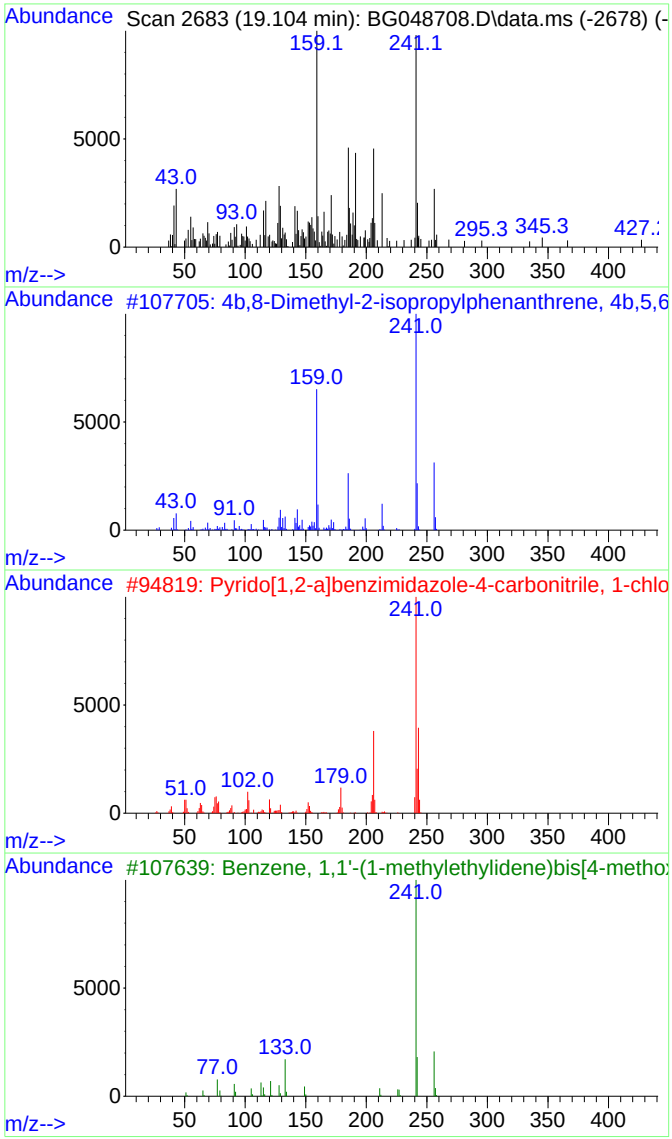
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

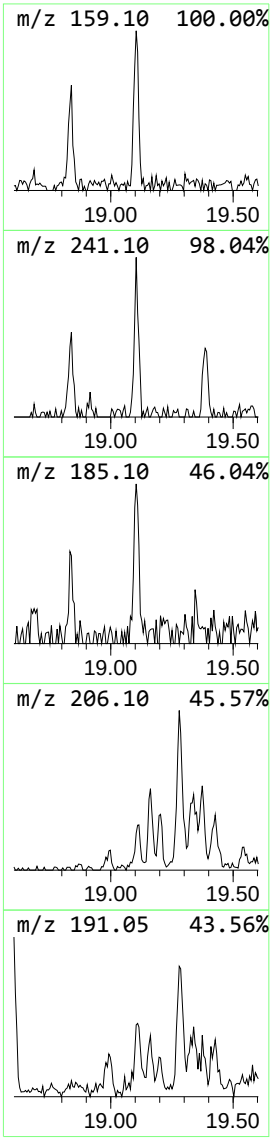
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 11 4b,8-Dimethyl-2-isopropylph... Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.104	5.49 ng	108864	Phenanthrene-d10	17.494

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4b,8-Dimethyl-2-isopropylphenant...	256	C19H28	1000197-14-1	70
2	Pyrido[1,2-a]benzimidazole-4-car...	241	C13H8ClN3	121105-78-0	25
3	Benzene, 1,1'-(1-methylethyliden...	256	C17H20O2	001568-83-8	18
4	Naphthalene, 6-ethyl-1,2,3,4-tet...	256	C19H28	301643-35-6	14
5	1H-Benz[de]isoquinoline-1,3(2H)-...	241	C14H11NO3	055133-82-9	14





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Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : 149TH-ST-E1-101

