LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG112222\
Data File : BG055753.D
Acq On : 23 Nov 2022 00:07
Operator : CG/JU
Sample : N5664-02
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_G
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_G\Methods\8270-BG111622.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BG055753.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	5.296	336	342	351	rBV	80317	125842	5.96%	0.470%
2	5.778	417	424	432	rBV	538430	891691	42.21%	3.327%
3	7.388	691	698	713	rVB	549427	974644	46.14%	3.636%
4	8.246	837	844	850	rBV	154880	257717	12.20%	0.962%
5	9.415	1035	1043	1055	rVB	341512	615921	29.16%	2.298%
6	11.072	1318	1325	1331	rBV	215826	393844	18.65%	1.469%
7	11.125	1331	1334	1342	rVB	42056	67052	3.17%	0.250%
8	12.711	1599	1604	1612	rVB	21977	36433	1.72%	0.136%
9	12.929	1634	1641	1649	rVB	23569	41957	1.99%	0.157%
10	13.493	1730	1737	1745	rVB	785272	1217062	57.62%	4.541%
11	13.669	1759	1767	1771	rBV4	14870	29209	1.38%	0.109%
12	14.045	1824	1831	1837	rBV4	18464	47251	2.24%	0.176%
13	14.186	1849	1855	1861	rBV2	34634	63893	3.02%	0.238%
14	14.245	1861	1865	1869	rVV2	18374	27692	1.31%	0.103%
15	14.298	1869	1874	1882	rVB6	17341	43796	2.07%	0.163%
16	14.421	1892	1895	1905	rVB2	19563	42686	2.02%	0.159%
17	14.597	1915	1925	1931	rBV2	49987	112815	5.34%	0.421%
18	14.832	1959	1965	1966	rBV6	17349	26256	1.24%	0.098%
19	14.868	1966	1971	1977	rVV	327186	518670	24.55%	1.935%
20	14.932	1977	1982	1987	rVV	49264	83180	3.94%	0.310%
21	14.979	1987	1990	1999	rVB3	15934	29053	1.38%	0.108%
22	15.255	2031	2037	2043	rVB2	61780	114651	5.43%	0.428%
23	15.332	2045	2050	2058	rVB	38430	62801	2.97%	0.234%
24	15.473	2068	2074	2078	rBV3	40648	80742	3.82%	0.301%
25	15.526	2079	2083	2088	rVB	34758	60670	2.87%	0.226%
26	15.643	2096	2103	2106	rBV4	35589	85281	4.04%	0.318%
27	15.678	2106	2109	2115	rVB3	46244	60668	2.87%	0.226%
28	15.743	2116	2120	2124	rBV3	20490	30889	1.46%	0.115%
29	15.813	2129	2132	2135	rBV4	20537	23874	1.13%	0.089%
30	15.907	2142	2148	2154	rVV3	77594	141399	6.69%	0.528%
31	16.007	2161	2165	2167	rBV4	29232	46126	2.18%	0.172%
32	16.113	2180	2183	2189	rVB4	18616	28929	1.37%	0.108%
33	16.195	2189	2197	2204	rVB7	58942	156094	7.39%	0.582%
34	16.307	2212	2216	2218	rBV3	23979	35338	1.67%	0.132%
35	16.348	2218	2223	2231	rVV	680439	1080192	51.14%	4.030%
36	16.419	2231	2235	2239	rVV4	32131	53608	2.54%	0.200%

LSC Area Percent Report

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Operator : CG/JU
Sample : N5664-02
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_G
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_G\Methods\8270-BG111622.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

37	16.472	2242	2244	2249	rVB	32764	40145	1.90%	0.150%
38	16.571	2252	2261	2267	rBV6	61480	171334	8.11%	0.639%
39	16.665	2274	2277	2280	rBV4	18840	27024	1.28%	0.101%
40	16.718	2281	2286	2293	rVV5	82005	169831	8.04%	0.634%
41	16.783	2293	2297	2301	rVB	60356	89234	4.22%	0.333%
42	16.895	2310	2316	2322	rBV5	85909	213408	10.10%	0.796%
43	16.959	2324	2327	2332	rVB2	56489	96623	4.57%	0.360%
44	17.059	2340	2344	2350	rVB3	51669	78479	3.72%	0.293%
45	17.135	2351	2357	2361	rBV4	63764	146952	6.96%	0.548%
46	17.265	2374	2379	2381	rBV4	43491	74873	3.54%	0.279%
47	17.312	2382	2387	2388	rVV2	128767	203285	9.62%	0.758%
48	17.335	2388	2391	2396	rVB2	216257	318035	15.06%	1.187%
49	17.482	2412	2416	2420	rVB	90936	126383	5.98%	0.472%
50	17.541	2423	2426	2431	rBV5	28830	40097	1.90%	0.150%
51	17.611	2432	2438	2441	rBV	378355	612530	29.00%	2.285%
52	17.652	2441	2445	2450	rVB	721882	1020369	48.31%	3.807%
53	17.705	2451	2454	2455	rBV3	48089	52680	2.49%	0.197%
54	17.747	2456	2461	2468	rBV2	245316	441693	20.91%	1.648%
55	17.929	2488	2492	2500	rVB2	95596	161608	7.65%	0.603%
56	18.005	2500	2505	2510	rBV4	135061	254608	12.05%	0.950%
57	18.164	2522	2532	2542	rBV8	125814	501689	23.75%	1.872%
58	18.475	2580	2585	2590	rBV3	344561	682682	32.32%	2.547%
59	18.534	2590	2595	2601	rVB2	342667	568286	26.90%	2.120%
60	18.610	2604	2608	2613	rBV3	142617	231378	10.95%	0.863%
61	18.675	2613	2619	2623	rBV3	255066	565406	26.77%	2.109%
62	18.969	2665	2669	2673	rBV2	151797	212919	10.08%	0.794%
63	19.215	2708	2711	2715	rVB	125848	152659	7.23%	0.570%
64	19.262	2716	2719	2723	rVV	181264	229785	10.88%	0.857%
65	19.303	2723	2726	2730	rVB	133610	158293	7.49%	0.591%
66	19.386	2735	2740	2744	rBV	370509	611845	28.97%	2.283%
67	19.521	2759	2763	2768	rBV2	143272	287406	13.61%	1.072%
68	19.650	2780	2785	2790	rBV	1141243	1731810	81.99%	6.461%
69	19.732	2796	2799	2805	rVB4	157751	275009	13.02%	1.026%
70	19.979	2838	2841	2842	rBV	127141	144708	6.85%	0.540%
71	20.014	2842	2847	2854	rVV	1386363	2112295	100.00%	7.881%
72	20.079	2854	2858	2863	rVB	271160	409012	19.36%	1.526%
73	20.197	2873	2878	2882	rVB	1133950	1453967	68.83%	5.425%
74	20.596	2943	2946	2950	rBV	190891	234367	11.10%	0.874%
75	20.661	2953	2957	2960	rVB	363804	456413	21.61%	1.703%
76	20.802	2977	2981	2985	rBV	271297	388635	18.40%	1.450%

LSC Area Percent Report

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Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_G
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
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Peak separation: 5

Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG111622.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

77	20.849	2985	2989	2991	rBV	225097	313766	14.85%	1.171%
78	21.759	3141	3144	3151	rVB	296693	426846	20.21%	1.593%
79	21.895	3162	3167	3175	rBV2	633184	1710964	81.00%	6.383%
80	21.959	3175	3178	3189	rVB	502402	896046	42.42%	3.343%

