LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG041521\
Data File : BG048712.D
Acq On : 15 Apr 2021 17:04
Operator : CG/JU
Sample : M2008-02
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : NANUET-ST-041221

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: BG048712.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	5.638	384	391	402	rBV	491971	772612	47.76%	3.301%
2	7.248	657	665	675	rBV	499331	866328	53.55%	3.702%
3	8.088	799	808	814	rBV2	155913	263636	16.30%	1.126%
4	9.257	999	1007	1014	rBV	327142	587465	36.31%	2.510%
5	10.914	1277	1289	1295	rBV	194790	354839	21.93%	1.516%
6	10.961	1295	1297	1303	rVB3	12947	17184	1.06%	0.073%
7	12.783	1603	1607	1614	rVB2	15870	25050	1.55%	0.107%
8	13.358	1698	1705	1713	rVB	718363	1087597	67.23%	4.647%
9	14.057	1817	1824	1830	rBV3	24940	48671	3.01%	0.208%
10	14.110	1830	1833	1838	rVV4	12276	19934	1.23%	0.085%
11	14.181	1838	1845	1854	rVV5	27695	61406	3.80%	0.262%
12	14.298	1860	1865	1868	rBV2	15032	19336	1.20%	0.083%
13	14.469	1886	1894	1900	rBV	51617	103343	6.39%	0.442%
14	14.739	1929	1940	1947	rBV	281349	456161	28.20%	1.949%
15	14.804	1947	1951	1959	rVB5	21862	41245	2.55%	0.176%
16	15.133	2001	2007	2013	rVB6	27345	49342	3.05%	0.211%
17	15.209	2016	2020	2027	rVB3	21333	35760	2.21%	0.153%
18	15.350	2037	2044	2049	rBV4	23346	47024	2.91%	0.201%
19	15.409	2049	2054	2058	rVB4	15173	23882	1.48%	0.102%
20	15.515	2066	2072	2073	rBV4	16846	26816	1.66%	0.115%
21	15.567	2078	2081	2085	rVB4	12986	19316	1.19%	0.083%
22	15.791	2113	2119	2127	rVB3	38558	73861	4.57%	0.316%
23	16.079	2163	2168	2175	rVB5	17328	36129	2.23%	0.154%
24	16.231	2186	2194	2203	rBV	604159	939882	58.10%	4.016%
25	16.466	2225	2234	2243	rBV8	42321	99984	6.18%	0.427%
26	16.596	2252	2256	2261	rBV6	11725	21775	1.35%	0.093%
27	16.790	2282	2289	2294	rBV7	28985	64702	4.00%	0.276%
28	16.842	2294	2298	2303	rVB4	24236	38699	2.39%	0.165%
29	16.942	2312	2315	2321	rVB7	19593	28396	1.76%	0.121%
30	17.025	2323	2329	2332	rBV8	22804	42126	2.60%	0.180%
31	17.148	2345	2350	2356	rBV2	40472	71416	4.41%	0.305%
32	17.230	2359	2364	2368	rVV7	28262	48651	3.01%	0.208%
33	17.289	2369	2374	2375	rVV4	14450	21777	1.35%	0.093%
34	17.318	2375	2379	2384	rVB	55153	81156	5.02%	0.347%
35	17.501	2403	2410	2413	rBV	301412	479967	29.67%	2.051%
36	17.542	2413	2417	2424	rVB	639284	937108	57.92%	4.004%

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG041521\
Data File : BG048712.D
Acq On : 15 Apr 2021 17:04
Operator : CG/JU
Sample : M2008-02
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : NANUET-ST-041221

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	17.636	2428	2433	2436	rBV	58595	77432	4.79%	0.331%
38	17.677	2436	2440	2441	rBV3	22724	22032	1.36%	0.094%
39	17.771	2452	2456	2460	rBV7	16897	34280	2.12%	0.146%
40	17.806	2460	2462	2467	rVB6	17483	21625	1.34%	0.092%
41	17.906	2474	2479	2483	rBV	39314	70025	4.33%	0.299%
42	17.976	2488	2491	2494	rVV5	22550	30298	1.87%	0.129%
43	18.012	2494	2497	2502	rVV2	31740	48777	3.02%	0.208%
44	18.082	2504	2509	2514	rVB	77720	122389	7.57%	0.523%
45	18.229	2529	2534	2539	rVB	42288	80697	4.99%	0.345%
46	18.300	2542	2546	2550	rBV3	24725	43054	2.66%	0.184%
47	18.376	2554	2559	2563	rVV	234417	347980	21.51%	1.487%
48	18.423	2563	2567	2572	rVB	214811	329992	20.40%	1.410%
49	18.505	2576	2581	2586	rBV3	30938	64000	3.96%	0.273%
50	18.570	2586	2592	2596	rVV4	214273	416638	25.75%	1.780%
51	18.605	2596	2598	2605	rVB	144009	194645	12.03%	0.832%
52	18.676	2605	2610	2615	rBV8	26008	54045	3.34%	0.231%
53	18.717	2615	2617	2622	rBV6	16062	24059	1.49%	0.103%
54	18.770	2622	2626	2631	rVB3	39585	62109	3.84%	0.265%
55	18.828	2631	2636	2638	rBV6	14326	27573	1.70%	0.118%
56	18.869	2638	2643	2647	rBV	119507	176638	10.92%	0.755%
57	18.916	2647	2651	2660	rVB3	155030	262322	16.21%	1.121%
58	19.093	2677	2681	2682	rBV3	33545	43663	2.70%	0.187%
59	19.116	2682	2685	2690	rVV2	59687	97681	6.04%	0.417%
60	19.169	2690	2694	2697	rVV	81575	113355	7.01%	0.484%
61	19.204	2697	2700	2704	rVB2	57096	70638	4.37%	0.302%
62	19.293	2709	2715	2719	rBV	192377	316082	19.54%	1.351%
63	19.340	2719	2723	2728	rVV3	57718	114417	7.07%	0.489%
64	19.381	2728	2730	2734	rVB2	57668	61870	3.82%	0.264%
65	19.434	2734	2739	2745	rBV4	107510	218167	13.49%	0.932%
66	19.557	2755	2760	2765	rVB	1087183	1529111	94.52%	6.533%
67	19.610	2765	2769	2773	rBV4	49571	73885	4.57%	0.316%
68	19.651	2773	2776	2779	rVB3	58961	70573	4.36%	0.302%
69	19.704	2782	2785	2788	rBV3	38766	46320	2.86%	0.198%
70	19.751	2790	2793	2797	rVB3	37268	47563	2.94%	0.203%
71	19.798	2797	2801	2805	rBV3	67618	102403	6.33%	0.438%
72	19.886	2811	2816	2817	rBV	126349	175206	10.83%	0.749%
73	19.921	2817	2822	2828	rVB	1107721	1617807	100.00%	6.912%
74	19.986	2828	2833	2841	rBV3	94347	174950	10.81%	0.748%
75	20.109	2849	2854	2858	rVB	805967	991043	61.26%	4.234%
76	20.150	2858	2861	2866	rVB4	57631	84783	5.24%	0.362%

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Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : NANUET-ST-041221

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

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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	20.238	2870	2876	2877	rBV4	104939	173610	10.73%	0.742%
78	20.379	2895	2900	2901	rBV4	70555	110989	6.86%	0.474%
79	20.409	2901	2905	2910	rVB	193152	293250	18.13%	1.253%
80	20.509	2918	2922	2926	rVB	92259	113810	7.03%	0.486%
81	20.567	2928	2932	2936	rVB2	144844	195122	12.06%	0.834%
82	20.709	2952	2956	2960	rBV	118133	163044	10.08%	0.697%
83	20.750	2960	2963	2968	rVV	93447	124040	7.67%	0.530%
84	21.179	3032	3036	3043	rVB2	108390	197113	12.18%	0.842%
85	21.372	3064	3069	3072	rVV	97845	143590	8.88%	0.614%
86	21.414	3073	3076	3081	rVV	137583	179338	11.09%	0.766%
87	21.466	3081	3085	3089	rVV3	67685	107605	6.65%	0.460%
88	21.525	3091	3095	3102	rVB2	99182	170605	10.55%	0.729%
89	21.654	3115	3117	3120	rVB	32244	26227	1.62%	0.112%
90	21.790	3134	3140	3147	rBV3	478872	1293173	79.93%	5.525%
91	21.854	3147	3151	3162	rVB	470696	812547	50.23%	3.472%
92	22.007	3175	3177	3182	rVB	53163	64897	4.01%	0.277%
93	22.077	3186	3189	3193	rBV4	42562	66285	4.10%	0.283%
94	22.230	3209	3215	3221	rBV4	48819	122930	7.60%	0.525%
95	22.630	3280	3283	3290	rVB4	76332	156046	9.65%	0.667%
96	22.841	3316	3319	3324	rVB2	44250	61566	3.81%	0.263%
97	24.093	3524	3532	3539	rBV2	248439	814191	50.33%	3.479%
98	24.845	3653	3660	3674	rVB2	174515	530370	32.78%	2.266%
99	24.998	3679	3686	3700	rVB	233412	675867	41.78%	2.888%
100	25.162	3705	3714	3722	rBV3	150702	435676	26.93%	1.861%

Sum of corrected areas: 23404594

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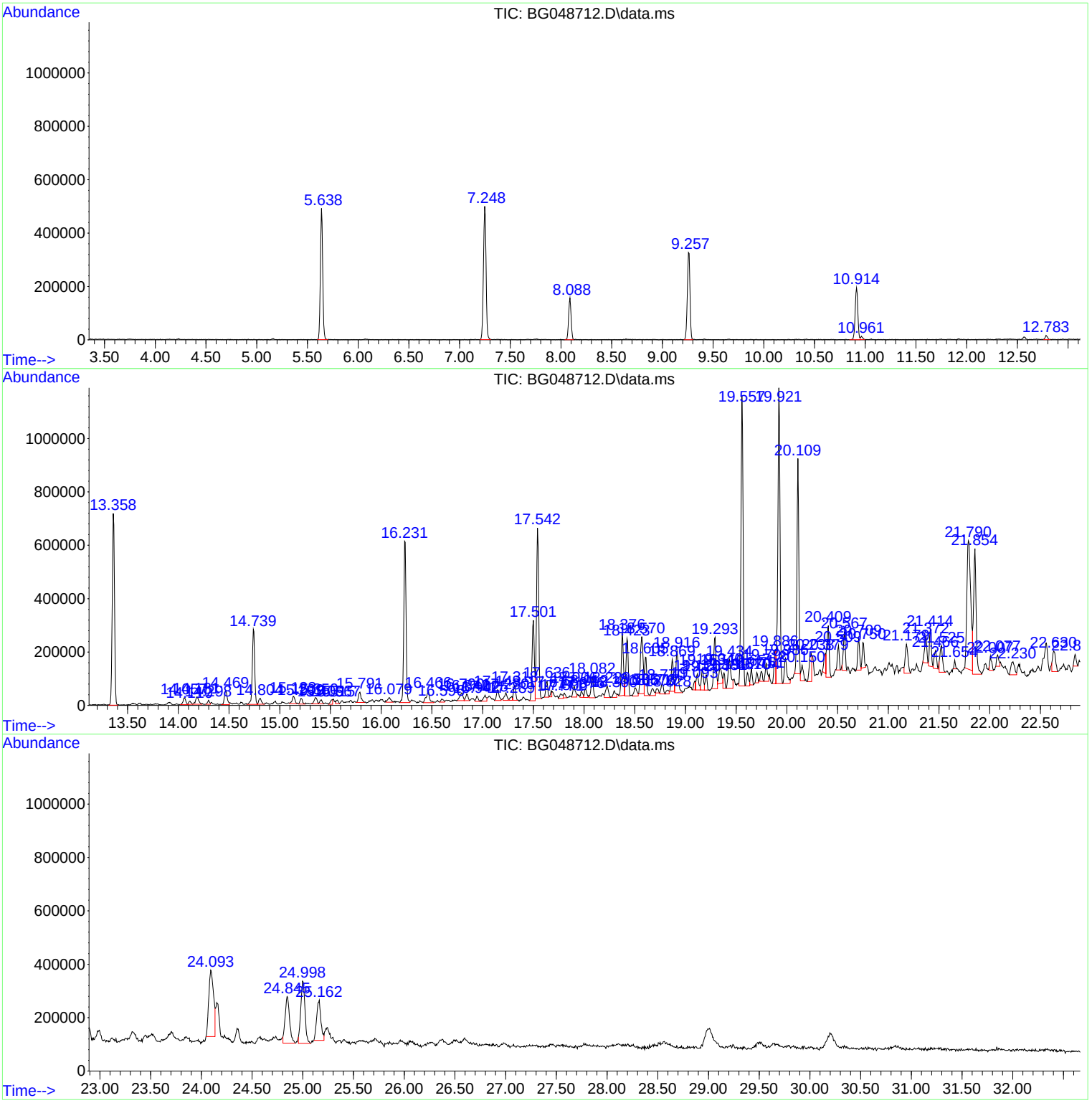
Instrument :
BNA_G
ClientSampleId :
NANUET-ST-041221