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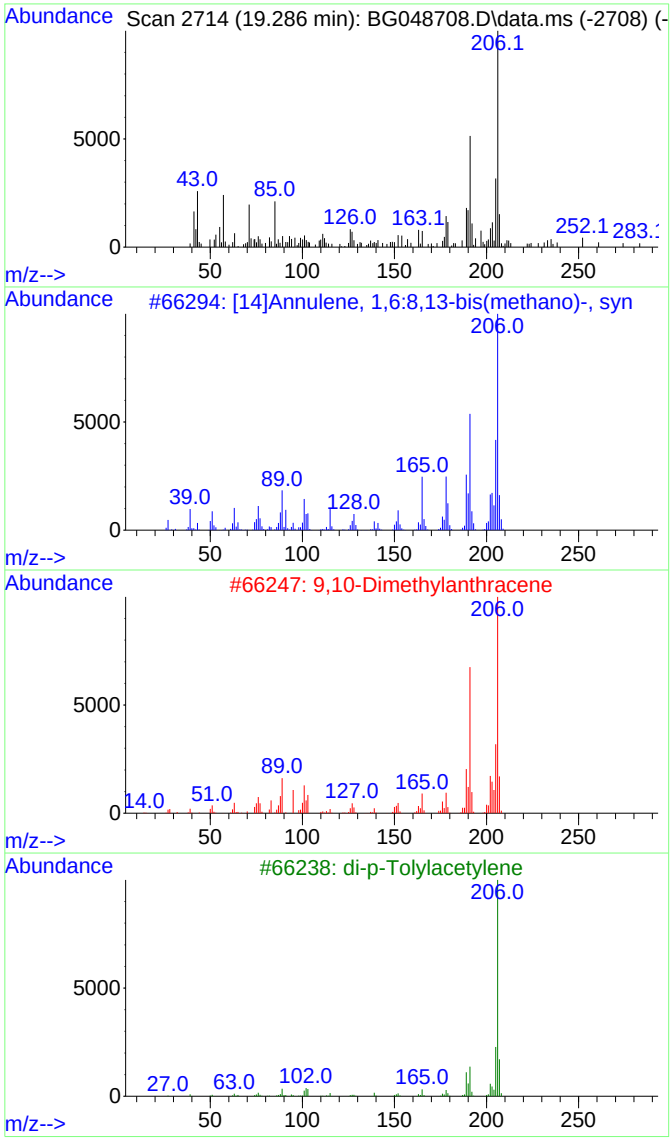
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

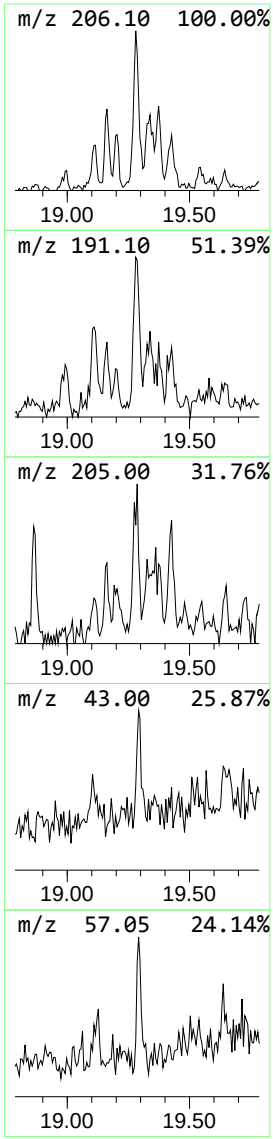
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 12 [14]Annulene, 1,6:8,13-bis(... Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.286	5.92 ng	117383	Phenanthrene-d10	17.494

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	[14]Annulene, 1,6:8,13-bis(metha...	206	C16H14	085385-68-8	89
2	9,10-Dimethylanthracene	206	C16H14	000781-43-1	89
3	di-p-Tolylacetylene	206	C16H14	002789-88-0	81
4	1,3-Butadiene, 1,4-diphenyl-, (E...	206	C16H14	000538-81-8	81
5	Naphthalene, 1,2-dihydro-4-phenyl-	206	C16H14	007469-40-1	76





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Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : 149TH-ST-E1-101

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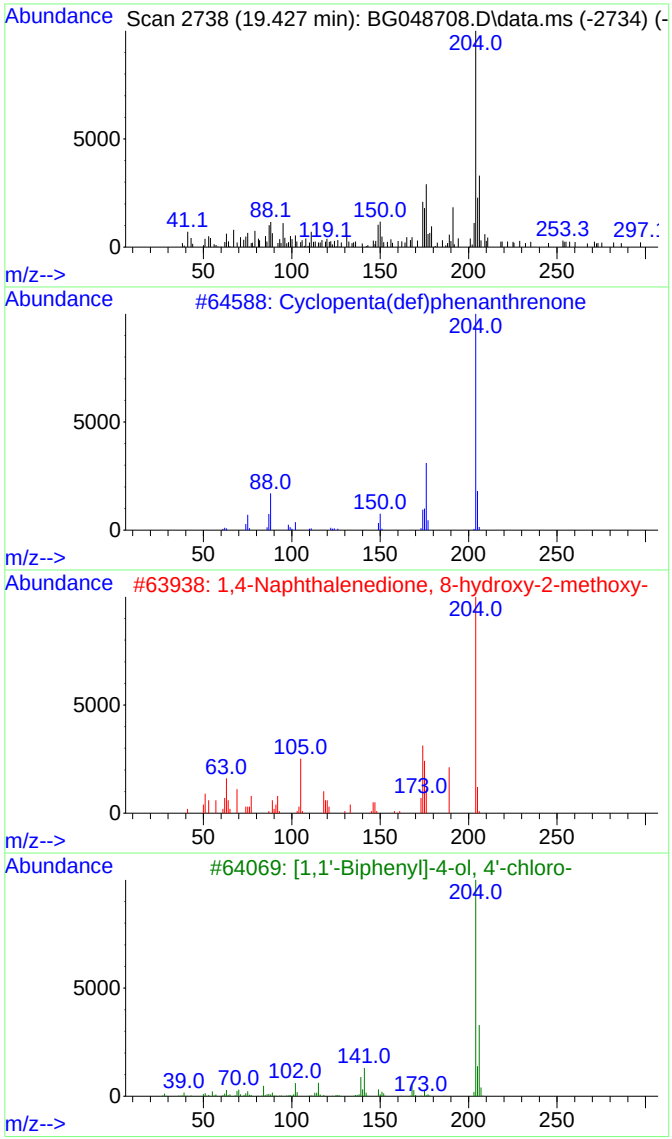
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