Sum of corrected areas: 26803303

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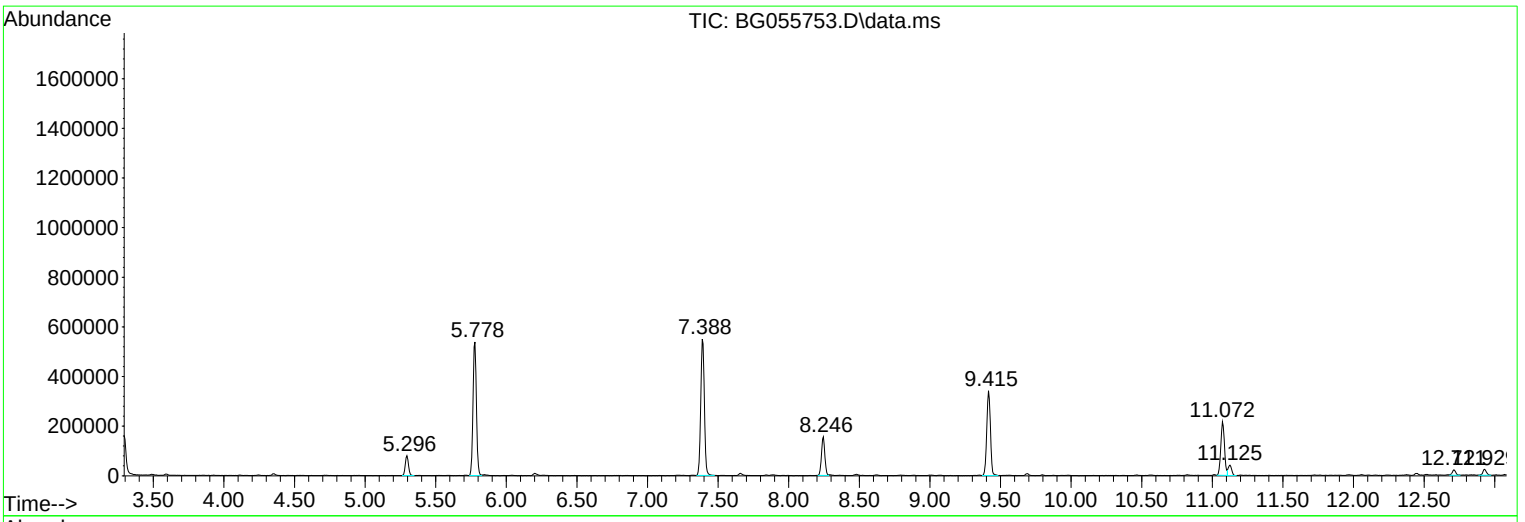
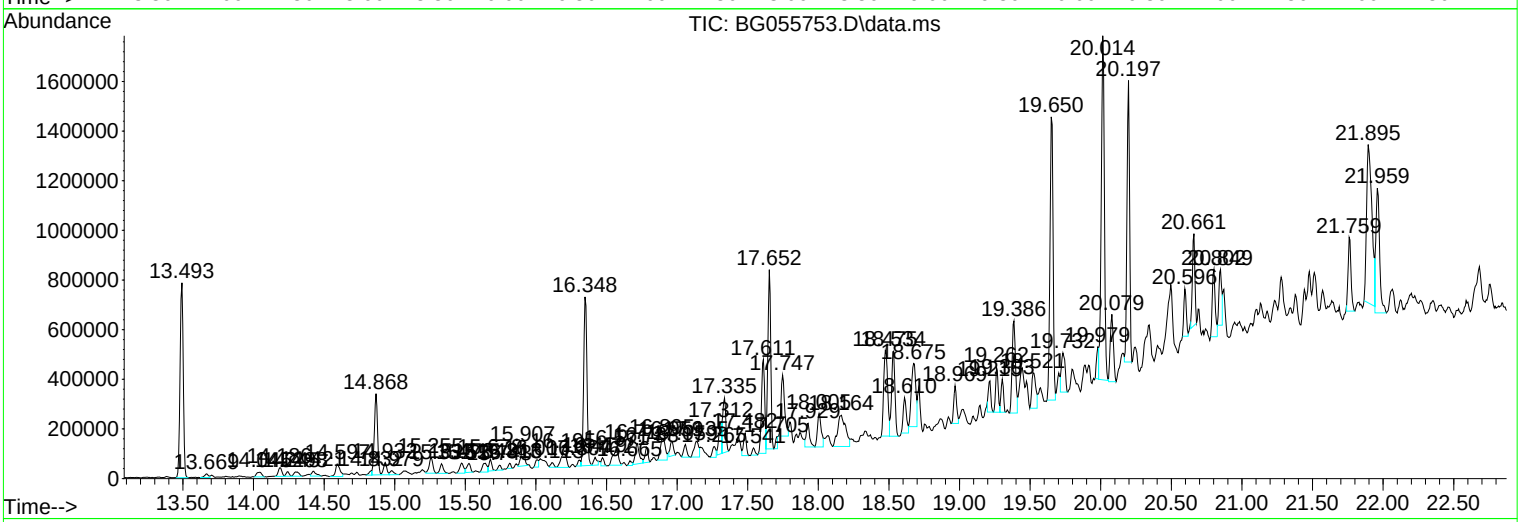
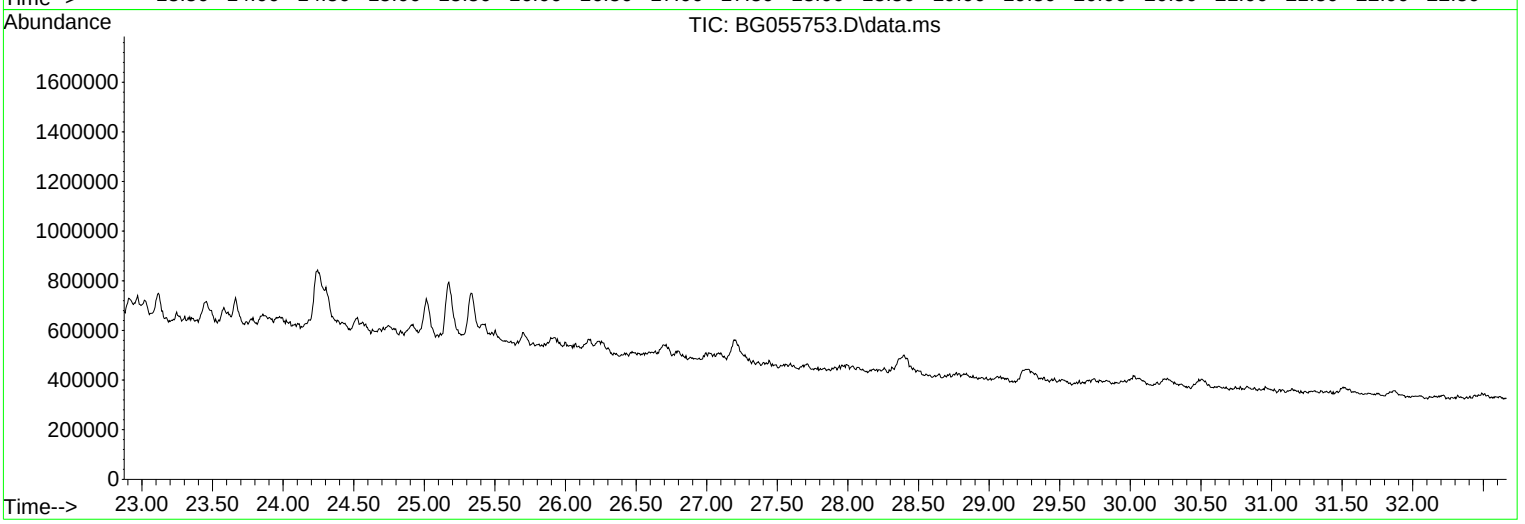
Instrument :
BNA_G
ClientSampleId :
B-2

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG111622.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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







Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG112222\
Data File : BG055753.D
Acq On : 23 Nov 2022 00:07
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Sample : N5664-02
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ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
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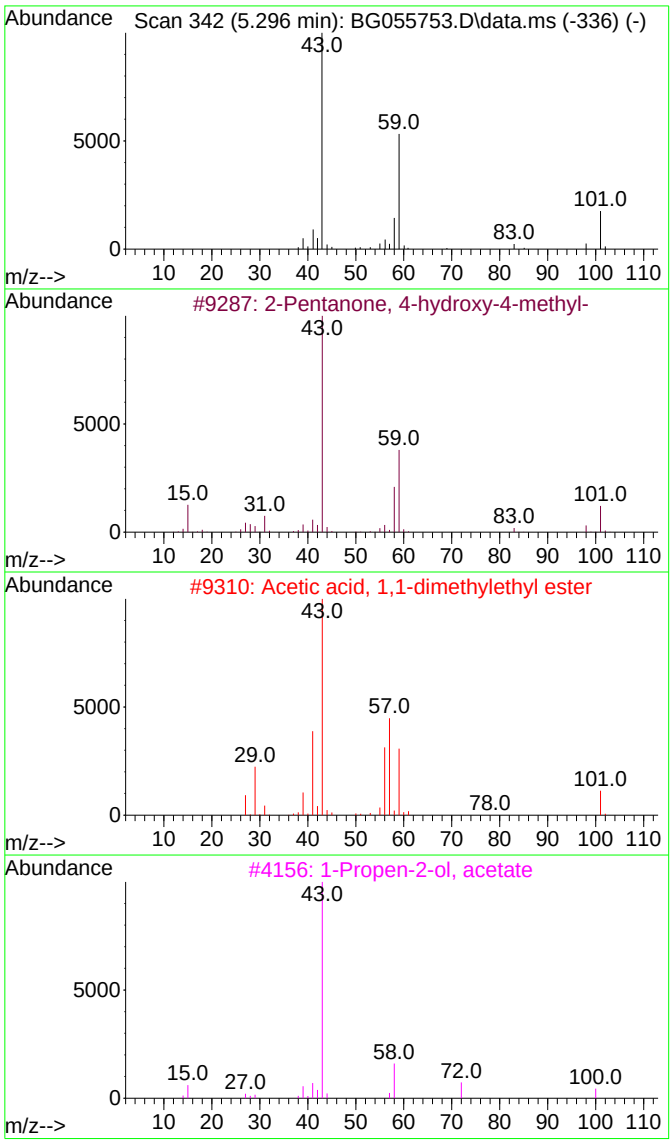
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG111622.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

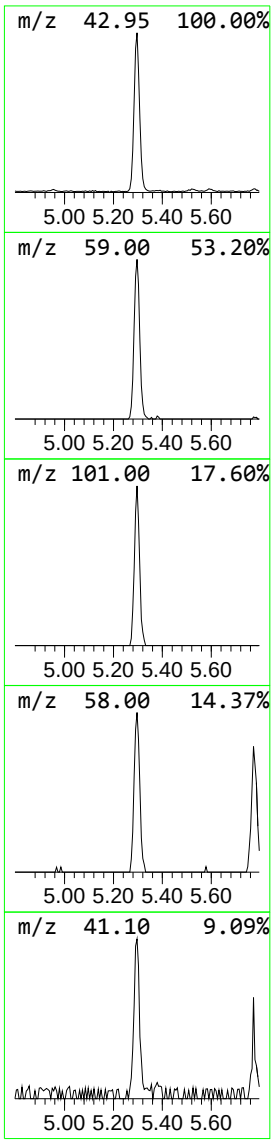
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 1 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.296	9.77 ng	125842	1,4-Dichlorobenzene-d4	8.246

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	64
2	Acetic acid, 1,1-dimethylethyl e...	116	C6H12O2	000540-88-5	38
3	1-Propen-2-ol, acetate	100	C5H8O2	000108-22-5	12
4	Butane, 1-ethoxy-	102	C6H14O	000628-81-9	9
5	2,3-Butanedione, monooxime	101	C4H7NO2	000057-71-6	9





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Sample : N5664-02
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
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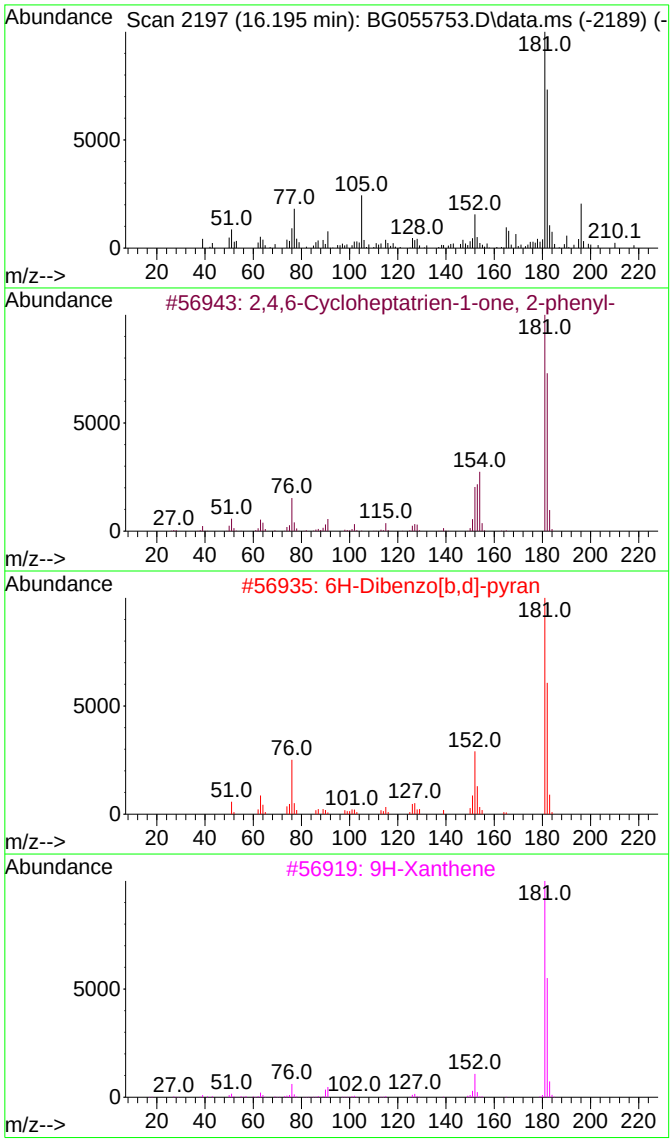
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG111622.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