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 : BG048712.D
Acq On : 15 Apr 2021 17:04
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Sample : M2008-02
Misc :
ALS Vial : 13 Sample Multiplier: 1

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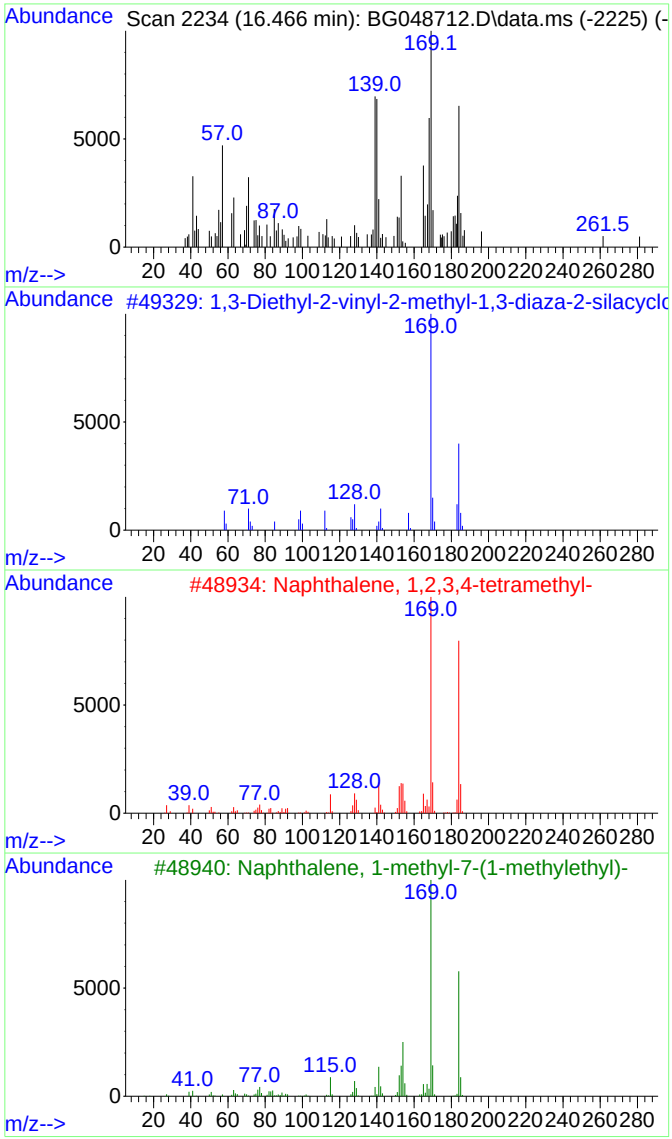
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG041421.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

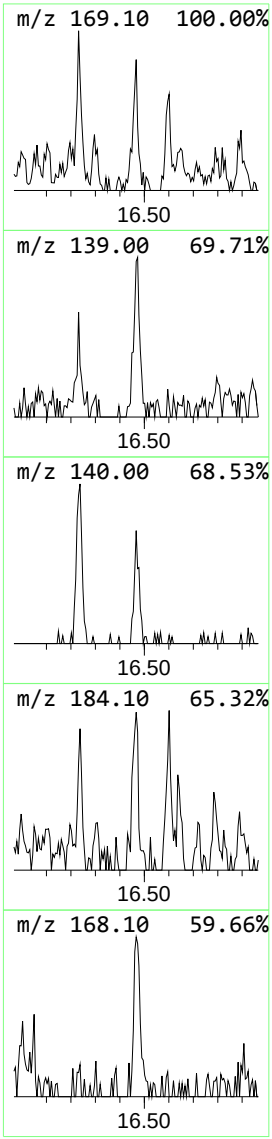
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 1 unknown16.466 Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.466	4.17 ng	99984	Phenanthrene-d10	17.500

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,3-Diethyl-2-vinyl-2-methyl-1,3...	184	C9H20N2Si	051169-45-0	42
2	Naphthalene, 1,2,3,4-tetramethyl-	184	C14H16	003031-15-0	42
3	Naphthalene, 1-methyl-7-(1-methy...	184	C14H16	000490-65-3	38
4	2,3-Dihydro-1H-1-methylcyclopent...	184	C12H12N2	026629-21-0	38
5	Benzene, (4,5,5-trimethyl-1,3-cy...	184	C14H16	033930-85-7	35





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG041521\
Data File : BG048712.D
Acq On : 15 Apr 2021 17:04
Operator : CG/JU
Sample : M2008-02
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
NANUET-ST-041221

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

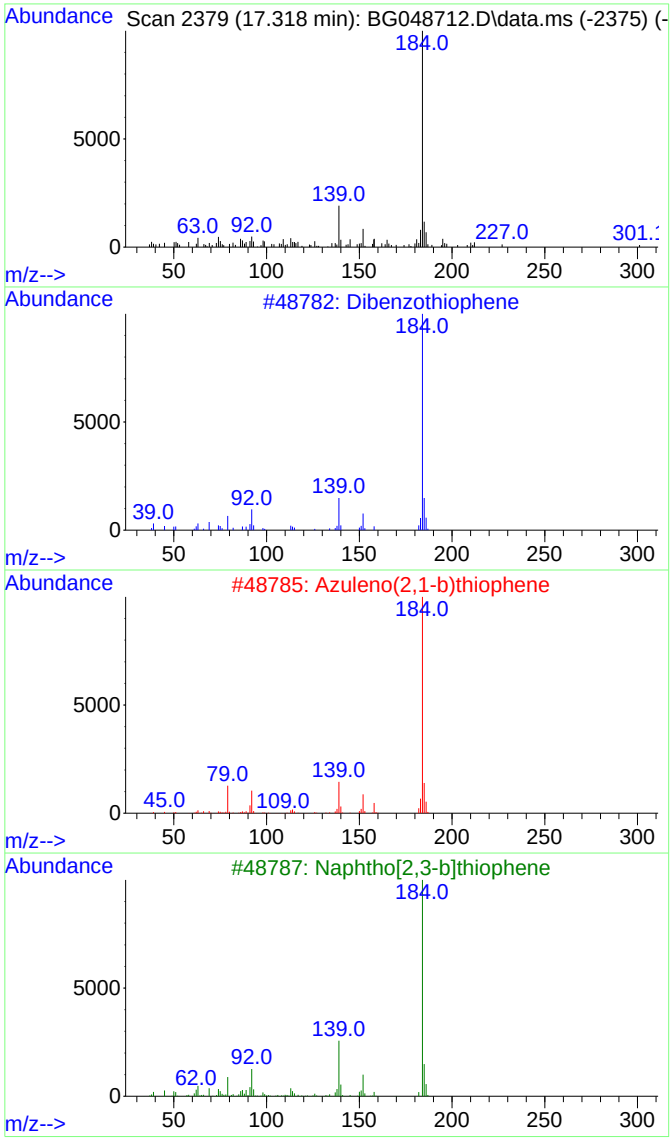
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

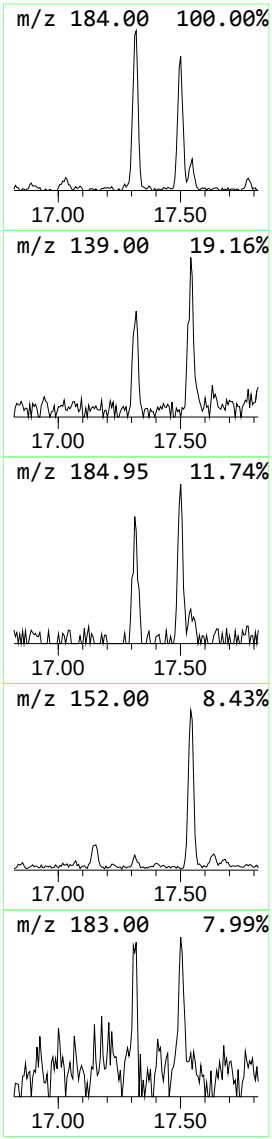
****

Peak Number 2 Dibenzothiophene Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.318	3.38 ng	81156	Phenanthrene-d10	17.500

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzothiophene	184	C12H8S	000132-65-0	87
2	Azuleno(2,1-b)thiophene	184	C12H8S	000248-13-5	81
3	Naphtho[2,3-b]thiophene	184	C12H8S	000268-77-9	81
4	Naphtho[1,2-b]thiophene	184	C12H8S	000234-41-3	81
5	Naphtho[2,1-b]thiophene	184	C12H8S	000233-02-3	74





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG041521\
Data File : BG048712.D
Acq On : 15 Apr 2021 17:04
Operator : CG/JU
Sample : M2008-02
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
NANUET-ST-041221

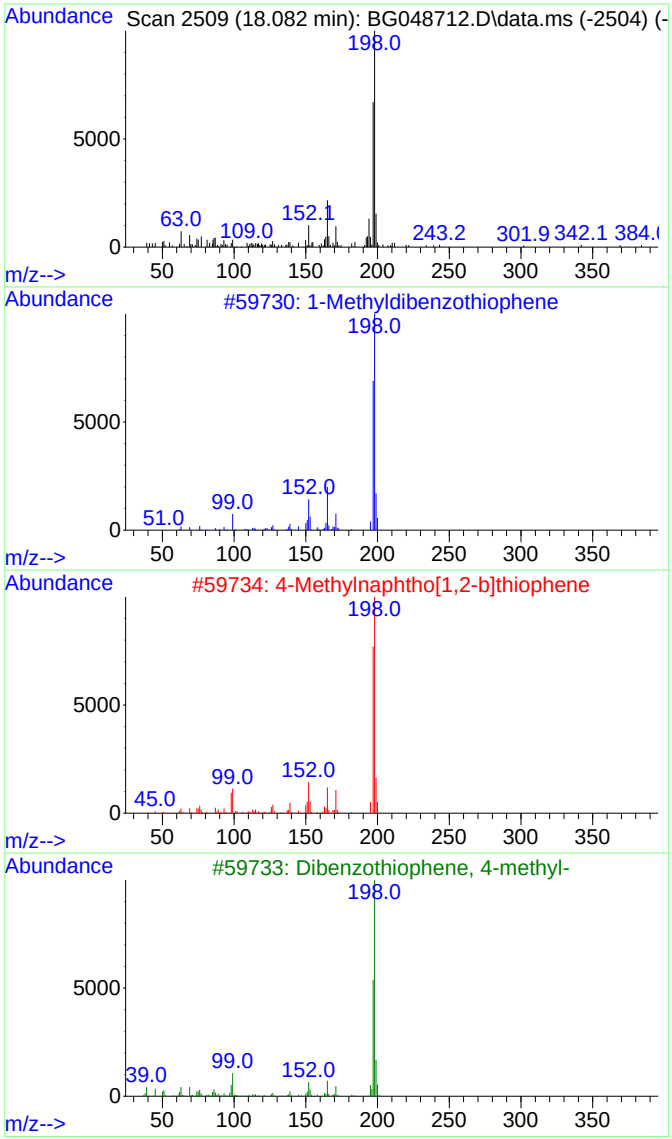
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG041421.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