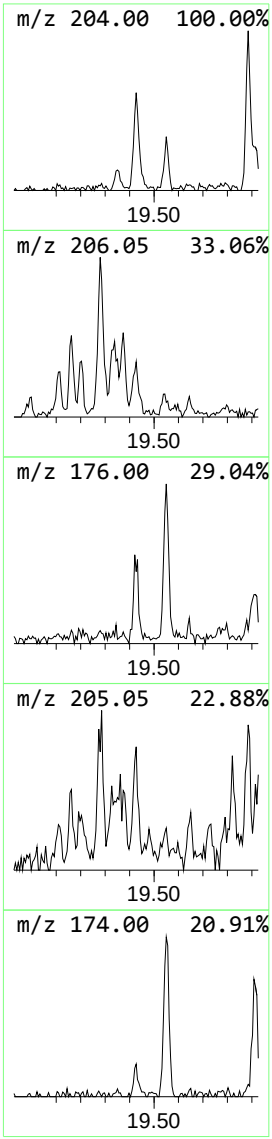
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 13 Cyclopenta(def)phenanthrenone Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.427	3.51 ng	69576	Phenanthrene-d10	17.494

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	64
2	1,4-Naphthalenedione, 8-hydroxy-...	204	C11H8O4	015254-76-9	49
3	[1,1'-Biphenyl]-4-ol, 4'-chloro-	204	C12H9ClO	028034-99-3	43
4	2-Chloro-4-phenylphenol	204	C12H9ClO	000092-04-6	43
5	[1,1'-Biphenyl]-4,4'-dicarbonitrile	204	C14H8N2	001591-30-6	43





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ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : 149TH-ST-E1-101

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG041421.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST11.L
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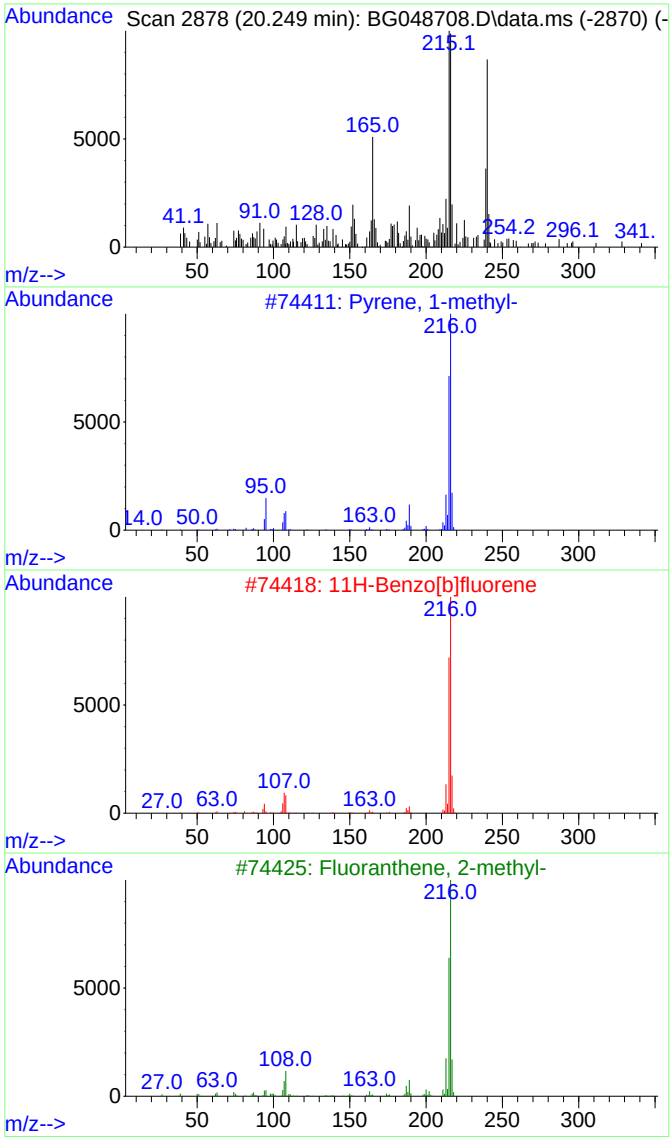
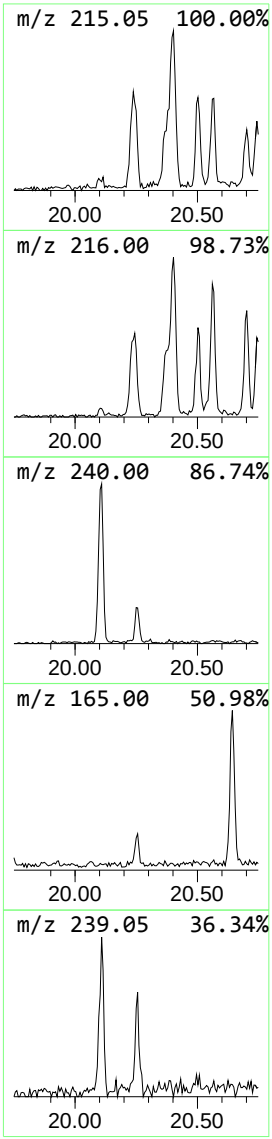
****

Peak Number 14 Pyrene, 1-methyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.249	3.80 ng	181417	Chrysene-d12	21.794