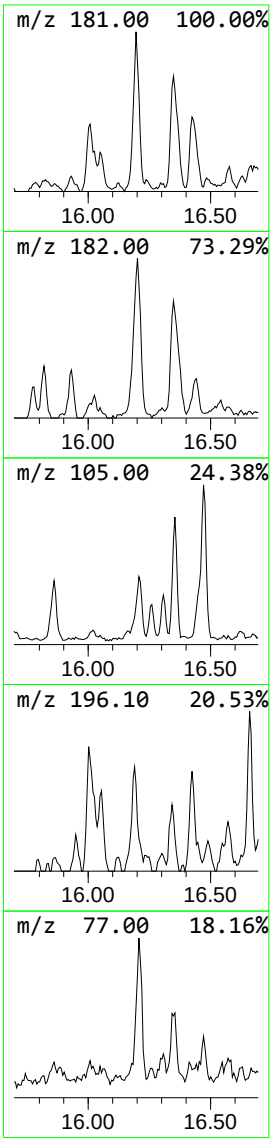
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 2 2,4,6-Cycloheptatrien-1-one... Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.195	6.02 ng	156094	Acenaphthene-d10	14.868

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2,4,6-Cycloheptatrien-1-one, 2-p...	182	C13H10O	014562-09-5	70
2	6H-Dibenzo[b,d]-pyran	182	C13H10O	000229-95-8	68
3	9H-Xanthene	182	C13H10O	000092-83-1	64
4	Dibenzofuran, 4-methyl-	182	C13H10O	007320-53-8	60
5	Pyridine, 4,4'-(1,2-ethenediyl)b...	182	C12H10N2	013362-78-2	58





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Sample : N5664-02
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Instrument :
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Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG111622.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

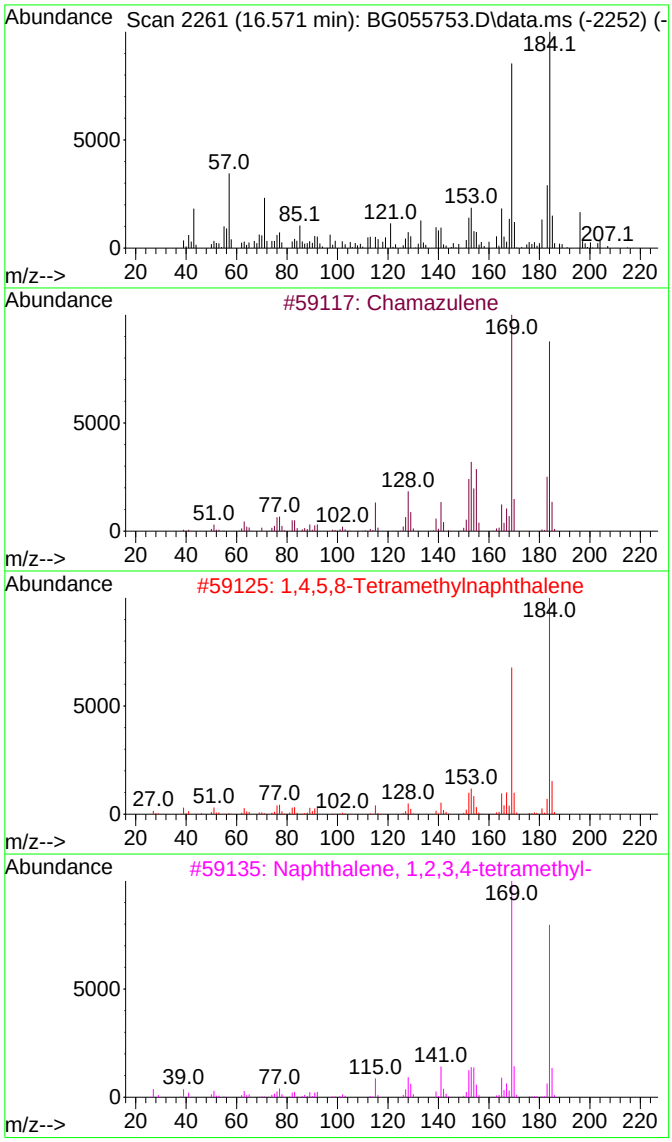
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

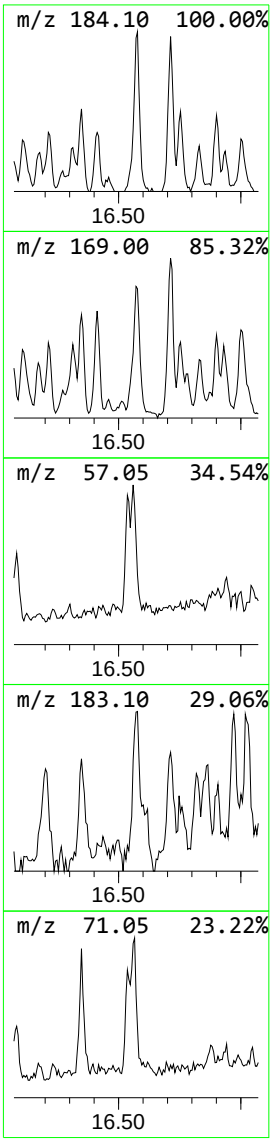
****

Peak Number 3 Chamazulene Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.571	5.59 ng	171334	Phenanthrene-d10	17.611

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Chamazulene	184	C14H16	000529-05-5	90
2	1,4,5,8-Tetramethylnaphthalene	184	C14H16	002717-39-7	87
3	Naphthalene, 1,2,3,4-tetramethyl-	184	C14H16	003031-15-0	74
4	1,1'-Biphenyl, 2-methoxy-	184	C13H12O	000086-26-0	74
5	Cyclopentene, 1,2-dimethyl-4-met...	184	C14H16	1000152-22-4	74





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Misc :
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Instrument :
BNA_G
ClientSampleId :
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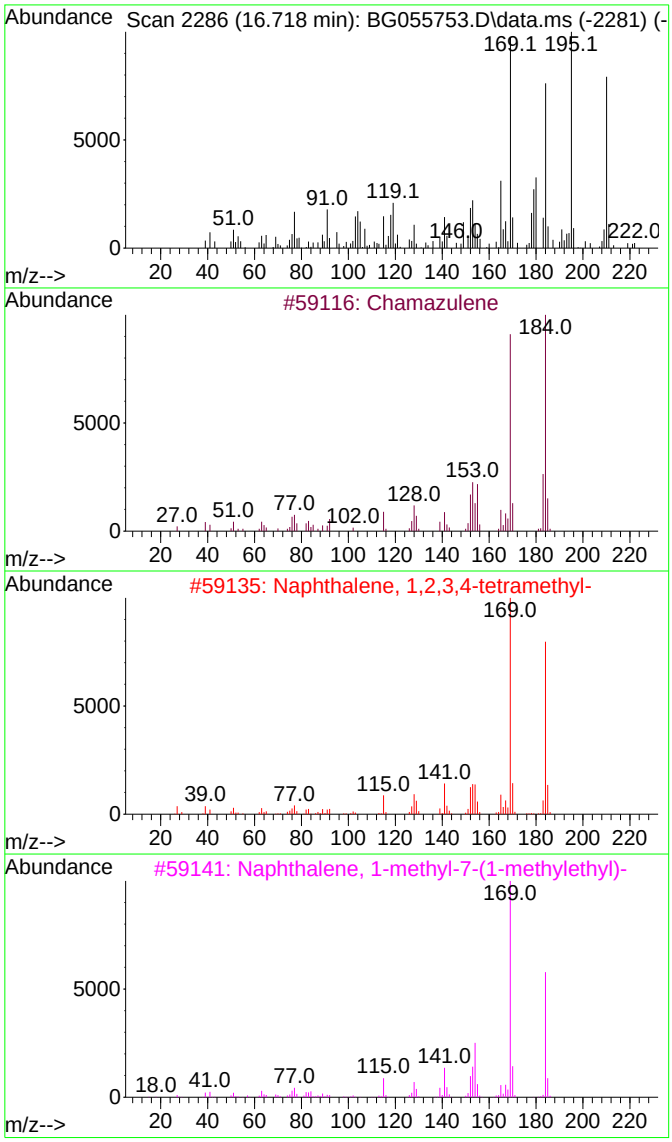
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG111622.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

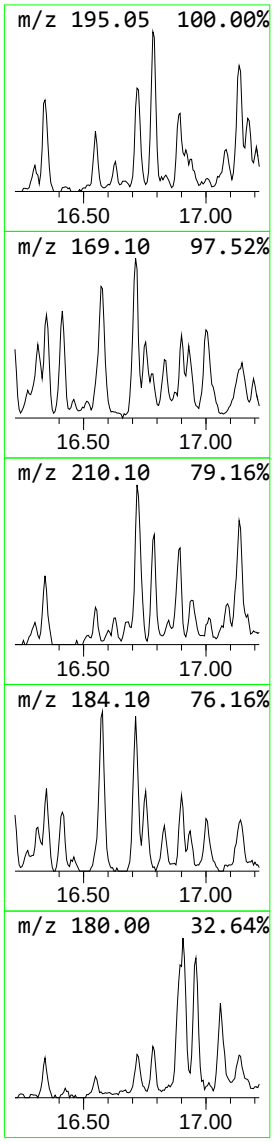
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 4 Naphthalene, 1,2,3,4-tetram... Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.718	5.55 ng	169831	Phenanthrene-d10	17.611

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Chamazulene	184	C14H16	000529-05-5	60
2	Naphthalene, 1,2,3,4-tetramethyl-	184	C14H16	003031-15-0	60
3	Naphthalene, 1-methyl-7-(1-methy...	184	C14H16	000490-65-3	60
4	Anthracene, 1,2,3,4-tetrahydro-9...	210	C16H18	094573-50-9	49
5	1,4,5,8-Tetramethylnaphthalene	184	C14H16	002717-39-7	46





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Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
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Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG111622.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