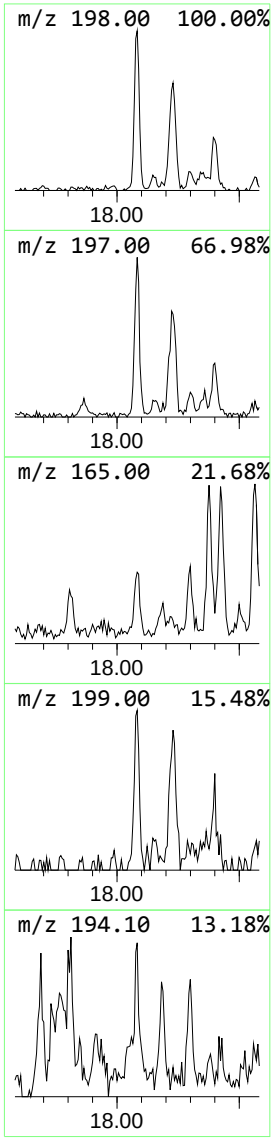
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 3 1-Methyldibenzothiophene Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.082	5.10 ng	122389	Phenanthrene-d10	17.500

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Methyldibenzothiophene	198	C13H10S	031317-07-4	83
2	4-Methylnaphtho[1,2-b]thiophene	198	C13H10S	067388-11-8	81
3	Dibenzothiophene, 4-methyl-	198	C13H10S	007372-88-5	59
4	Benzene, 1,1'-(1-fluoro-1,2-ethe...	198	C14H11F	000671-19-2	53
5	Benzenamine, 4,4'-methylenebis-	198	C13H14N2	000101-77-9	50





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG041521\
Data File : BG048712.D
Acq On : 15 Apr 2021 17:04
Operator : CG/JU
Sample : M2008-02
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
NANUET-ST-041221

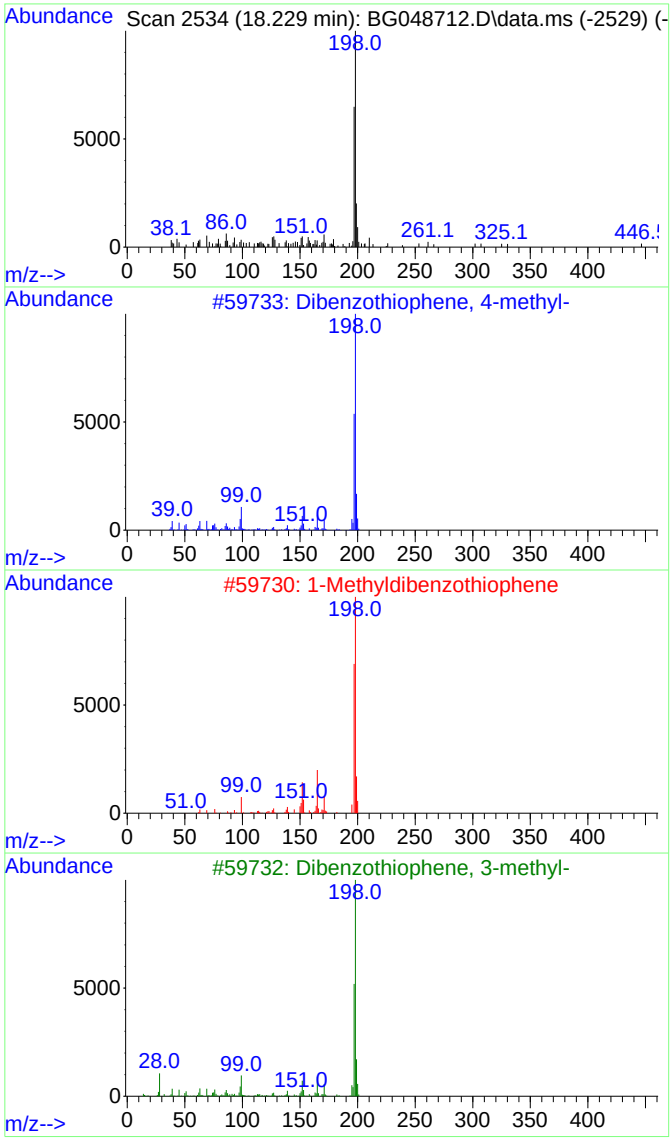
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG041421.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

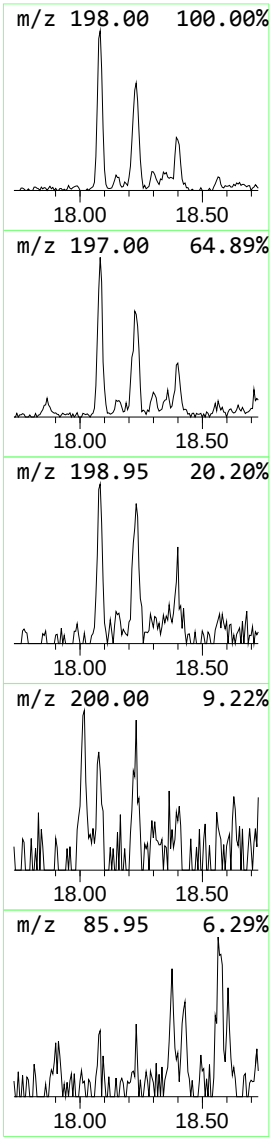
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 4 Dibenzothiophene, 4-methyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.229	3.36 ng	80697	Phenanthrene-d10	17.500

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzothiophene, 4-methyl-	198	C13H10S	007372-88-5	87
2	1-Methyldibenzothiophene	198	C13H10S	031317-07-4	86
3	Dibenzothiophene, 3-methyl-	198	C13H10S	016587-52-3	86
4	4-Methylnaphtho[1,2-b]thiophene	198	C13H10S	067388-11-8	86
5	Tacrine	198	C13H14N2	000321-64-2	72





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG041521\
Data File : BG048712.D
Acq On : 15 Apr 2021 17:04
Operator : CG/JU
Sample : M2008-02
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : NANUET-ST-041221

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

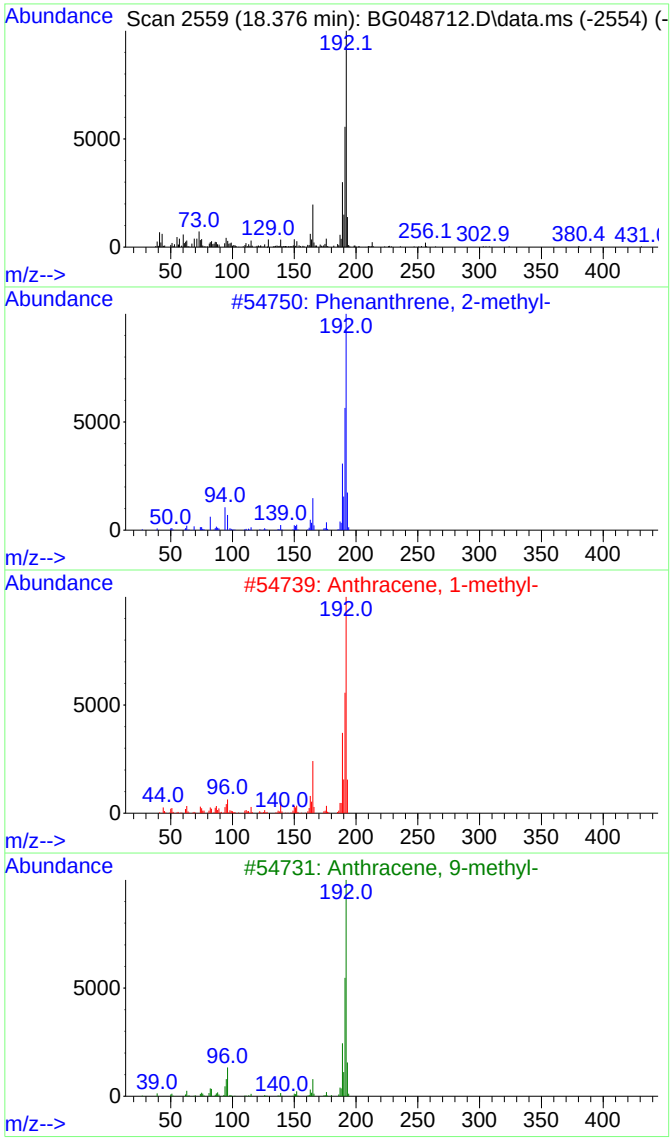
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

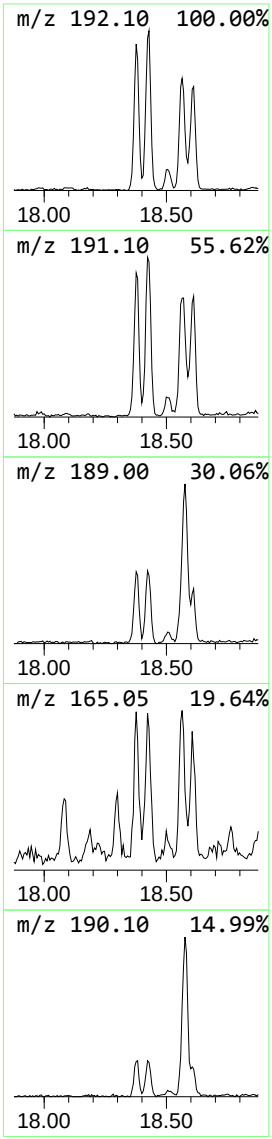
****

Peak Number 5 Phenanthrene, 2-methyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.376	14.50 ng	347980	Phenanthrene-d10	17.500

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	95
2	Anthracene, 1-methyl-	192	C15H12	000610-48-0	93
3	Anthracene, 9-methyl-	192	C15H12	000779-02-2	91
4	Phenanthrene, 3-methyl-	192	C15H12	000832-71-3	91
5	Naphtho[2,3-b]norbornadiene	192	C15H12	107426-38-0	91





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Acq On : 15 Apr 2021 17:04
Operator : CG/JU
Sample : M2008-02
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
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ClientSampleId :
NANUET-ST-041221

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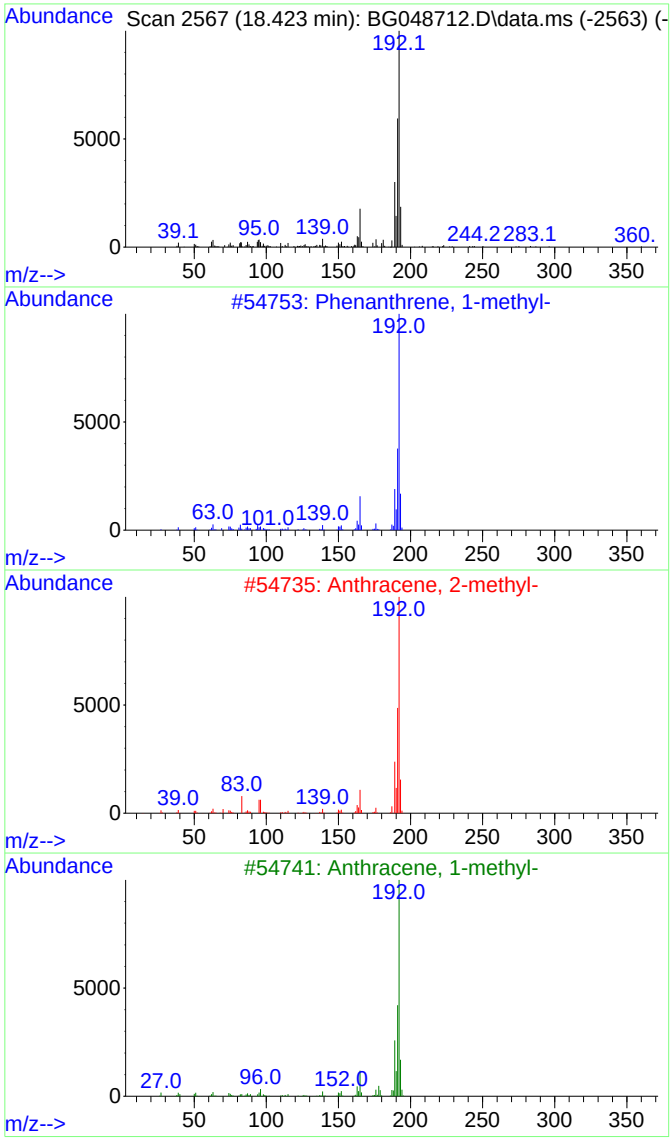
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