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	50
2	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	46
3	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	45
4	Benzene, 1,3-dimethoxy-5-[(1E)-2...	240	C16H16O2	021956-56-9	38
5	Naphtho[2,1-b:7,8-b']difuran, 1,...	240	C16H16O2	068873-21-2	25





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Sample : M2019-01
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : 149TH-ST-E1-101

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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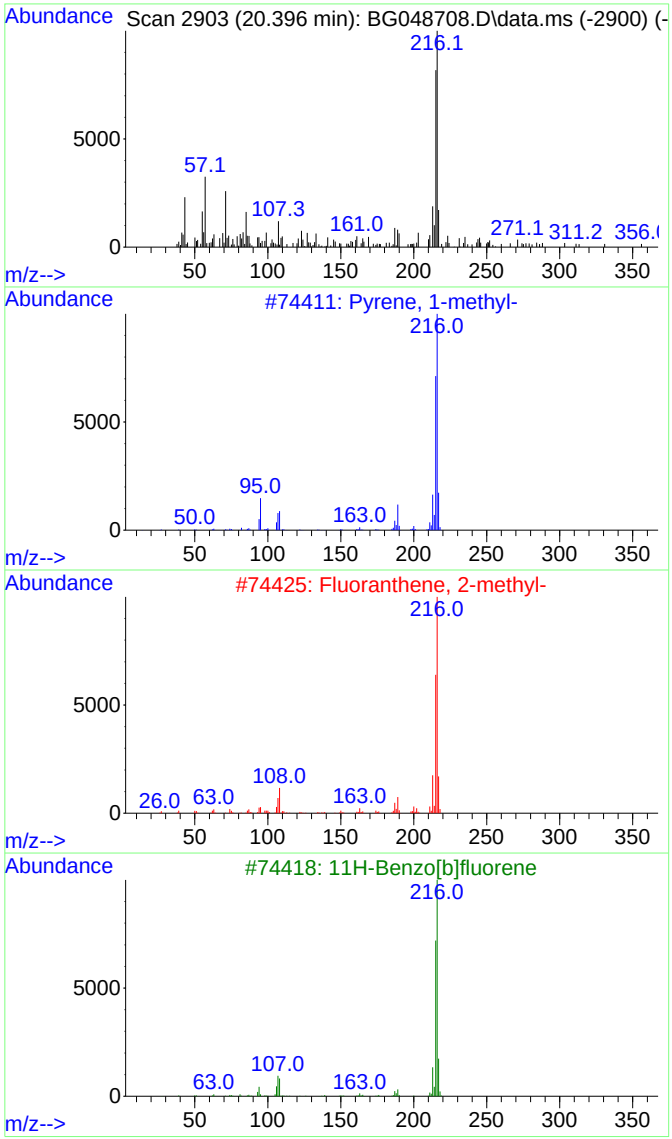
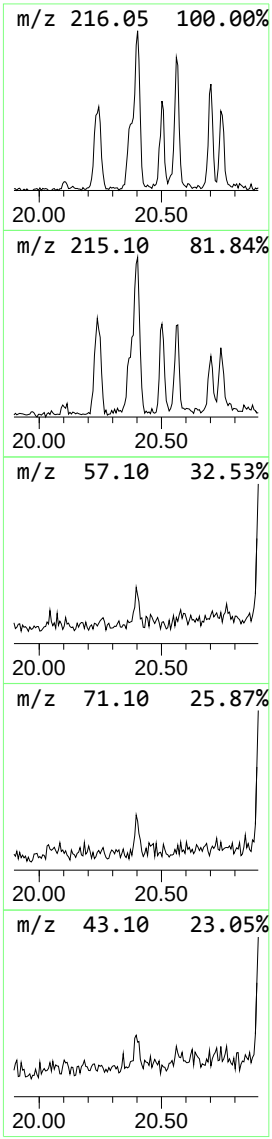
Peak Number 15 Fluoranthene, 2-methyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.396	2.97 ng	142136	Chrysene-d12	21.794

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	87
2	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	81
3	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	80
4	1,3,5-Triazine-2,4,6-triamine, N...	216	C10H12N6	046731-79-7	72
5	7H-Benzo[c]fluorene	216	C17H12	000205-12-9	72





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Misc :
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Instrument : BNA_G
ClientSampleId : 149TH-ST-E1-101