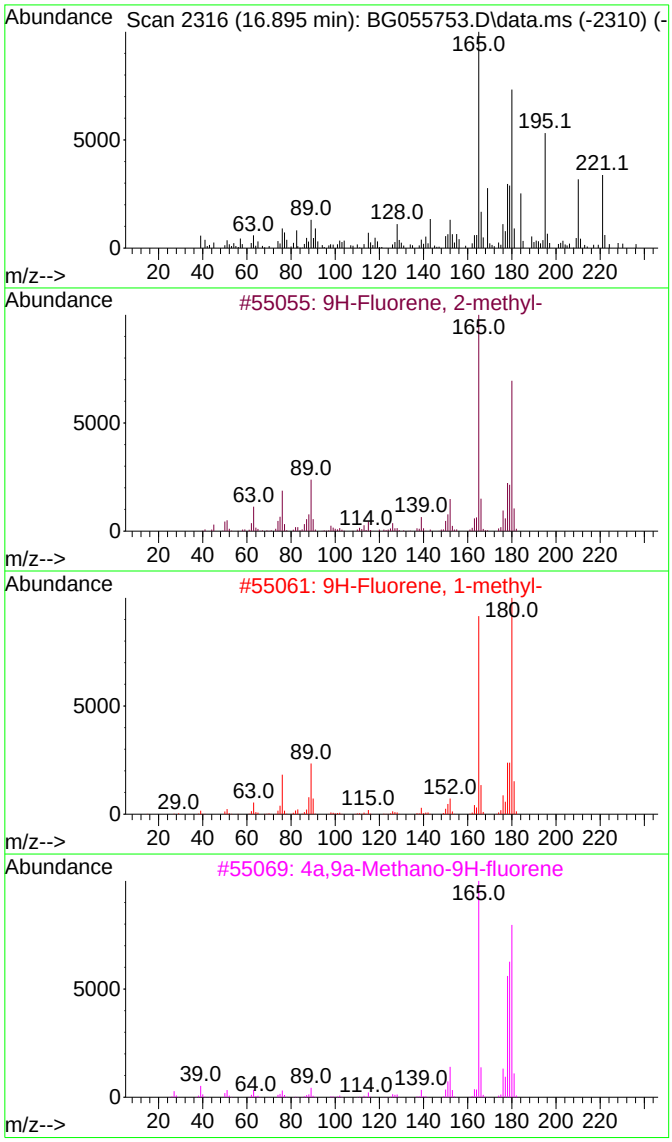
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

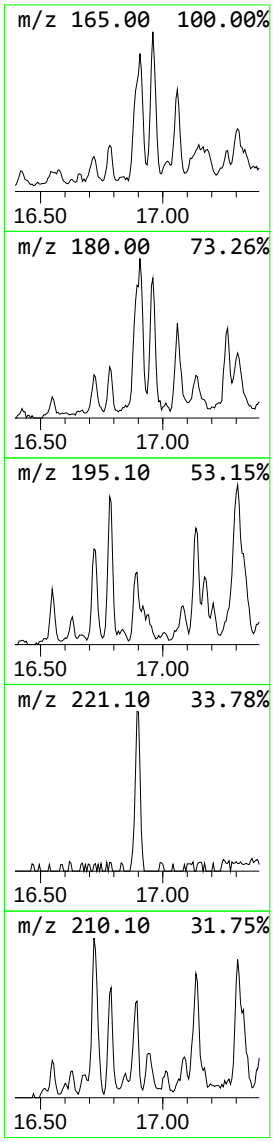
****

Peak Number 5 9H-Fluorene, 2-methyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.895	6.97 ng	213408	Phenanthrene-d10	17.611

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluorene, 2-methyl-	180	C14H12	001430-97-3	70
2	9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	64
3	4a,9a-Methano-9H-fluorene	180	C14H12	019540-84-2	64
4	9H-Fluorene, 4-methyl-	180	C14H12	001556-99-6	50
5	9H-Fluorene, 3-methyl-	180	C14H12	002523-39-9	50





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG112222\
Data File : BG055753.D
Acq On : 23 Nov 2022 00:07
Operator : CG/JU
Sample : N5664-02
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
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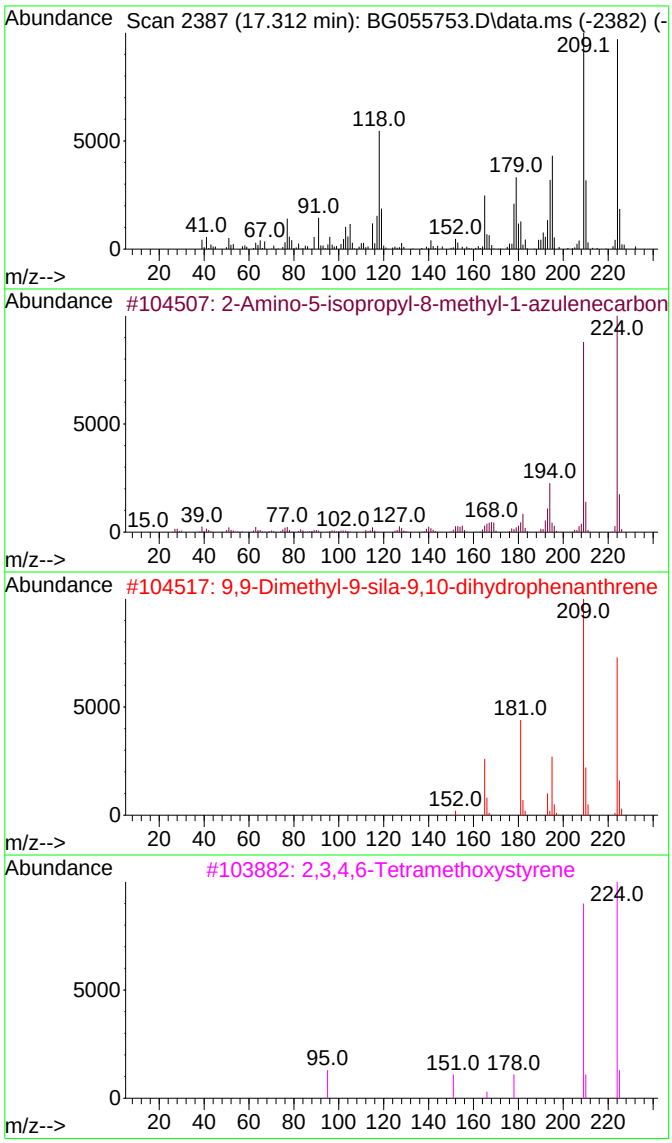
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG111622.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

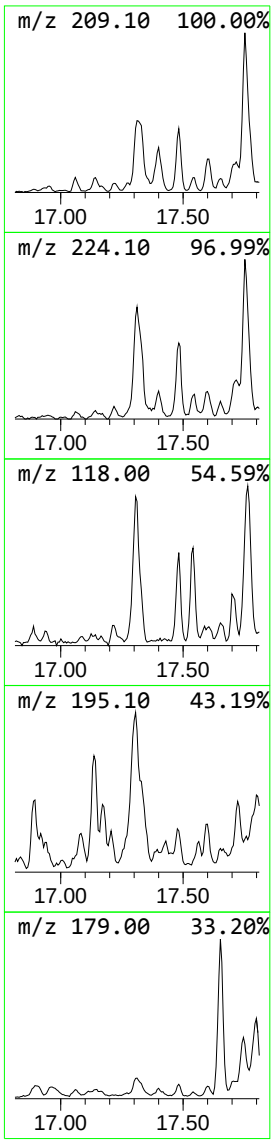
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 6 2-Amino-5-isopropyl-8-methy... Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.312	6.64 ng	203285	Phenanthrene-d10	17.611

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Amino-5-isopropyl-8-methyl-1-a...	224	C15H16N2	093946-48-6	70
2	9,9-Dimethyl-9-sila-9,10-dihydro...	224	C15H16Si	187328-55-8	64
3	2,3,4,6-Tetramethoxystyrene	224	C12H16O4	048153-74-8	46
4	1H-1,3-Benzimidazole, 5-methoxy-...	224	C14H12N2O	1000350-62-4	43
5	Methyl 3-hydroxybenzoate, TMS de...	224	C11H16O3Si	027798-50-1	43





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Acq On : 23 Nov 2022 00:07
Operator : CG/JU
Sample : N5664-02
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
B-2

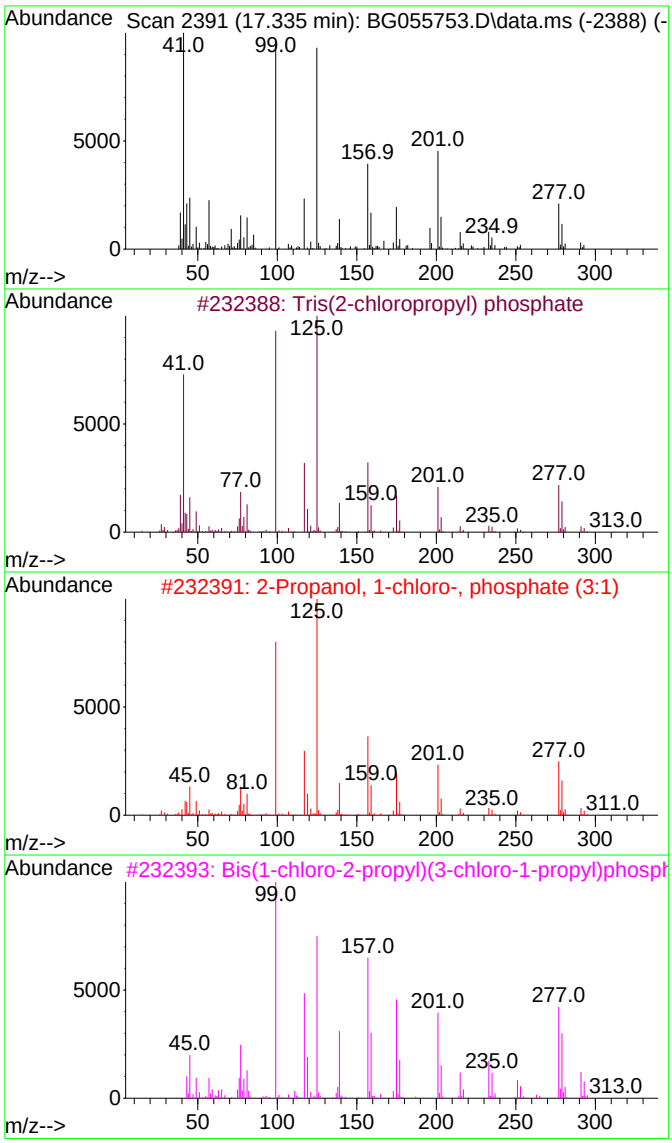
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG111622.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

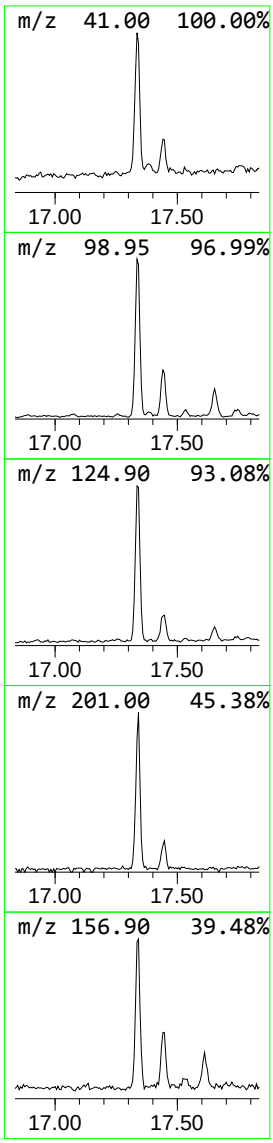
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 7 Tris(2-chloropropyl) phosphate Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.335	10.38 ng	318035	Phenanthrene-d10	17.611