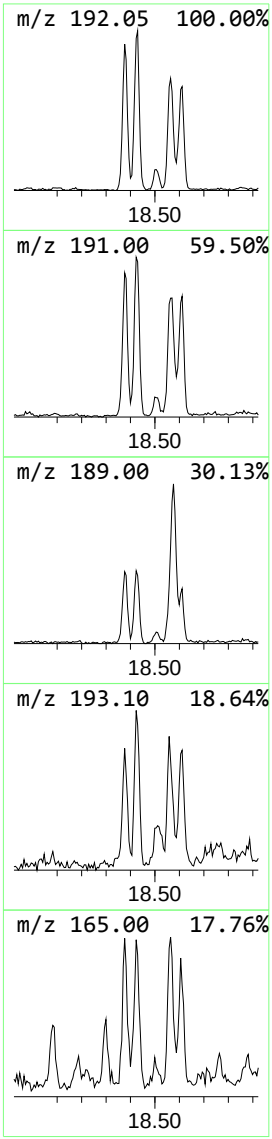
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 6 Phenanthrene, 1-methyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.423	13.75 ng	329992	Phenanthrene-d10	17.500

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	95
2	Anthracene, 2-methyl-	192	C15H12	000613-12-7	91
3	Anthracene, 1-methyl-	192	C15H12	000610-48-0	91
4	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	91
5	Anthracene, 9-methyl-	192	C15H12	000779-02-2	87





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Operator : CG/JU
Sample : M2008-02
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
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ClientSampleId :
NANUET-ST-041221

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

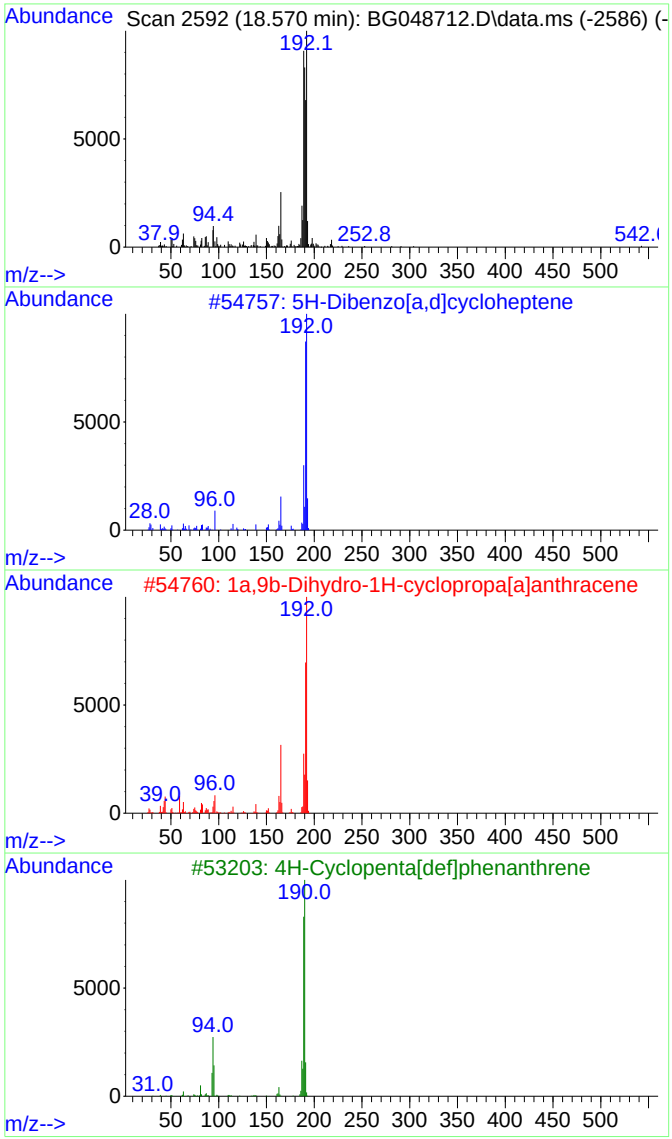
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

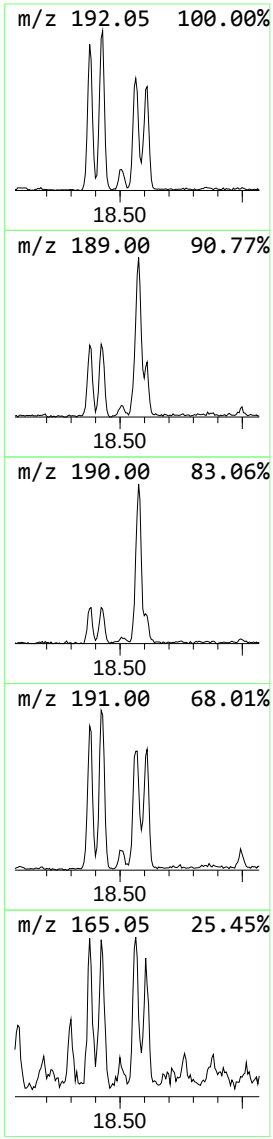
****

Peak Number 7 unknown18.570 Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.570	17.36 ng	416638	Phenanthrene-d10	17.500

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	5H-Dibenzo[a,d]cycloheptene	192	C15H12	000256-81-5	46
2	1a,9b-Dihydro-1H-cyclopropa[a]an...	192	C15H12	006109-24-6	46
3	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	46
4	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	42
5	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	41





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ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : NANUET-ST-041221

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

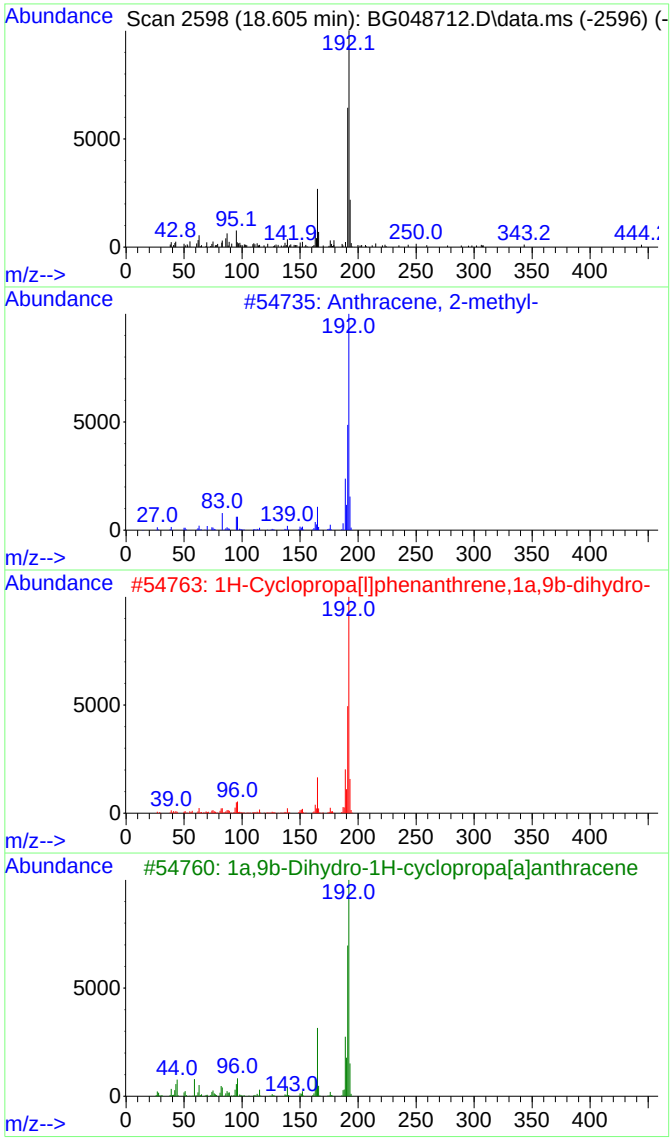
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

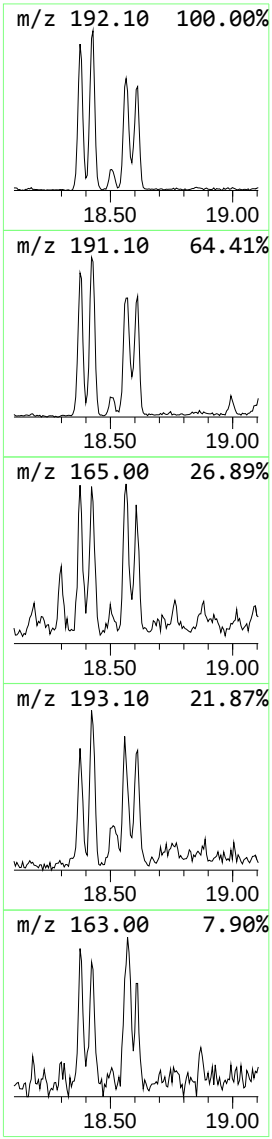
****

Peak Number 8 Anthracene, 2-methyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.605	8.11 ng	194645	Phenanthrene-d10	17.500

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 2-methyl-	192	C15H12	000613-12-7	87
2	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	87
3	1a,9b-Dihydro-1H-cyclopropa[a]an...	192	C15H12	006109-24-6	87
4	Naphtho[2,3-b]norbornadiene	192	C15H12	107426-38-0	87
5	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	86





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Sample : M2008-02
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
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ClientSampleId :
NANUET-ST-041221

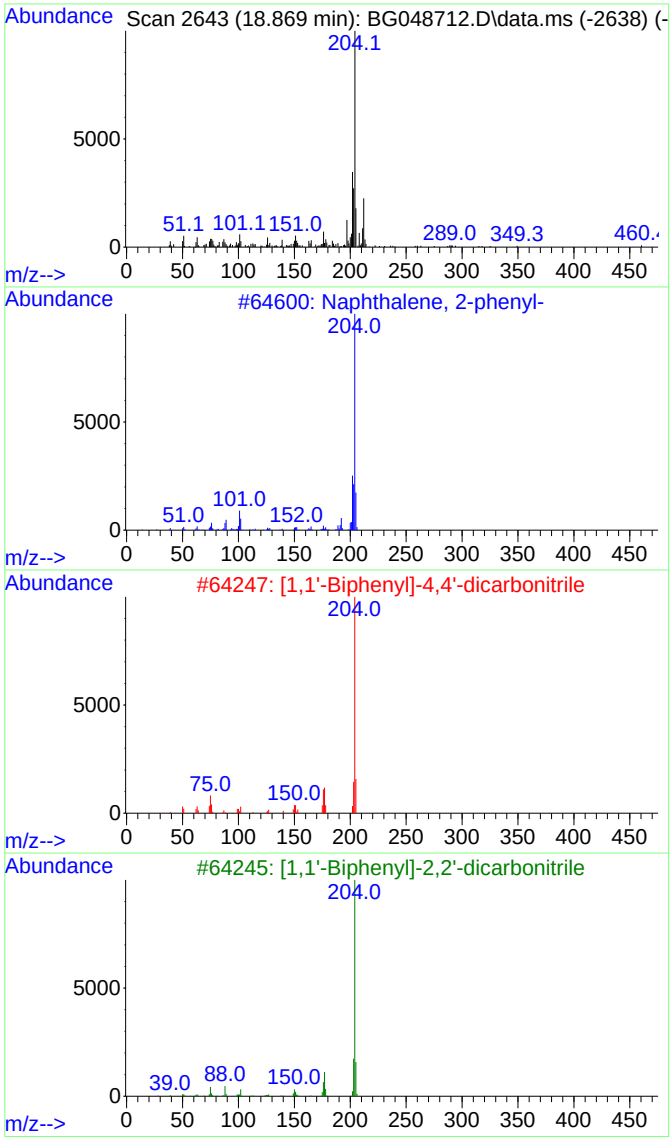
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG041421.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