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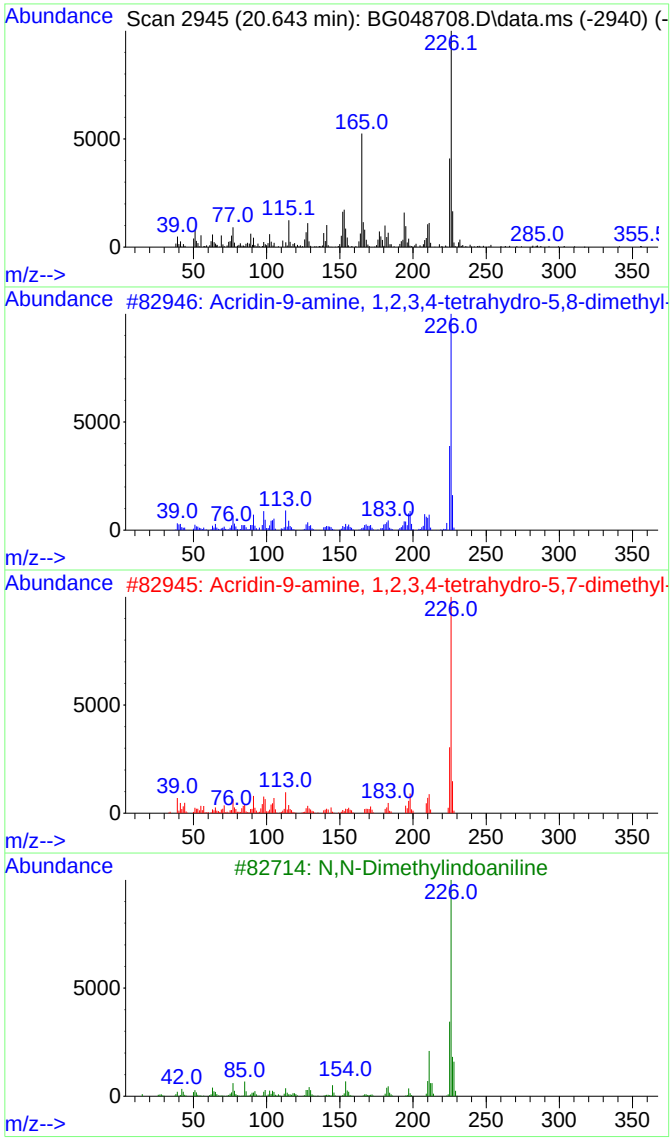
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

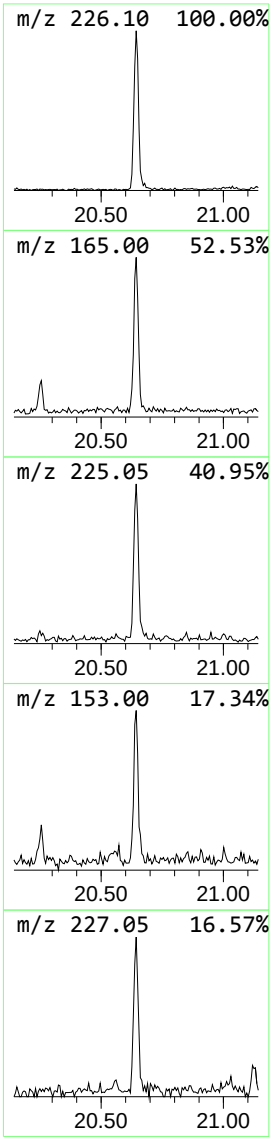
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 16 Acridin-9-amine, 1,2,3,4-te... Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.643	8.07 ng	385532	Chrysene-d12	21.794

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Acridin-9-amine, 1,2,3,4-tetrahy...	226	C15H18N2	297758-19-1	70
2	Acridin-9-amine, 1,2,3,4-tetrahy...	226	C15H18N2	1000300-57-6	64
3	N,N-Dimethylindoaniline	226	C14H14N2O	002150-58-5	49
4	9-Borabicyclo[3.3.1]nonane, 9-(2...	226	C16H23B	067753-90-6	46
5	4'-Methoxy-2-hydroxystilbene	226	C15H14O2	1000147-93-1	43





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Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : 149TH-ST-E1-101

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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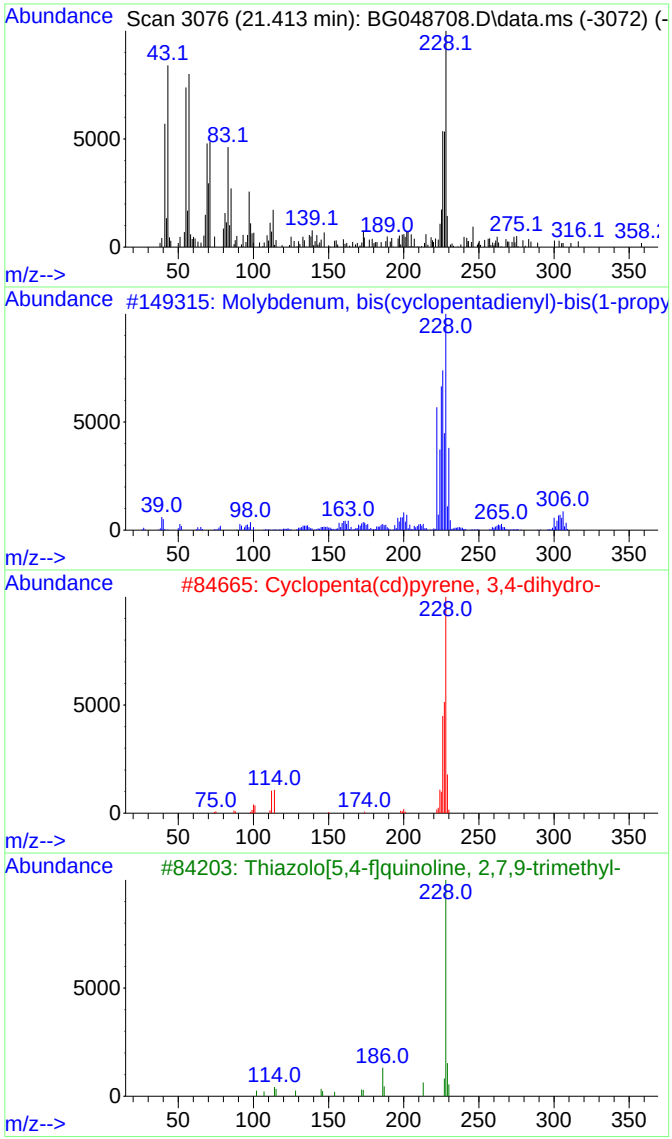
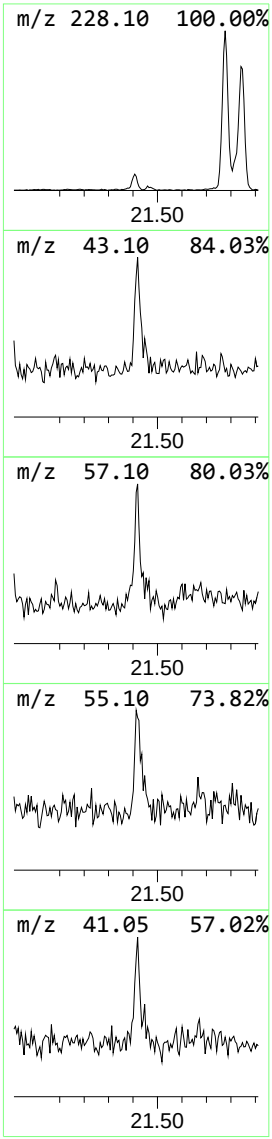
Peak Number 17 unknown21.413 Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.413	2.61 ng	124901	Chrysene-d12	21.794