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tris(2-chloropropyl) phosphate	326	C9H18Cl3O4P	006145-73-9	68
2	2-Propanol, 1-chloro-, phosphate...	326	C9H18Cl3O4P	013674-84-5	43
3	Bis(1-chloro-2-propyl)(3-chloro-...	326	C9H18Cl3O4P	137909-40-1	38
4	Bis(3-chloro-1-propyl)(1-chloro-...	326	C9H18Cl3O4P	137888-35-8	22
5	Benzoic acid, 4-[[2-(1-piperazin...	277	C14H19N3O3	1000350-32-6	14





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Sample : N5664-02
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
B-2

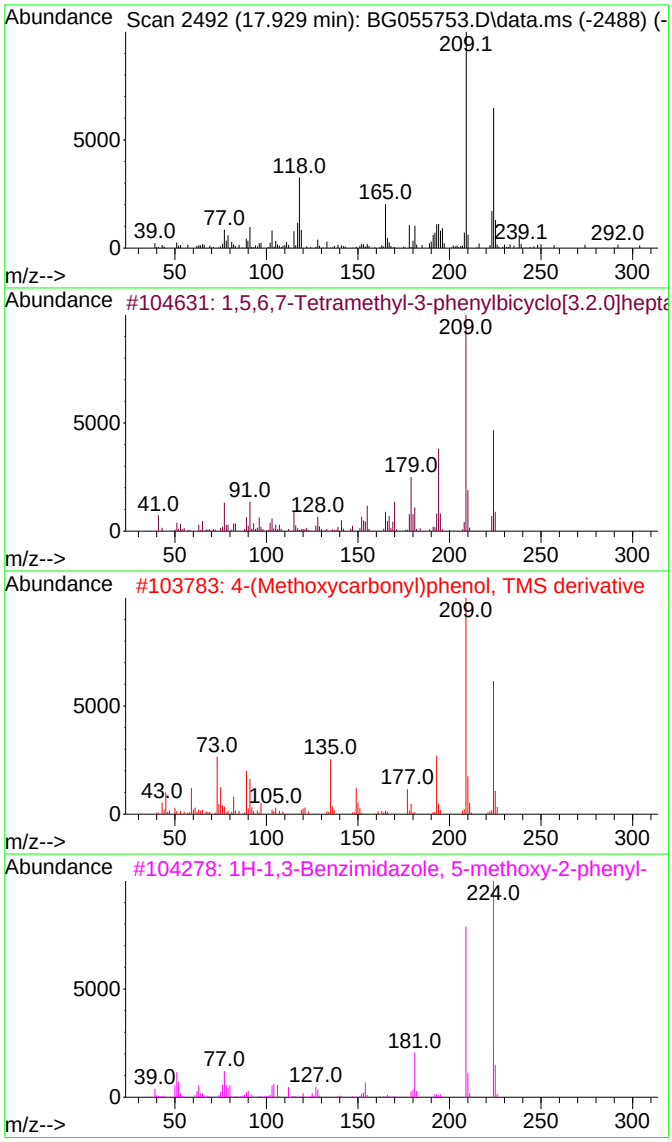
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG111622.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

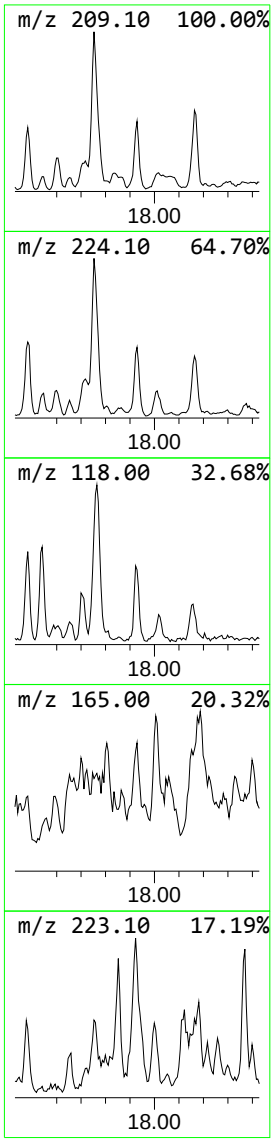
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 8 1,5,6,7-Tetramethyl-3-pheny... Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.929	5.28 ng	161608	Phenanthrene-d10	17.611

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,5,6,7-Tetramethyl-3-phenylbicy...	224	C17H20	126584-00-7	50
2	4-(Methoxycarbonyl)phenol, TMS d...	224	C11H16O3Si	027739-17-9	47
3	1H-1,3-Benzimidazole, 5-methoxy-...	224	C14H12N2O	1000350-62-4	35
4	5,6,11,12-Tetrahydrodibenz(b,f)a...	209	C15H15N	005697-88-1	35
5	Carbazole, 1,5,7-trimethyl-	209	C15H15N	078787-84-5	30





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Misc :
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Instrument :
BNA_G
ClientSampleId :
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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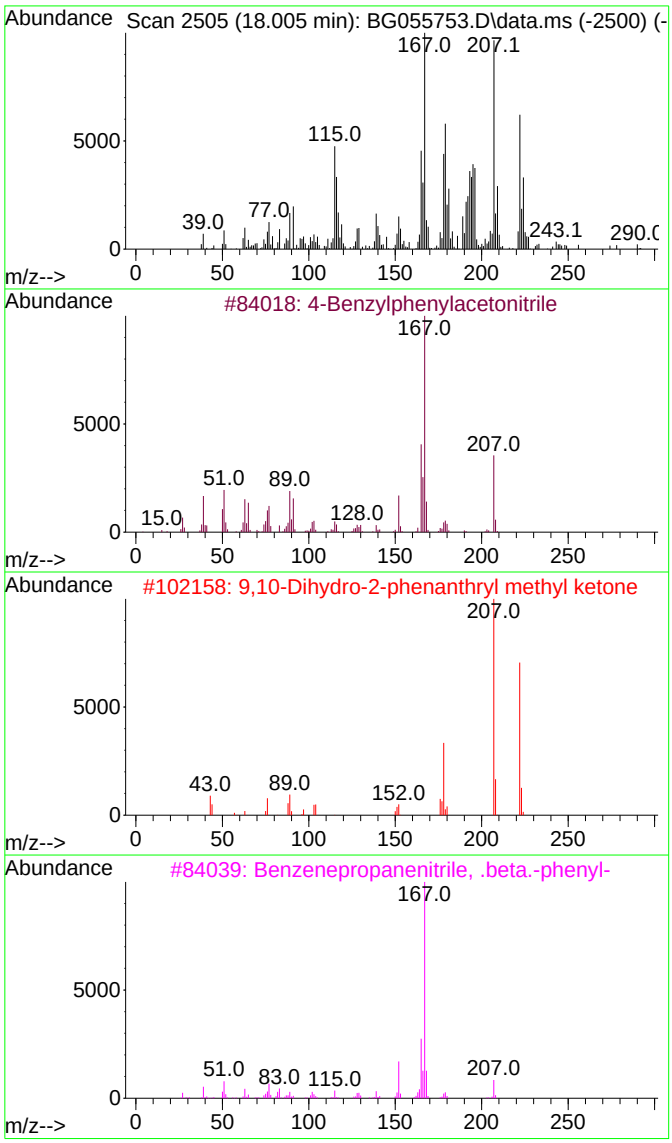
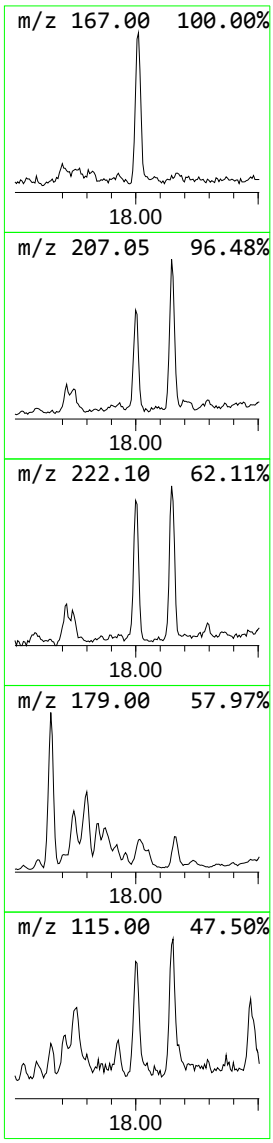
Peak Number 9 unknown18.005 Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.005	8.31 ng	254608	Phenanthrene-d10	17.611

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4-Benzylphenylacetonitrile	207	C15H13N	101096-72-4	38
2	9,10-Dihydro-2-phenanthryl methy...	222	C16H14O	1000431-96-1	38
3	Benzenepropanenitrile, .beta.-ph...	207	C15H13N	002286-54-6	30
4	2-Butenenitrile, 2-chloro-3-(4-m...	207	C11H10ClNO	1010305-66-7	25
5	2-Oxopentacyclo[7.4.0.0(3,8).1(3...	208	C15H12O	113775-08-9	25





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Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG111622.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

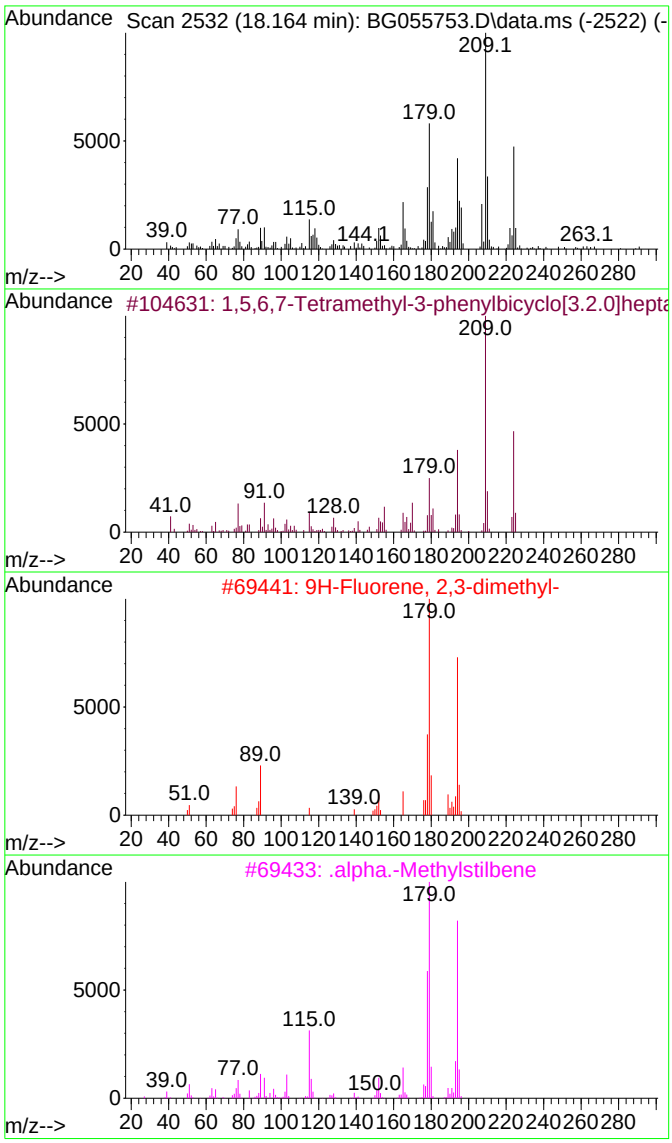
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