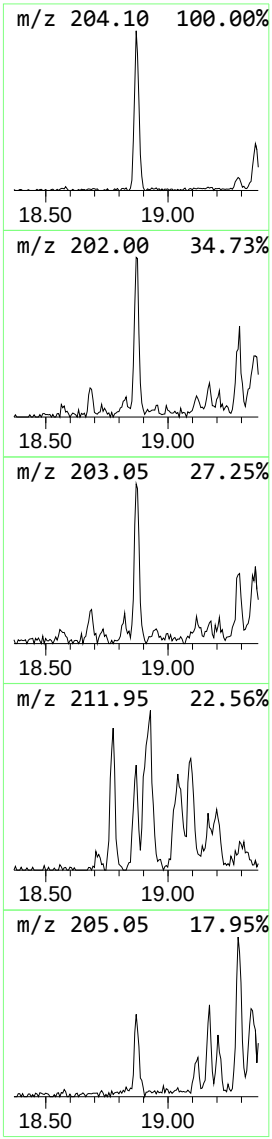
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.869	7.36 ng	176638	Phenanthrene-d10	17.500

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	53
2	[1,1'-Biphenyl]-4,4'-dicarbonitrile	204	C14H8N2	001591-30-6	49
3	[1,1'-Biphenyl]-2,2'-dicarbonitrile	204	C14H8N2	004341-02-0	49
4	6-Cyanophenanthridine	204	C14H8N2	002176-28-5	49
5	[1,1'-Biphenyl]-2-ol, 5-chloro-	204	C12H9ClO	000607-12-5	47





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Instrument : BNA_G
ClientSampleId : NANUET-ST-041221

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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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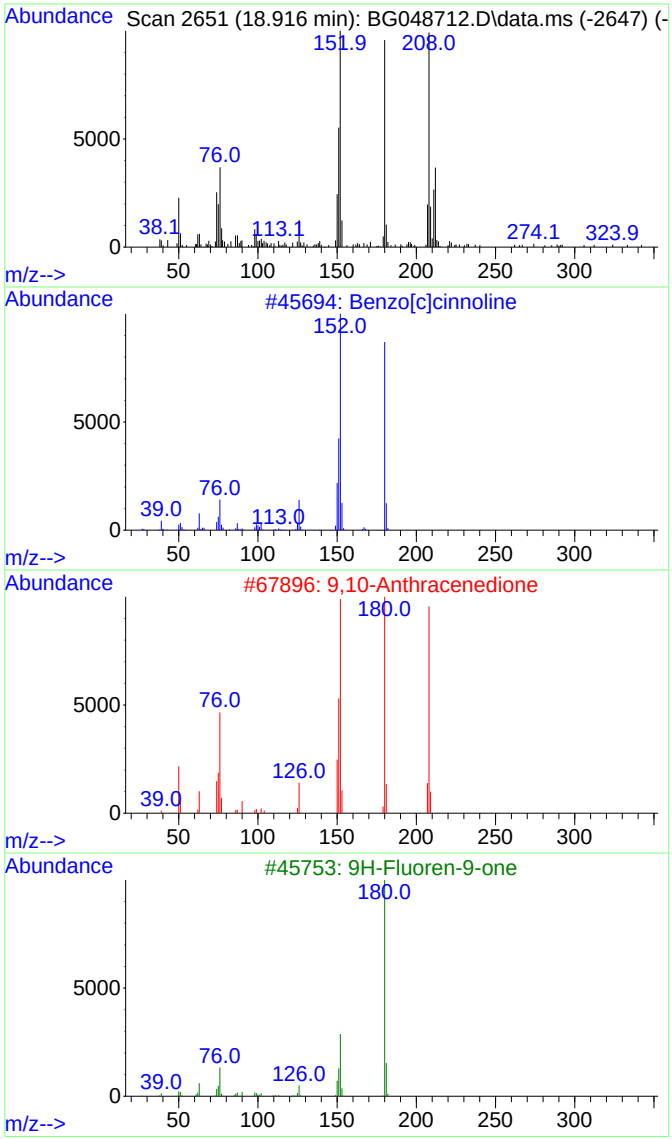
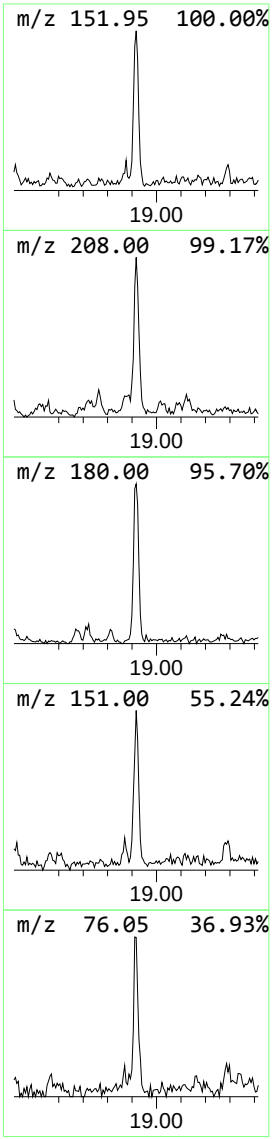
Peak Number 10 Benzo[c]cinnoline Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.916	10.93 ng	262322	Phenanthrene-d10	17.500

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[c]cinnoline	180	C12H8N2	000230-17-1	90
2	9,10-Anthracenedione	208	C14H8O2	000084-65-1	81
3	9H-Fluoren-9-one	180	C13H8O	000486-25-9	78
4	1H-Phenalen-1-one	180	C13H8O	000548-39-0	55
5	1,3-Benzenedicarboxaldehyde, 2,4...	180	C9H8O4	010209-57-1	43





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Sample : M2008-02
Misc :
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Instrument :
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ClientSampleId :
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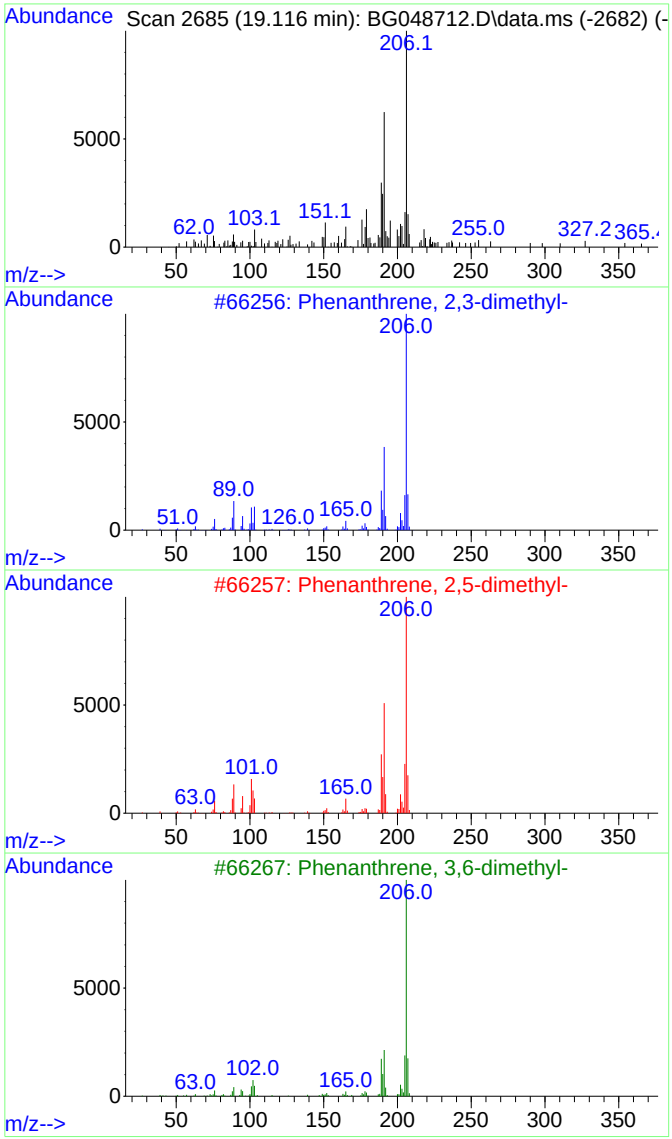
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

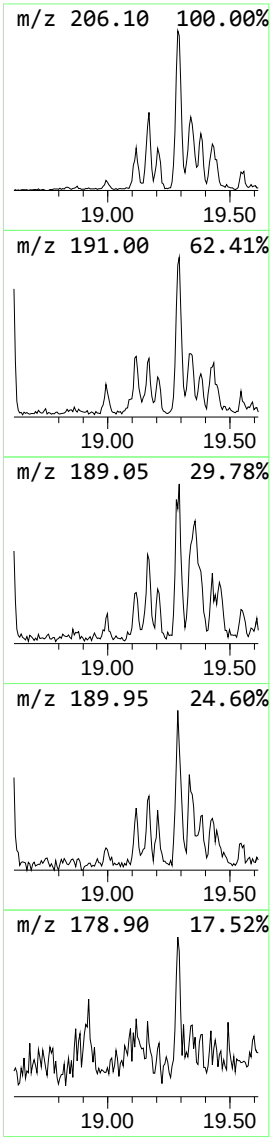
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 11 Phenanthrene, 2,3-dimethyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.116	4.07 ng	97681	Phenanthrene-d10	17.500

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	87
2	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	83
3	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	81
4	Indeno[2,1-a]indene, 4b,5,9b,10-...	206	C16H14	016293-79-1	74
5	3-Methyl-1-phenyl-1H-indene	206	C16H14	022360-63-0	72





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Operator : CG/JU
Sample : M2008-02
Misc :
ALS Vial : 13 Sample Multiplier: 1

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

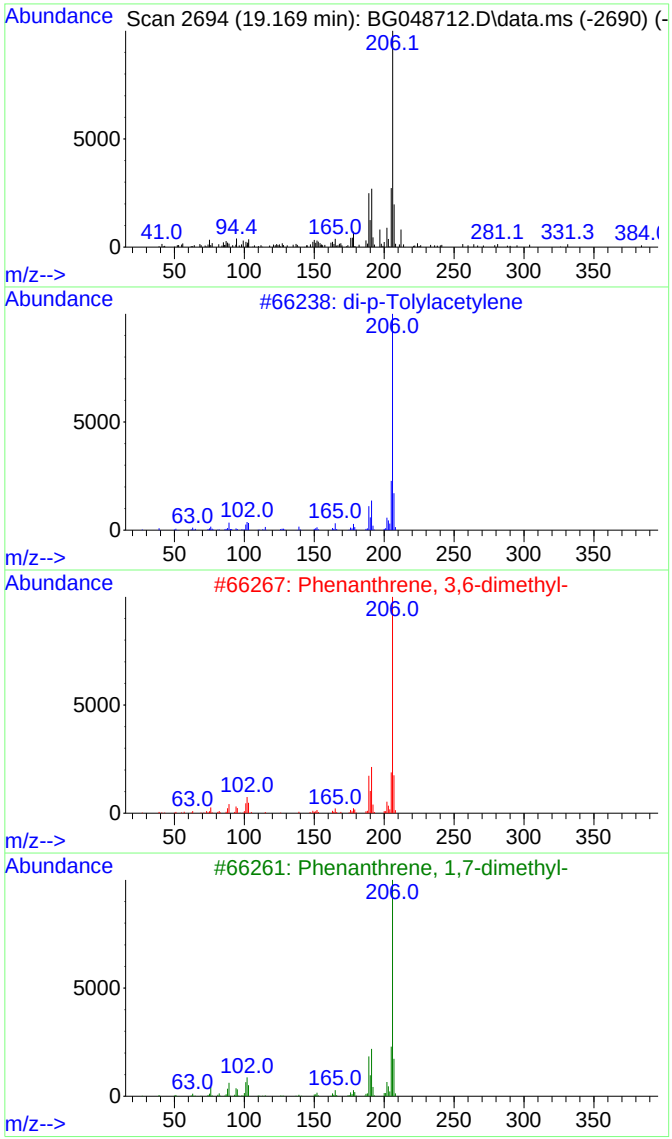
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