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Molybdenum, bis(cyclopentadienyl...	306	C16H16Mo	1000152-57-9	38
2	Cyclopenta(cd)pyrene, 3,4-dihydro-	228	C18H12	025732-74-5	35
3	Thiazolo[5,4-f]quinoline, 2,7,9-...	228	C13H12N2S	038463-47-7	35
4	Thiazolo[4,5-f]quinoline, 2,7,9-...	228	C13H12N2S	038463-39-7	35
5	1(2H)-Phenanthrenone, 3,4,9,10-t...	228	C15H16O2	014427-61-3	30





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Instrument : BNA_G
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TIC Library : C:\Database\NIST11.L
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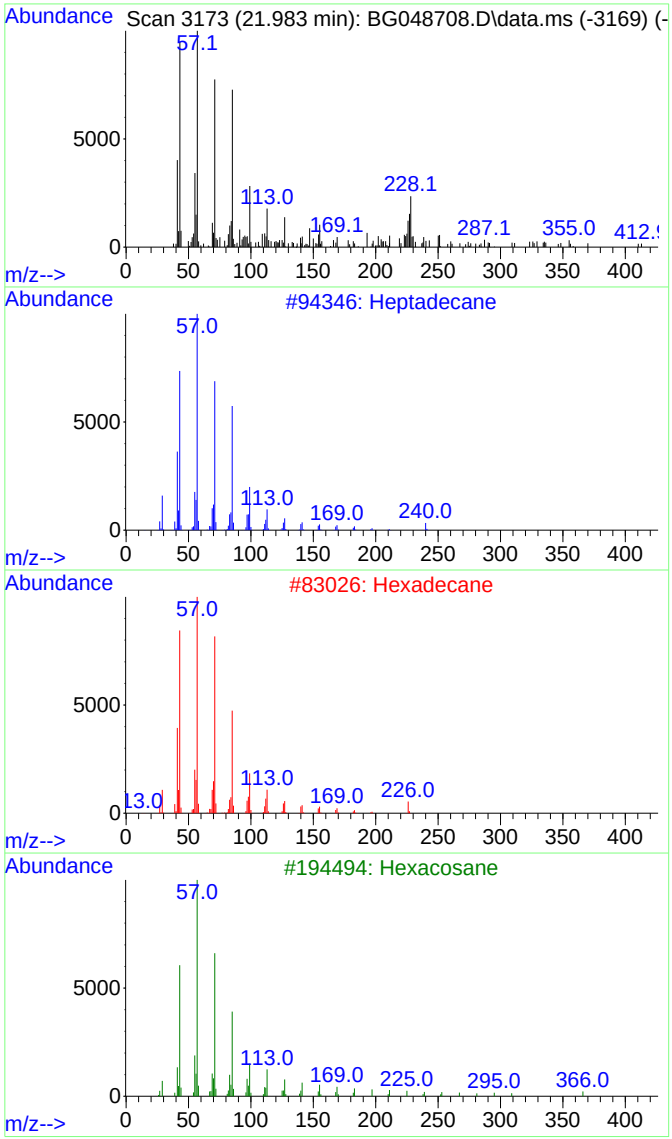
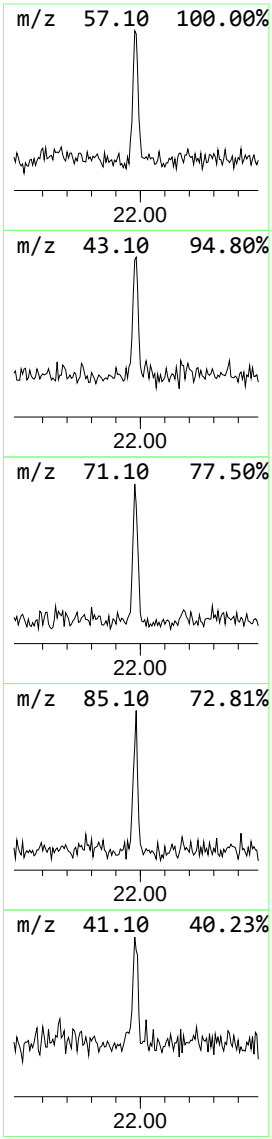
Peak Number 18 Heptadecane Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.983	2.71 ng	129598	Chrysene-d12	21.794