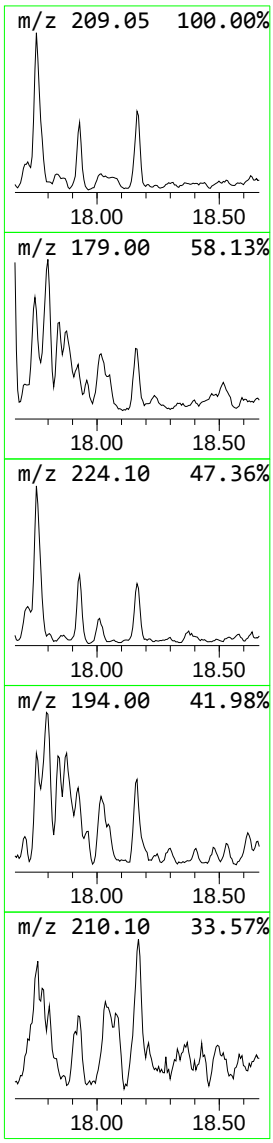
****

Peak Number 10 unknown18.164 Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.164	16.38 ng	501689	Phenanthrene-d10	17.611

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,5,6,7-Tetramethyl-3-phenylbicy...	224	C17H20	126584-00-7	64
2	9H-Fluorene, 2,3-dimethyl-	194	C15H14	004612-63-9	35
3	.alpha.-Methylstilbene	194	C15H14	000779-51-1	35
4	acetic acid, 2-[3-(1,1-dimethyle...	224	C12H16O4	1000400-87-9	30
5	[1,3]Oxazolo[4,5-c]pyridine-2-th...	224	C9H12N2OSSi	1010476-87-8	30





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

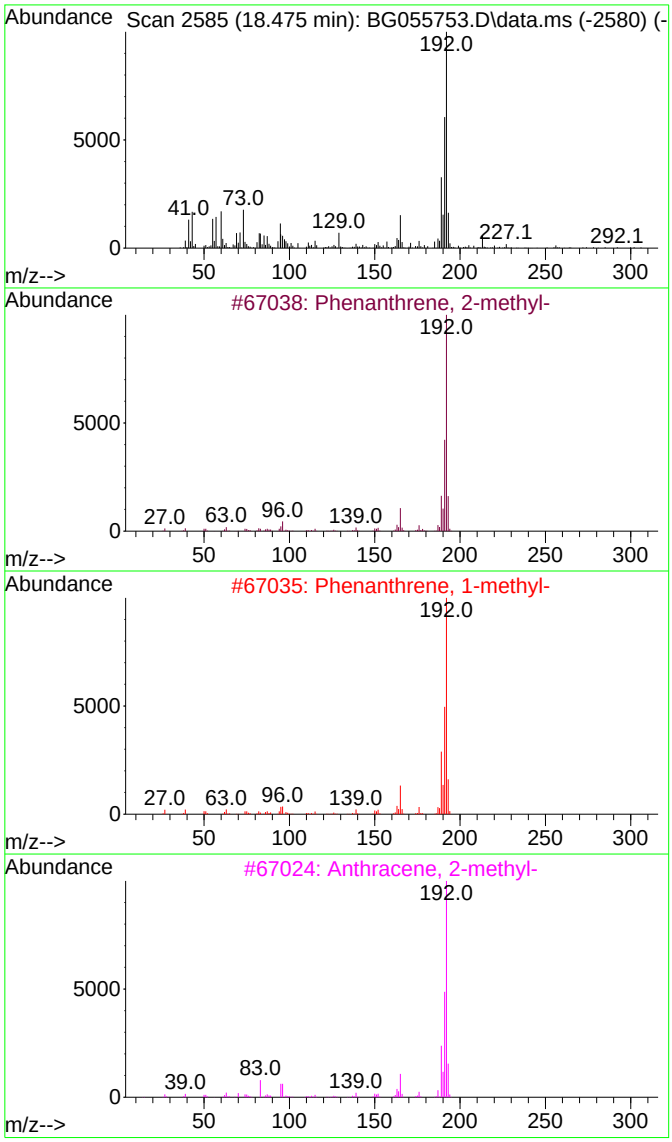
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

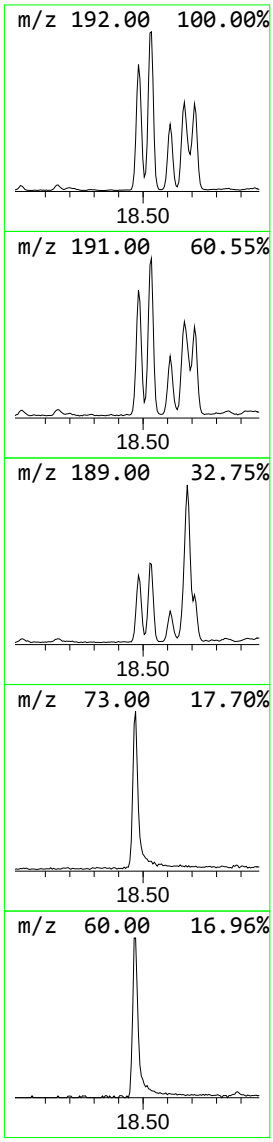
****

Peak Number 11 Phenanthrene, 2-methyl- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.475	22.29 ng	682682	Phenanthrene-d10	17.611

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	97
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	97
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
4	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	96
5	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	94





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ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
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Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG111622.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

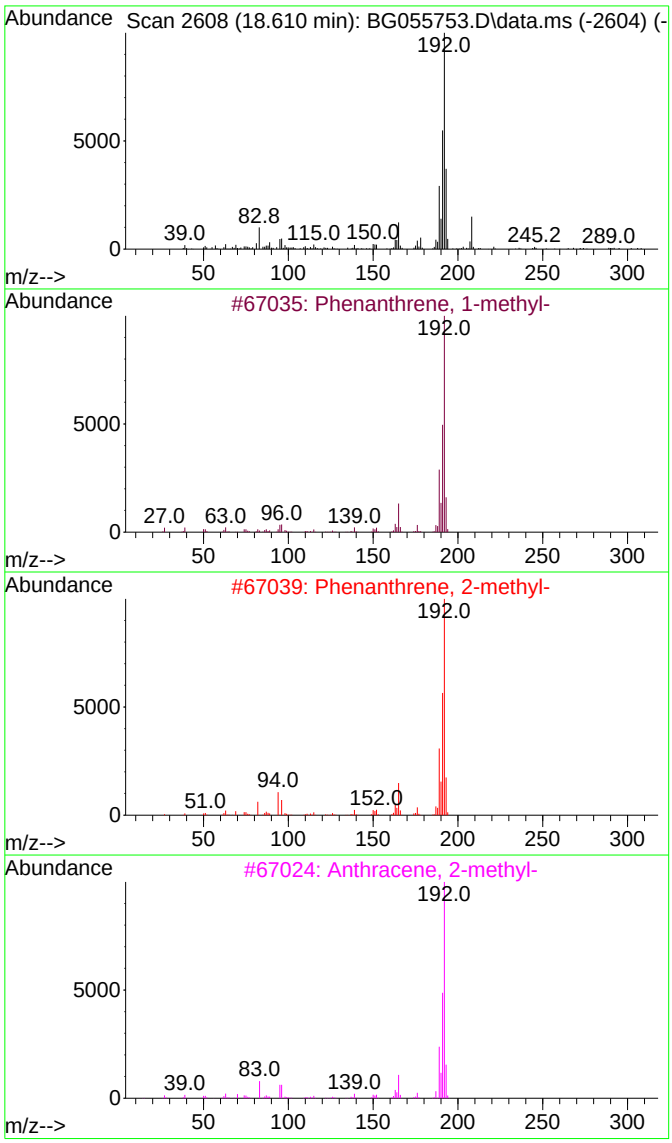
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

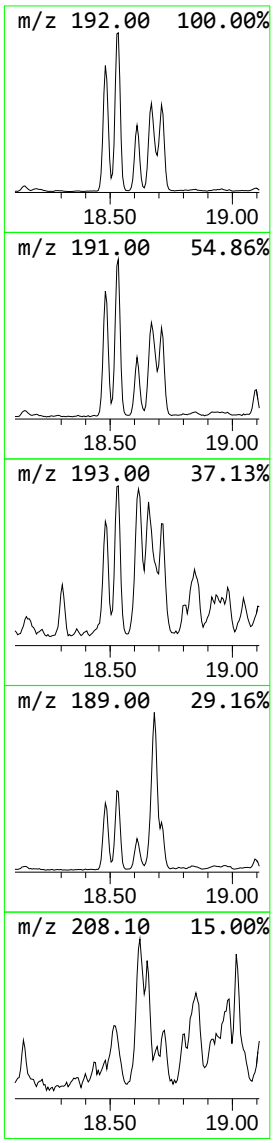
****

Peak Number 12 Phenanthrene, 1-methyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.610	7.55 ng	231378	Phenanthrene-d10	17.611

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	95
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	95
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	93
4	Anthracene, 1-methyl-	192	C15H12	000610-48-0	92
5	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	86





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Sample : N5664-02
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
B-2

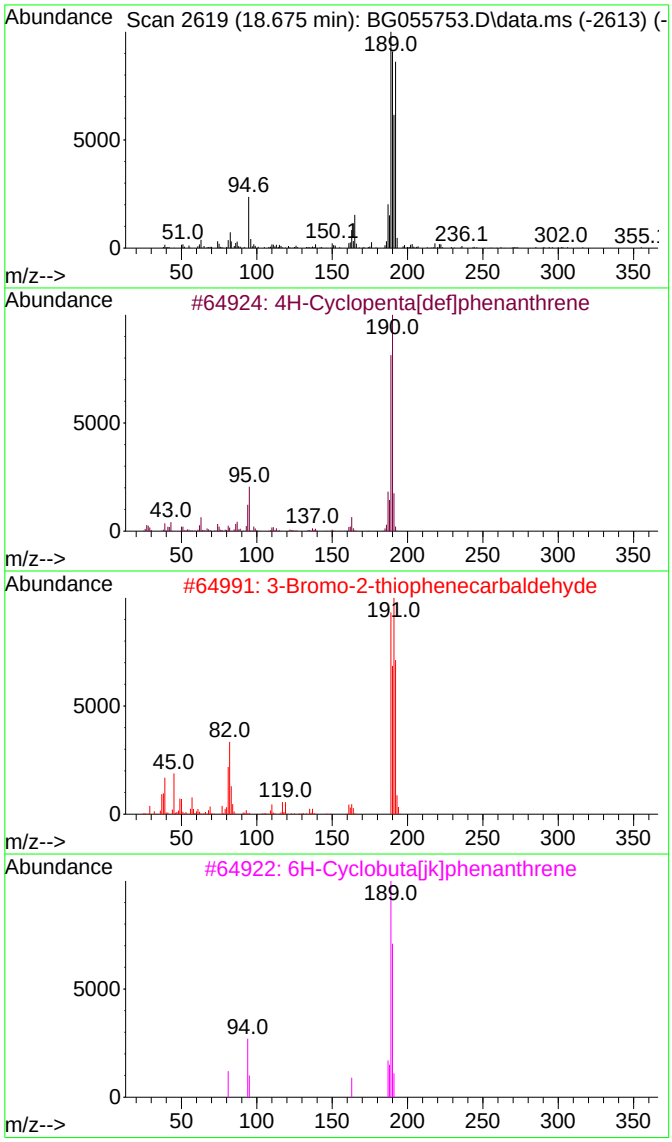
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG111622.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