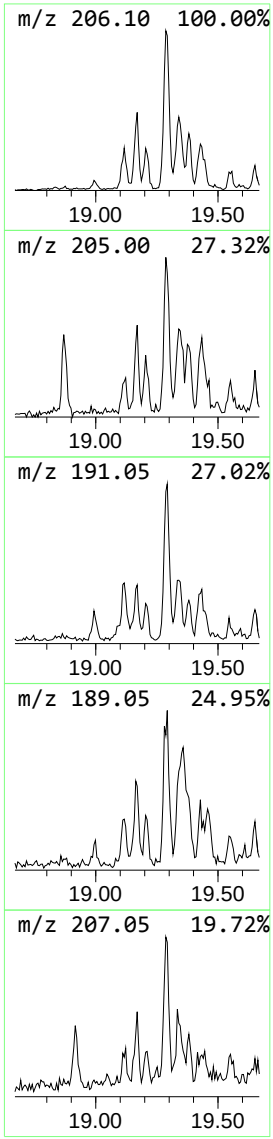
****

Peak Number 12 di-p-Tolylacetylene Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.169	4.72 ng	113355	Phenanthrene-d10	17.500

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	di-p-Tolylacetylene	206	C16H14	002789-88-0	96
2	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	93
3	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	91
4	Phenanthrene, 2,7-dimethyl-	206	C16H14	001576-69-8	91
5	Anthracene, 1,4-dimethyl-	206	C16H14	000781-92-0	81





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Sample : M2008-02
Misc :
ALS Vial : 13 Sample Multiplier: 1

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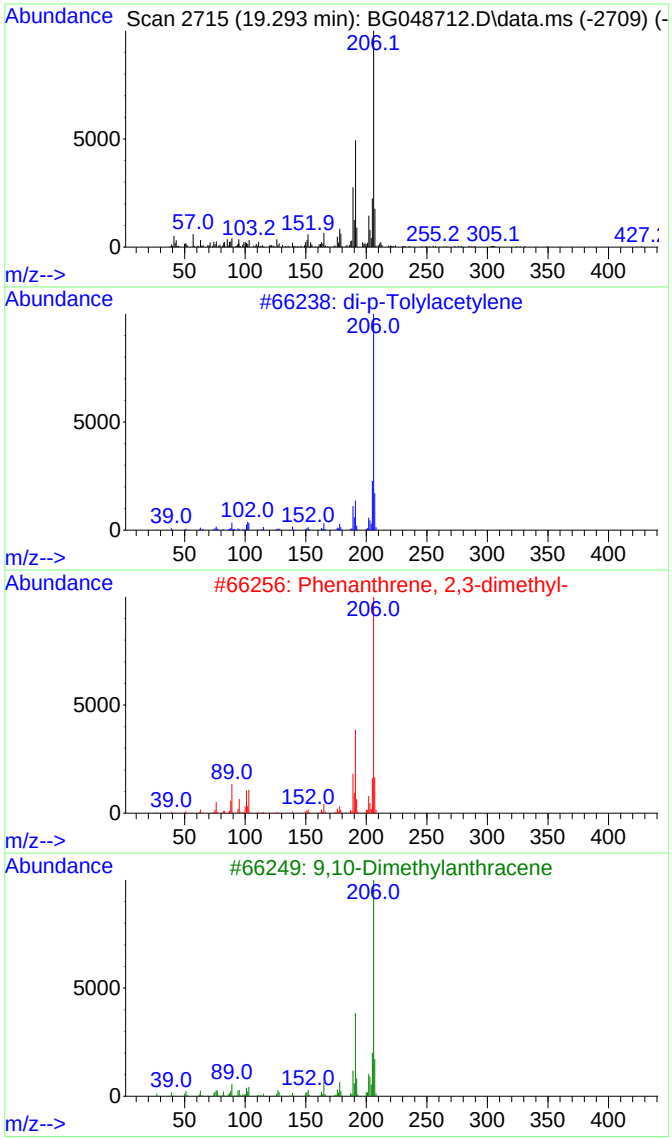
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG041421.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

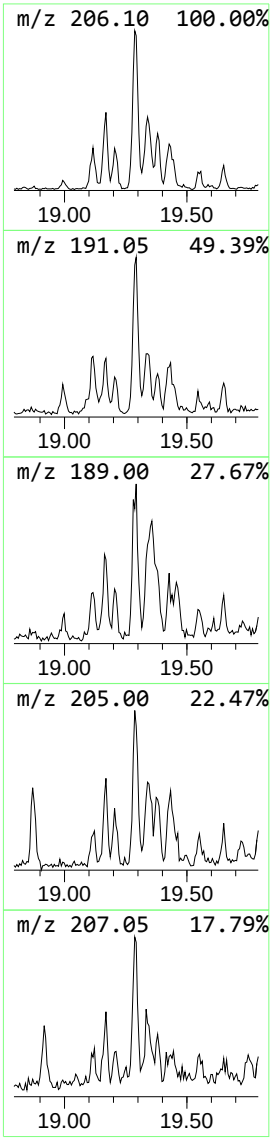
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 13 9,10-Dimethylanthracene Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.293	13.17 ng	316082	Phenanthrene-d10	17.500

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	di-p-Tolylacetylene	206	C16H14	002789-88-0	91
2	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	90
3	9,10-Dimethylanthracene	206	C16H14	000781-43-1	86
4	[14]Annulene, 1,6:8,13-bis(metha...	206	C16H14	085385-68-8	81
5	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	76





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Sample : M2008-02
Misc :
ALS Vial : 13 Sample Multiplier: 1

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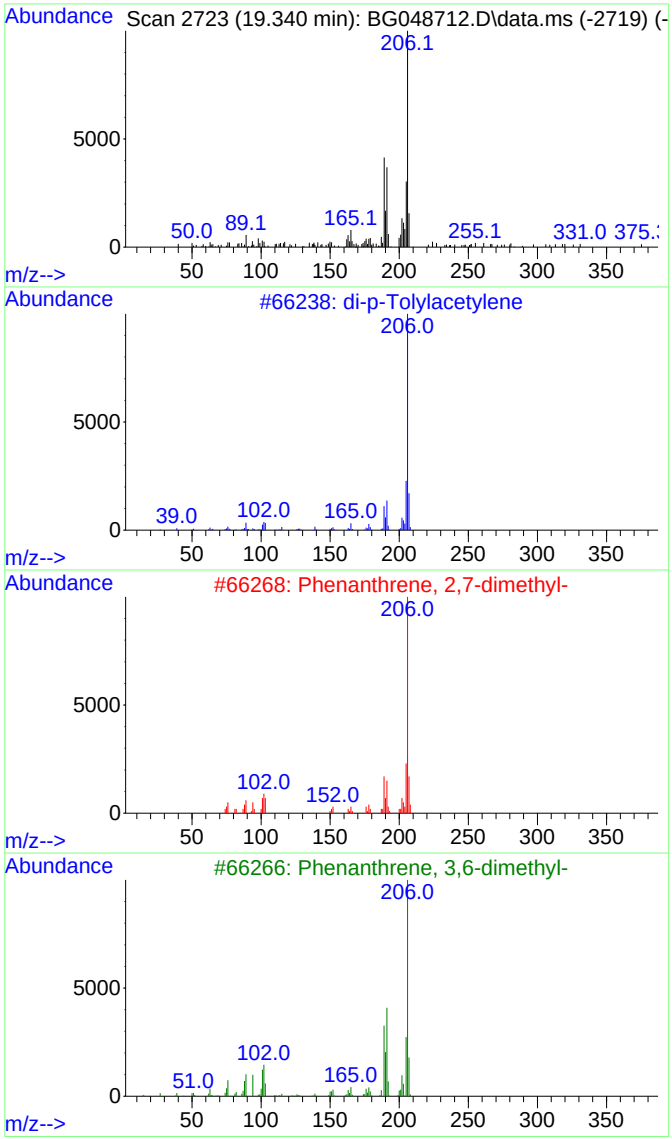
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG041421.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

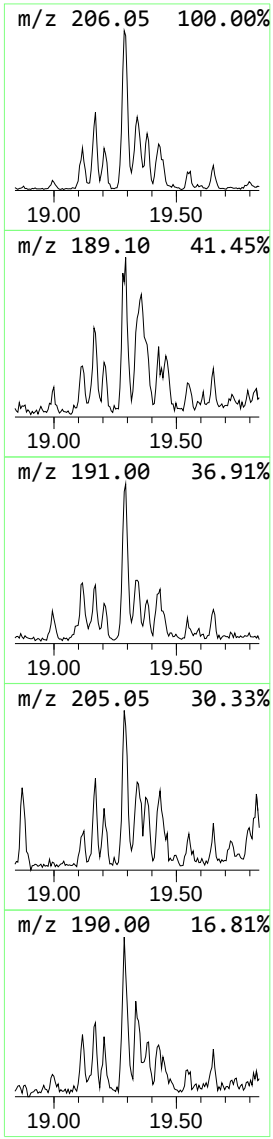
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 14 Phenanthrene, 2,7-dimethyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.340	4.77 ng	114417	Phenanthrene-d10	17.500

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	di-p-Tolylacetylene	206	C16H14	002789-88-0	93
2	Phenanthrene, 2,7-dimethyl-	206	C16H14	001576-69-8	87
3	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	83
4	9,10-Dimethylanthracene	206	C16H14	000781-43-1	70
5	[14]Annulene, 1,6:8,13-bis(metha...	206	C16H14	085385-68-8	64





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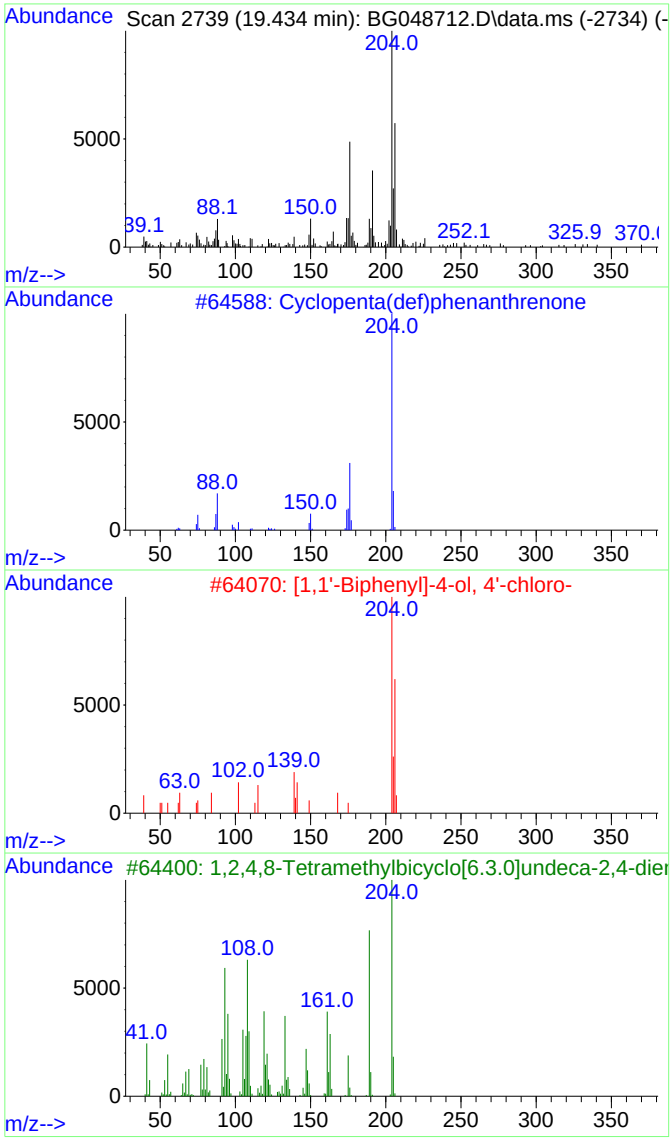
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