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptadecane	240	C17H36	000629-78-7	86
2	Hexadecane	226	C16H34	000544-76-3	76
3	Hexacosane	366	C26H54	000630-01-3	58
4	Octadecane	254	C18H38	000593-45-3	58
5	Nonadecane	268	C19H40	000629-92-5	53





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Data File : BG048708.D
Acq On : 15 Apr 2021 14:20
Operator : CG/JU
Sample : M2019-01
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : 149TH-ST-E1-101

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG041421.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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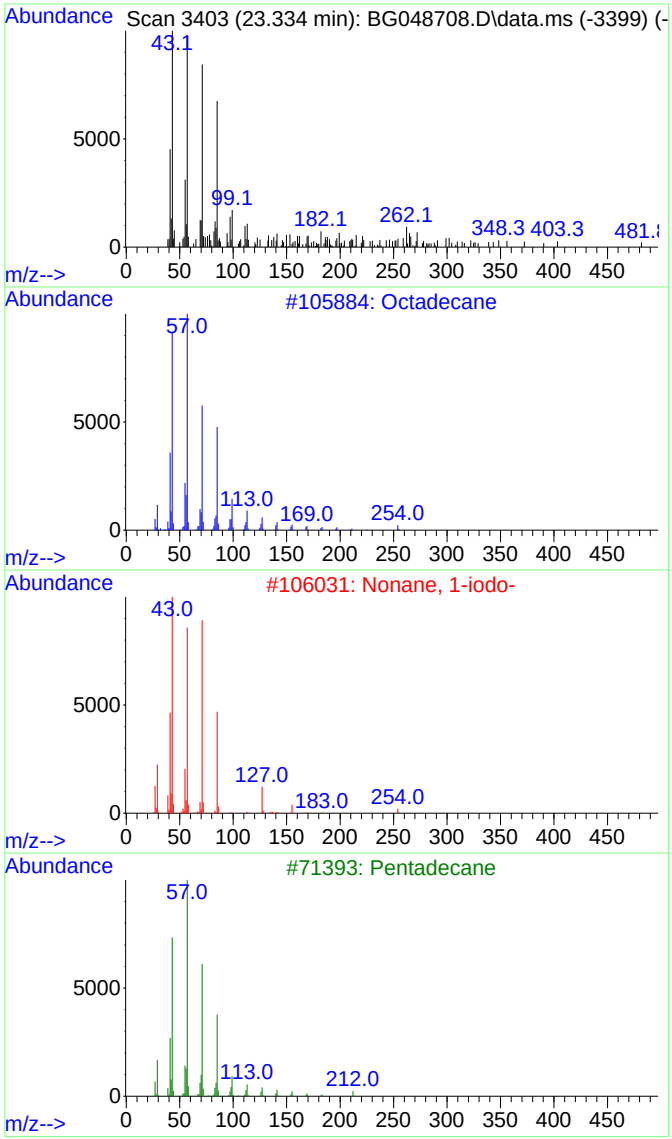
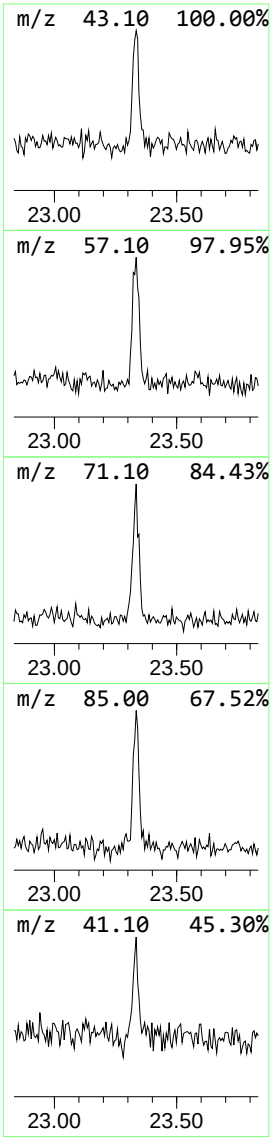
Peak Number 19 Octadecane Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
23.334	2.74 ng	130863	Chrysene-d12	21.794

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octadecane	254	C18H38	000593-45-3	89
2	Nonane, 1-iodo-	254	C9H19I	004282-42-2	76
3	Pentadecane	212	C15H32	000629-62-9	76
4	Heneicosane	296	C21H44	000629-94-7	68
5	Heptadecane, 4-methyl-	254	C18H38	026429-11-8	64





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG041521\
Data File : BG048708.D
Acq On : 15 Apr 2021 14:20
Operator : CG/JU
Sample : M2019-01
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
149TH-ST-E1-101