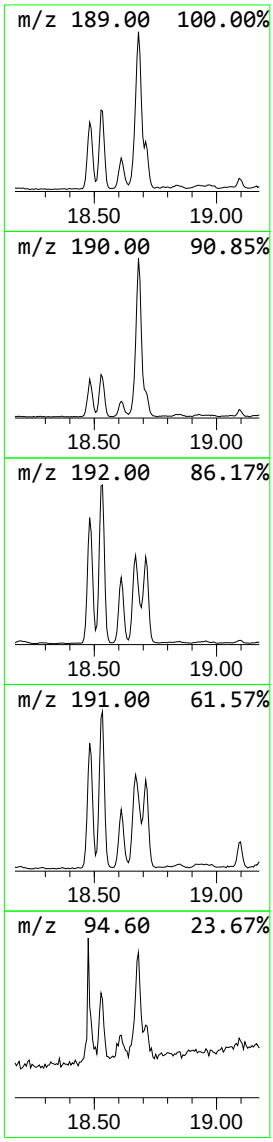
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 13 4H-Cyclopenta[def]phenanthrene Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.675	18.46 ng	565406	Phenanthrene-d10	17.611

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	55
2	3-Bromo-2-thiophenecarbaldehyde	190	C5H3BrOS	000930-96-1	53
3	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	49
4	4,6-Dichloro-2-ethylpyrimidin-5-...	191	C6H7Cl2N3	006237-96-3	47
5	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	38





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Sample : N5664-02
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
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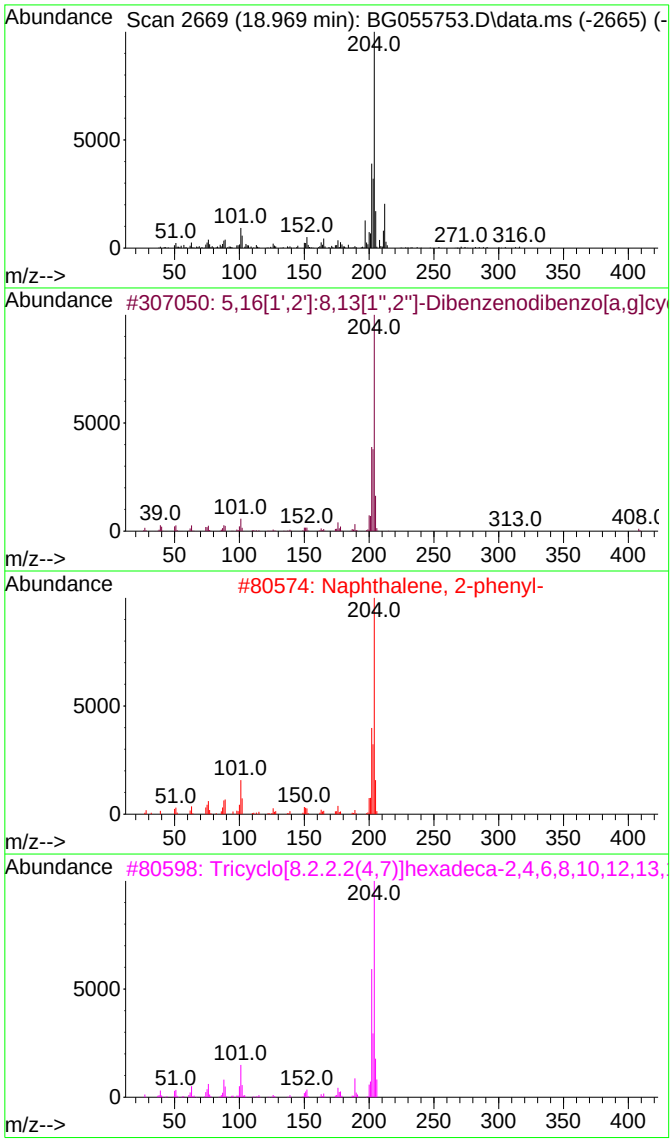
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG111622.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

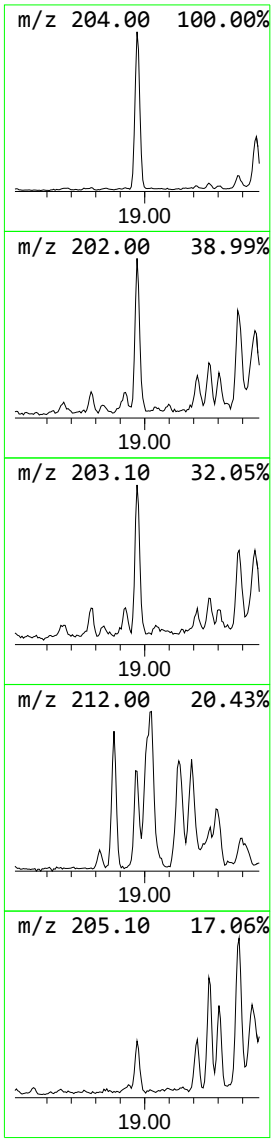
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 14 5,16[1',2']:8,13[1'',2'']-D... Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.969	6.95 ng	212919	Phenanthrene-d10	17.611

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	74
2	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	60
3	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	53
4	9,10-Bis(bromomethyl)anthracene	362	C16H12Br2	034373-96-1	47
5	3,4-Biphenyldicarbonitrile	204	C14H8N2	004128-63-6	43





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ALS Vial : 14 Sample Multiplier: 1

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

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

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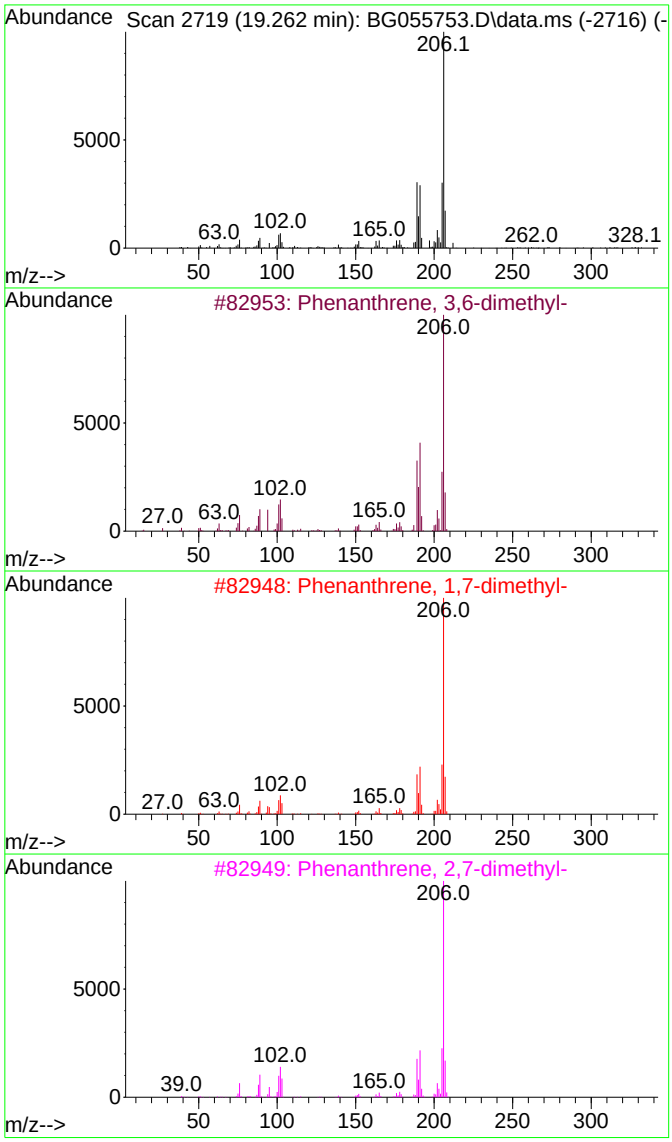
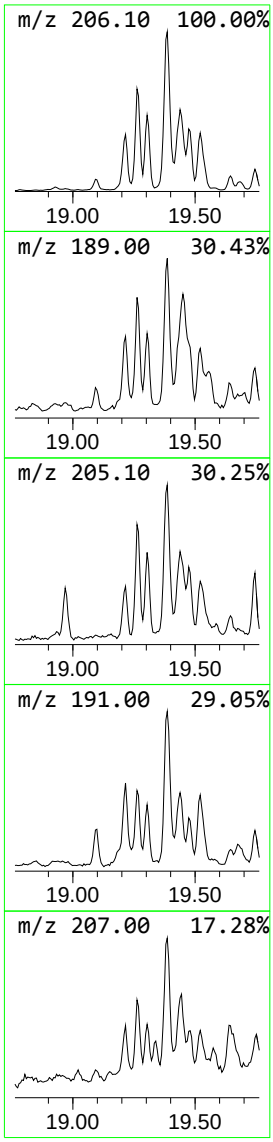
Peak Number 15 Phenanthrene, 3,6-dimethyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.262	7.50 ng	229785	Phenanthrene-d10	17.611

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	96
2	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	93
3	Phenanthrene, 2,7-dimethyl-	206	C16H14	001576-69-8	91
4	di-p-Tolylacetylene	206	C16H14	002789-88-0	90
5	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	87





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ALS Vial : 14 Sample Multiplier: 1