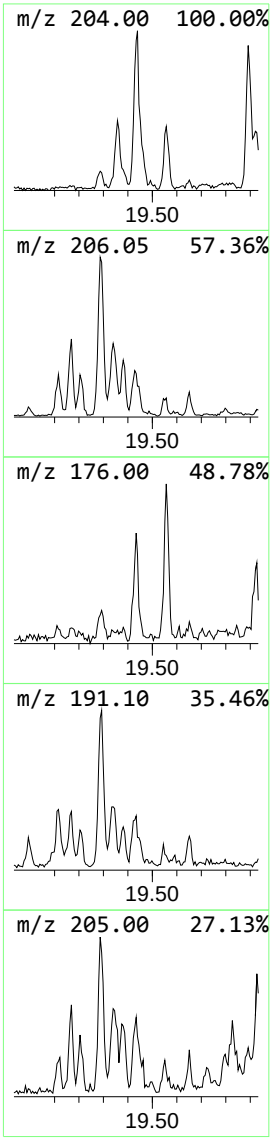
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 15 Cyclopenta(def)phenanthrenone Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.433	9.09 ng	218167	Phenanthrene-d10	17.500

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	55
2	[1,1'-Biphenyl]-4-ol, 4'-chloro-	204	C12H9ClO	028034-99-3	49
3	1,2,4,8-Tetramethylbicyclo[6.3.0...	204	C15H24	137235-51-9	46
4	[(6-Chloro-2,3,4,9-tetrahydro-1H...	334	C17H19ClN2O3	1000295-26-0	43
5	9,10-Dimethylanthracene	206	C16H14	000781-43-1	42





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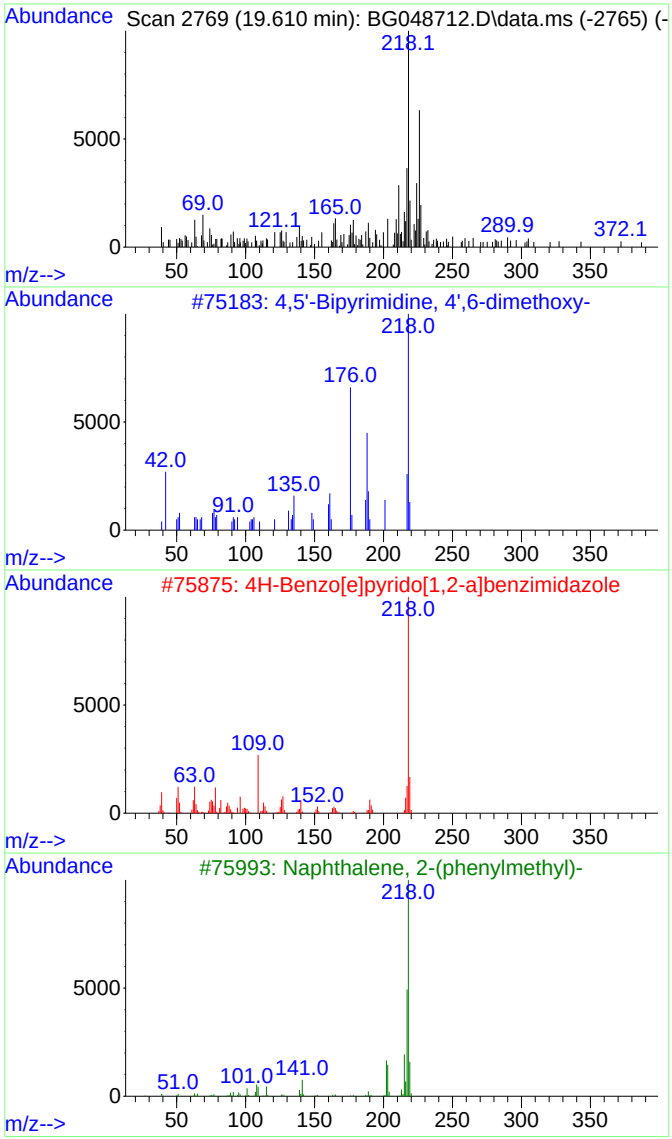
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

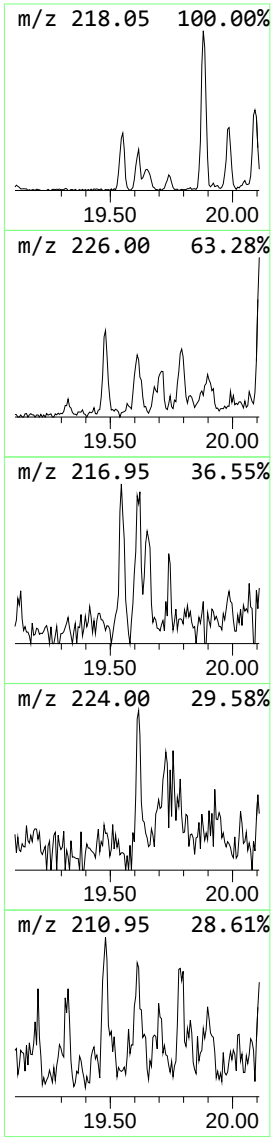
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 16 unknown19.610 Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.610	3.08 ng	73885	Phenanthrene-d10	17.500

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4,5'-Bipyrimidine, 4',6-dimethoxy-	218	C10H10N4O2	059549-37-0	38
2	4H-Benzo[e]pyrido[1,2-a]benzimid...	218	C15H10N2	000239-25-8	38
3	Naphthalene, 2-(phenylmethyl)-	218	C17H14	000613-59-2	35
4	Pyrido[1,2-a]perimidine	218	C15H10N2	000200-42-0	35
5	1H-Pyrrolo[3,4-c]quinoline-1,3,4...	218	C11H10N2O3	181021-85-2	35





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Data File : BG048712.D
Acq On : 15 Apr 2021 17:04
Operator : CG/JU
Sample : M2008-02
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
NANUET-ST-041221

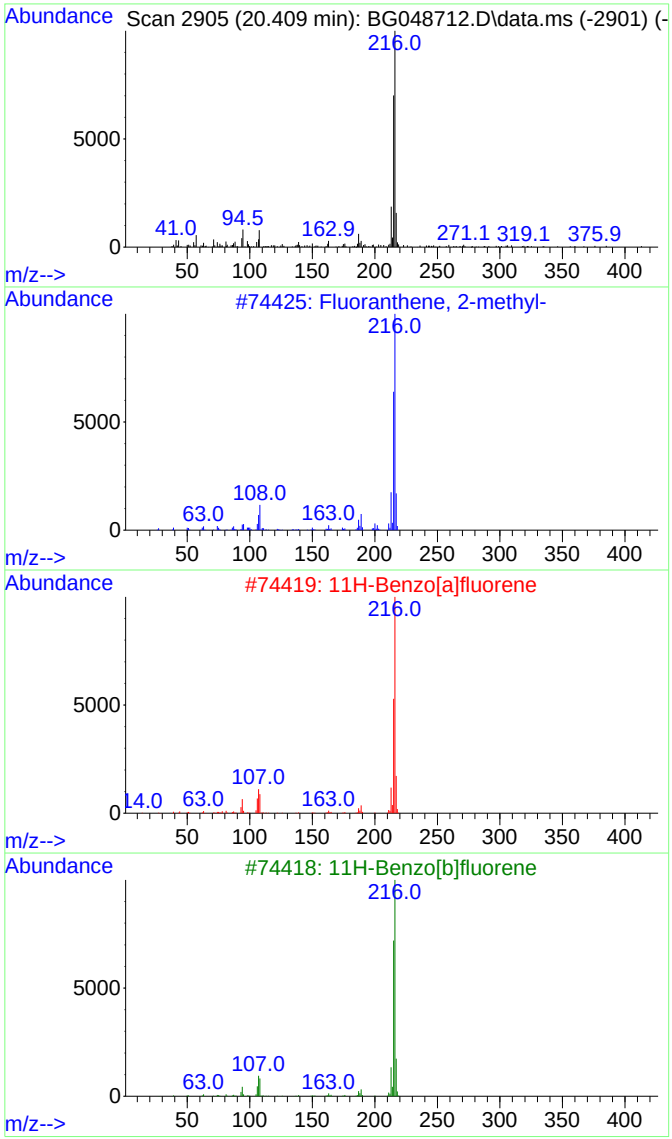
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG041421.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

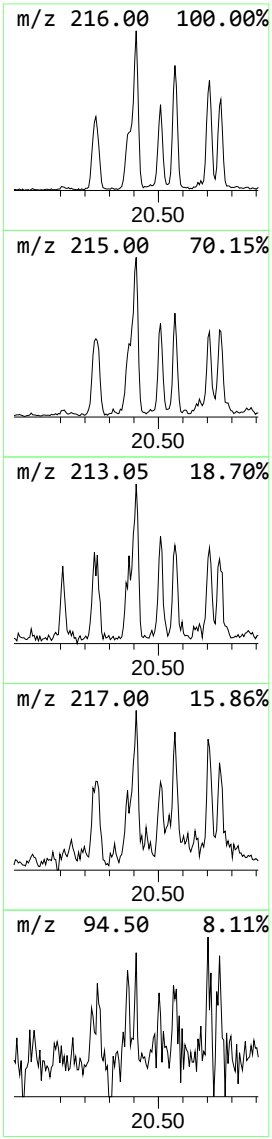
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 17 Fluoranthene, 2-methyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.409	4.54 ng	293250	Chrysene-d12	21.801

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	93
2	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	91
3	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	90
4	Pyrene, 1-methyl-	216	C17H12	002381-21-7	83
5	7H-Benzo[c]fluorene	216	C17H12	000205-12-9	80





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG041521\
Data File : BG048712.D
Acq On : 15 Apr 2021 17:04
Operator : CG/JU
Sample : M2008-02
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
NANUET-ST-041221

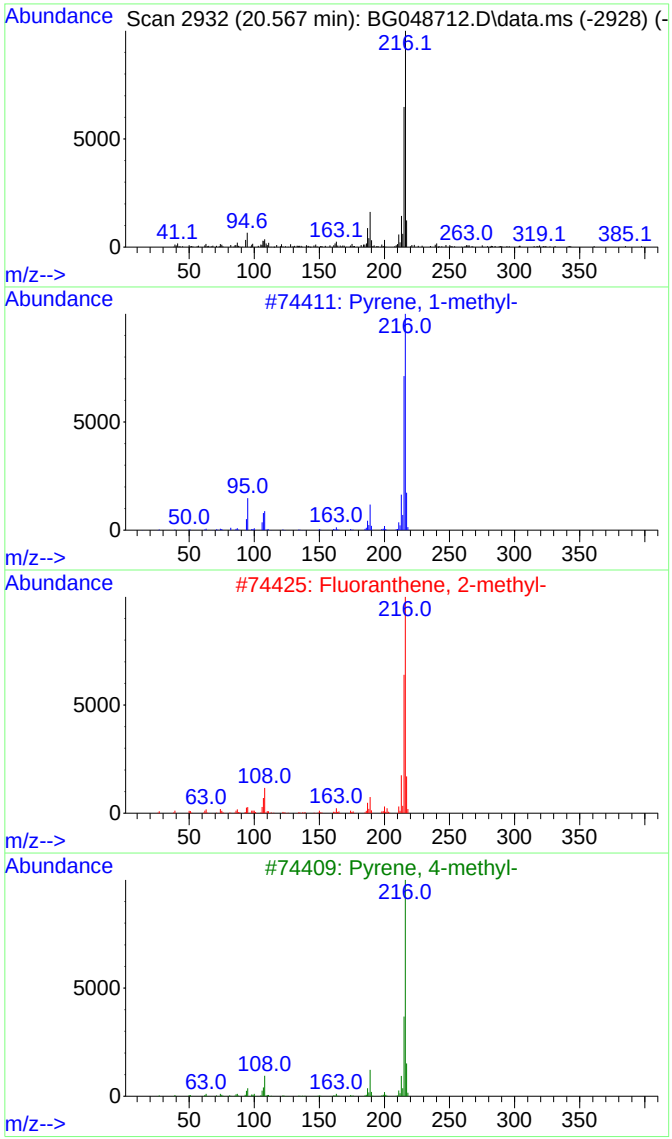
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG041421.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