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG041421.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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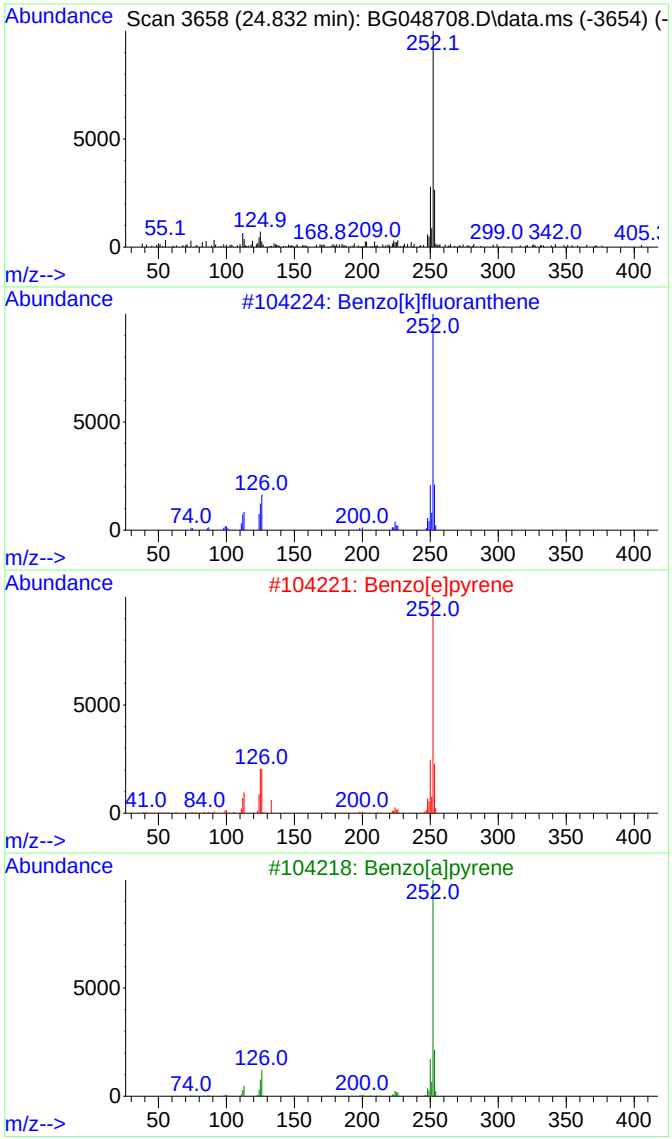
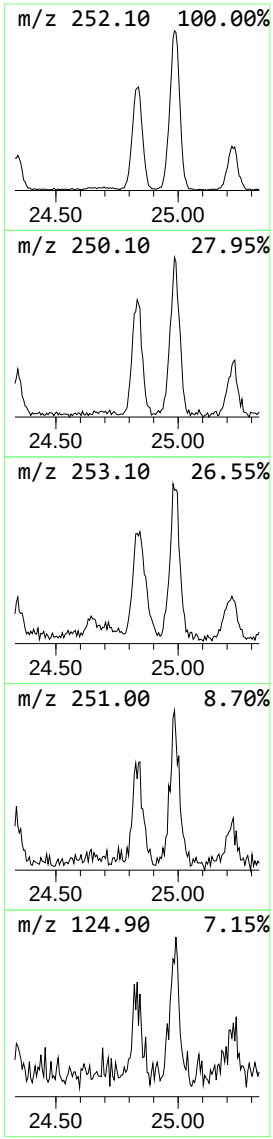
Peak Number 20 Benzo[e]pyrene Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
24.832	10.43 ng	242733	Perylene-d12	25.144

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[k]fluoranthene	252	C20H12	000207-08-9	76
2	Benzo[e]pyrene	252	C20H12	000192-97-2	76
3	Benzo[a]pyrene	252	C20H12	000050-32-8	74
4	Perylene	252	C20H12	000198-55-0	72
5	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	72





Tentatively Identified Compound (LSC) summary

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG041521\
Data File : BG048708.D
Acq On : 15 Apr 2021 14:20
Operator : CG/JU
Sample : M2019-01
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : 149TH-ST-E1-101

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG041421.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
Hexadecane	15.567	3.4	ng	61406	3	14.738	363037	20.0
Pentadecane	17.229	4.4	ng	86533	4	17.494	396512	20.0
Phenanthrene, 1...	18.375	10.9	ng	215305	4	17.494	396512	20.0
Phenanthrene, 2...	18.422	6.3	ng	124481	4	17.494	396512	20.0
Phenanthrene, 3...	18.498	2.7	ng	53885	4	17.494	396512	20.0
unknown18.569	18.569	9.1	ng	181265	4	17.494	396512	20.0
Decane, 3,6-dim...	18.663	6.6	ng	130872	4	17.494	396512	20.0
[1,1'-Biphenyl]...	18.869	3.0	ng	60109	4	17.494	396512	20.0
9,10-Anthracene...	18.910	2.6	ng	52628	4	17.494	396512	20.0
4b,8-Dimethyl-2...	19.104	5.5	ng	108864	4	17.494	396512	20.0
[14]Annulene, 1...	19.286	5.9	ng	117383	4	17.494	396512	20.0
Cyclopenta(def)...	19.427	3.5	ng	69576	4	17.494	396512	20.0
Pyrene, 1-methyl-	20.249	3.8	ng	181417	5	21.794	955709	20.0
Fluoranthene, 2...	20.396	3.0	ng	142136	5	21.794	955709	20.0
Acridin-9-amine...	20.643	8.1	ng	385532	5	21.794	955709	20.0
unknown21.413	21.413	2.6	ng	124901	5	21.794	955709	20.0
Heptadecane	21.983	2.7	ng	129598	5	21.794	955709	20.0
Octadecane	23.334	2.7	ng	130863	5	21.794	955709	20.0
Benzo[e]pyrene	24.832	10.4	ng	242733	6	25.144	465492	20.0