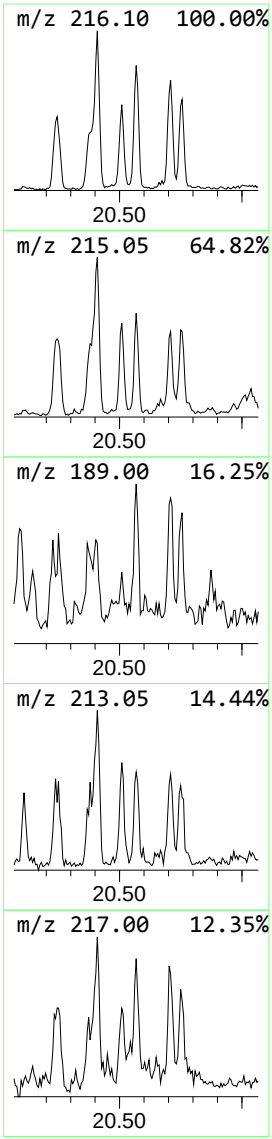
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.567	3.02 ng	195122	Chrysene-d12	21.801

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	93
2	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	87
3	Pyrene, 4-methyl-	216	C17H12	003353-12-6	87
4	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	87
5	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	86





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Data File : BG048712.D
Acq On : 15 Apr 2021 17:04
Operator : CG/JU
Sample : M2008-02
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : NANUET-ST-041221

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

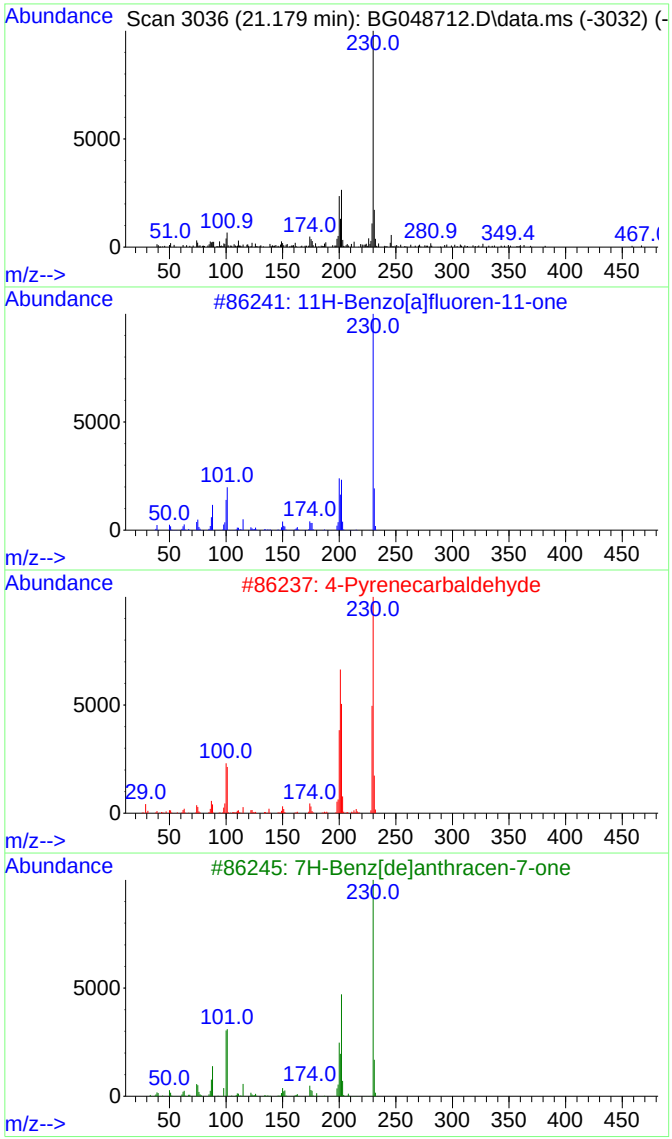
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

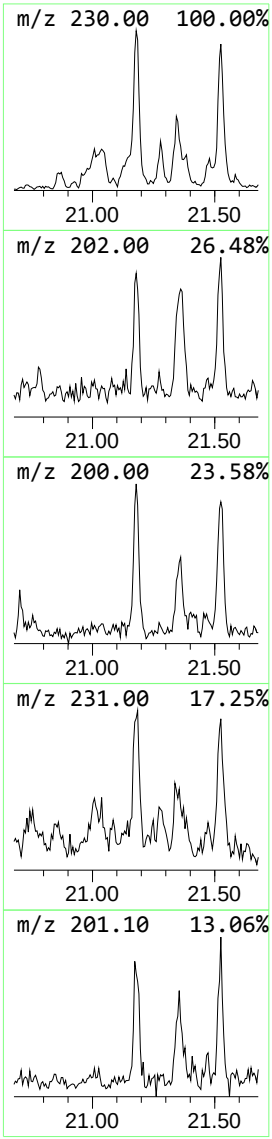
****

Peak Number 19 11H-Benzo[a]fluoren-11-one Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.179	3.05 ng	197113	Chrysene-d12	21.801

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[a]fluoren-11-one	230	C17H10O	000479-79-8	80
2	4-Pyrenecarbaldehyde	230	C17H10O	022245-51-8	74
3	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	72
4	6H-Benz[de]anthracen-6-one	230	C17H10O	080252-14-8	68
5	1-Pyrenecarboxaldehyde	230	C17H10O	003029-19-4	64





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG041521\
Data File : BG048712.D
Acq On : 15 Apr 2021 17:04
Operator : CG/JU
Sample : M2008-02
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
NANUET-ST-041221

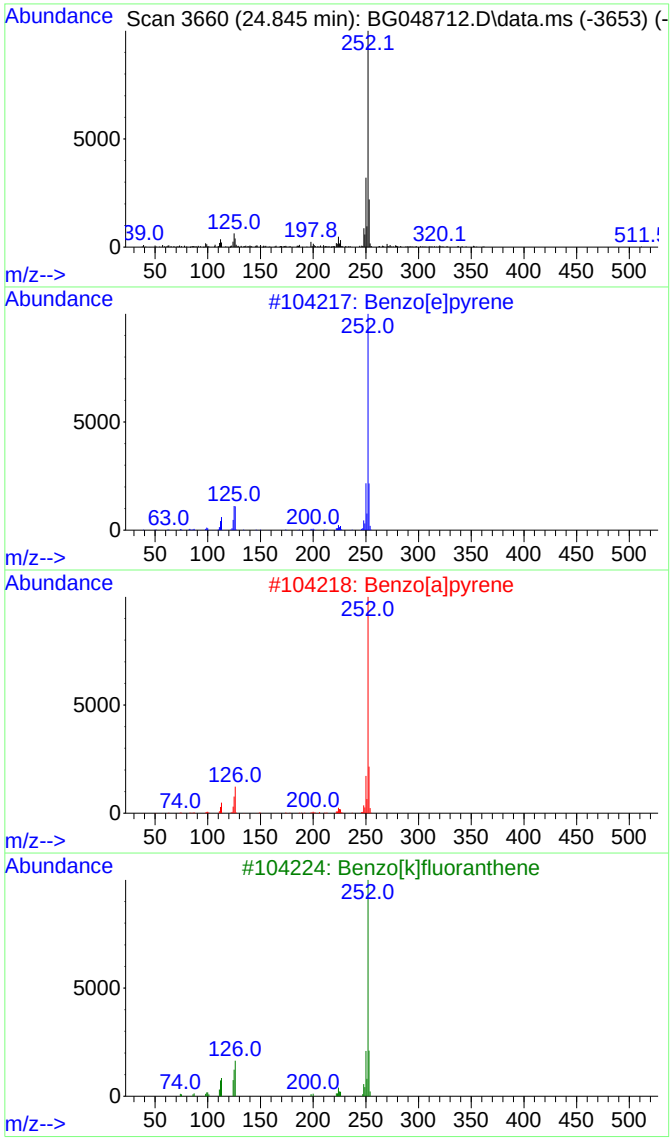
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG041421.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

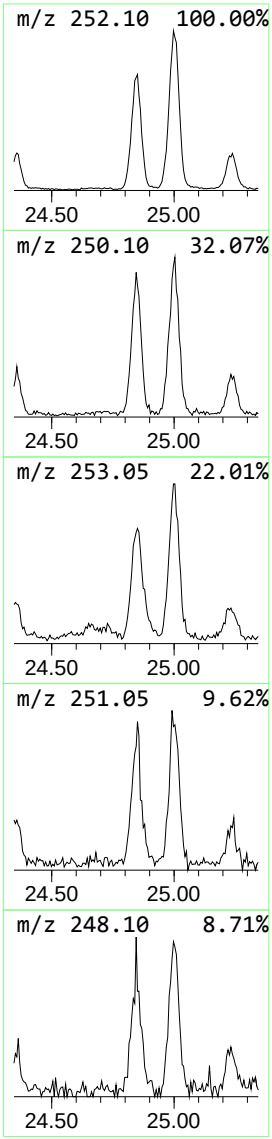
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 20 Benzo[e]pyrene Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
24.845	24.35 ng	530370	Perylene-d12	25.156

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	81
2	Benzo[a]pyrene	252	C20H12	000050-32-8	76
3	Benzo[k]fluoranthene	252	C20H12	000207-08-9	76
4	Benzo[j]fluoranthene	252	C20H12	000205-82-3	76
5	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	76





Tentatively Identified Compound (LSC) summary

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG041521\
Data File : BG048712.D
Acq On : 15 Apr 2021 17:04
Operator : CG/JU
Sample : M2008-02
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : NANUET-ST-041221

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
unknown16.466	16.466	4.2	ng	99984	4	17.500	479967	20.0
Dibenzothiophene	17.318	3.4	ng	81156	4	17.500	479967	20.0
1-Methyldibenzo...	18.082	5.1	ng	122389	4	17.500	479967	20.0
Dibenzothiophen...	18.229	3.4	ng	80697	4	17.500	479967	20.0
Phenanthrene, 2...	18.376	14.5	ng	347980	4	17.500	479967	20.0
Phenanthrene, 1...	18.423	13.8	ng	329992	4	17.500	479967	20.0
unknown18.570	18.570	17.4	ng	416638	4	17.500	479967	20.0
Anthracene, 2-m...	18.605	8.1	ng	194645	4	17.500	479967	20.0
Naphthalene, 2-...	18.869	7.4	ng	176638	4	17.500	479967	20.0
Benzo[c]cinnoline	18.916	10.9	ng	262322	4	17.500	479967	20.0
Phenanthrene, 2...	19.116	4.1	ng	97681	4	17.500	479967	20.0
di-p-Tolylacety...	19.169	4.7	ng	113355	4	17.500	479967	20.0
9,10-Dimethylan...	19.293	13.2	ng	316082	4	17.500	479967	20.0
Phenanthrene, 2...	19.340	4.8	ng	114417	4	17.500	479967	20.0
Cyclopenta(def)...	19.433	9.1	ng	218167	4	17.500	479967	20.0
unknown19.610	19.610	3.1	ng	73885	4	17.500	479967	20.0
Fluoranthene, 2...	20.409	4.5	ng	293250	5	21.801	1293170	20.0
Pyrene, 1-methyl-	20.567	3.0	ng	195122	5	21.801	1293170	20.0
11H-Benzo[a]flu...	21.179	3.0	ng	197113	5	21.801	1293170	20.0
Benzo[e]pyrene	24.845	24.4	ng	530370	6	25.156	435676	20.0