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

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

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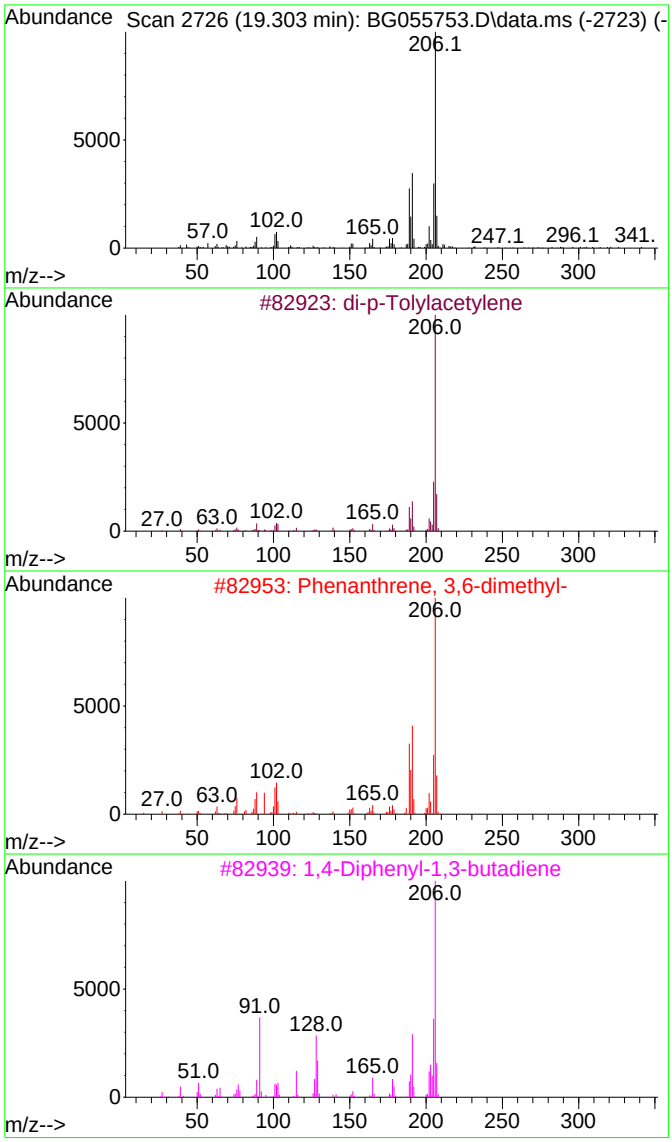
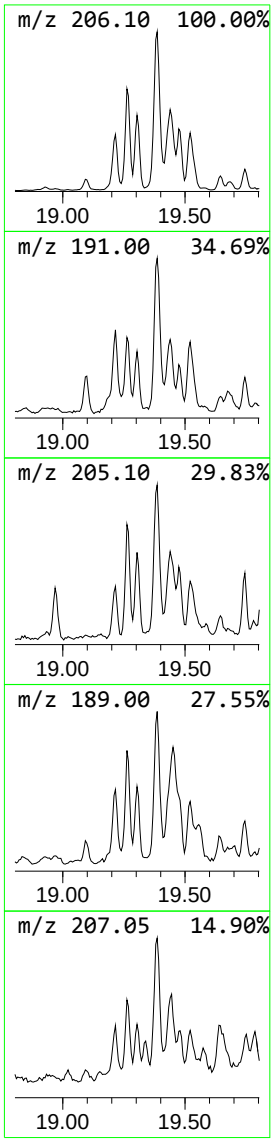
Peak Number 16 di-p-Tolylacetylene Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.304	5.17 ng	158293	Phenanthrene-d10	17.611

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	di-p-Tolylacetylene	206	C16H14	002789-88-0	94
2	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	91
3	1,4-Diphenyl-1,3-butadiene	206	C16H14	000886-65-7	83
4	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	83
5	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	81





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

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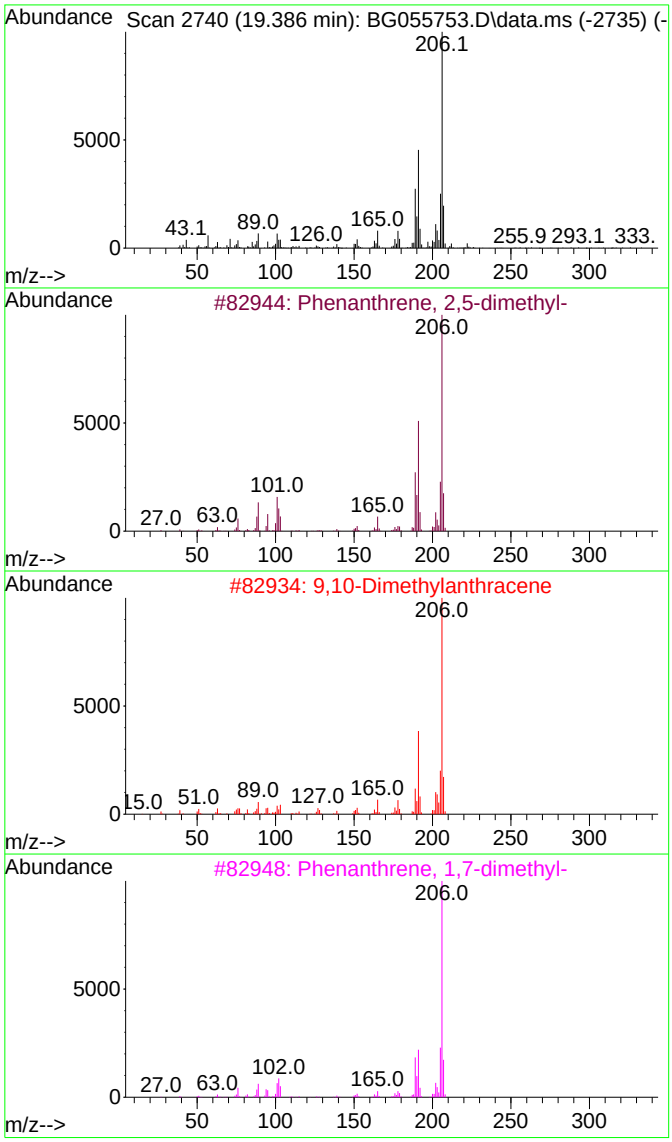
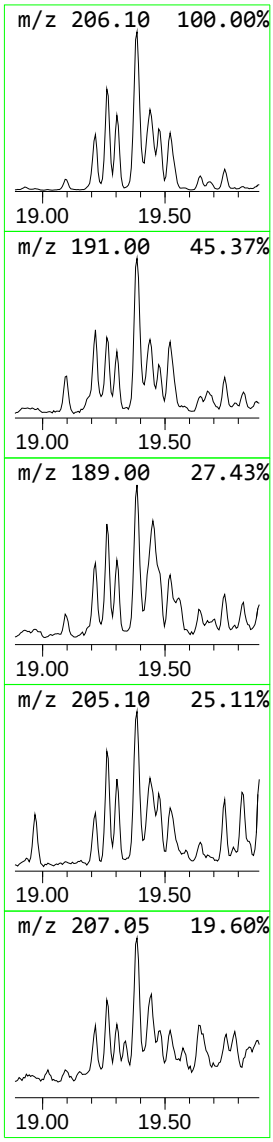
Peak Number 17 Phenanthrene, 2,5-dimethyl- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.386	19.98 ng	611845	Phenanthrene-d10	17.611

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	96
2	9,10-Dimethylanthracene	206	C16H14	000781-43-1	93
3	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	93
4	Anthracene, 1,4-dimethyl-	206	C16H14	000781-92-0	89
5	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	87





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG112222\
Data File : BG055753.D
Acq On : 23 Nov 2022 00:07
Operator : CG/JU
Sample : N5664-02
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
B-2

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG111622.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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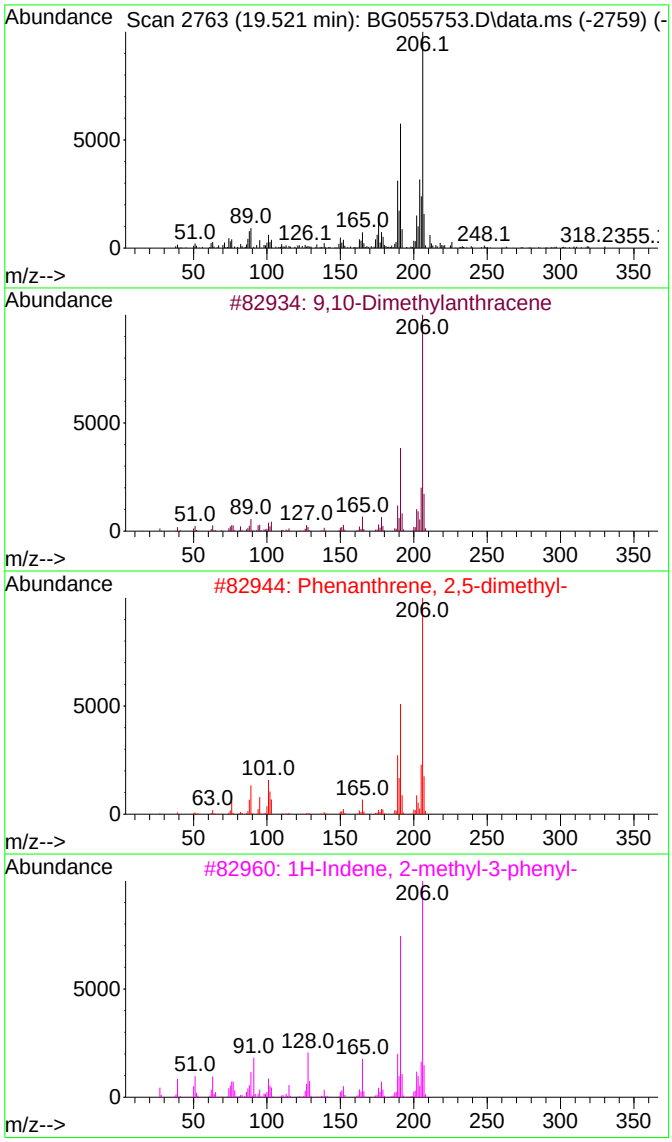
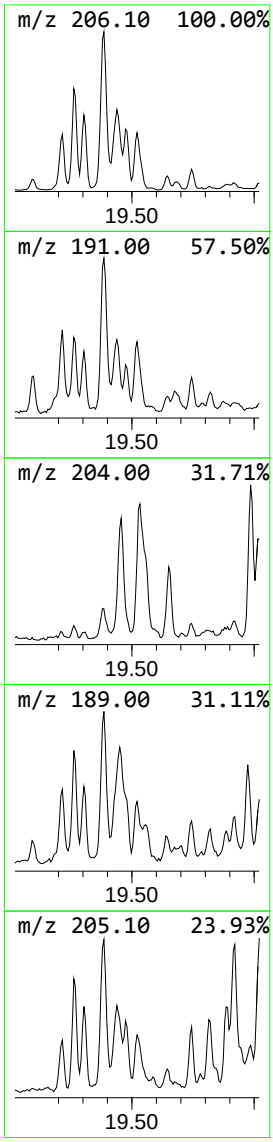
Peak Number 18 9,10-Dimethylanthracene Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.521	9.38 ng	287406	Phenanthrene-d10	17.611

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Dimethylanthracene	206	C16H14	000781-43-1	93
2	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	91
3	1H-Indene, 2-methyl-3-phenyl-	206	C16H14	035099-60-6	89
4	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	89
5	3,4-Dimethylphenanthrene	206	C16H14	1000452-24-5	87





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG112222\
Data File : BG055753.D
Acq On : 23 Nov 2022 00:07
Operator : CG/JU
Sample : N5664-02
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
B-2

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG111622.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

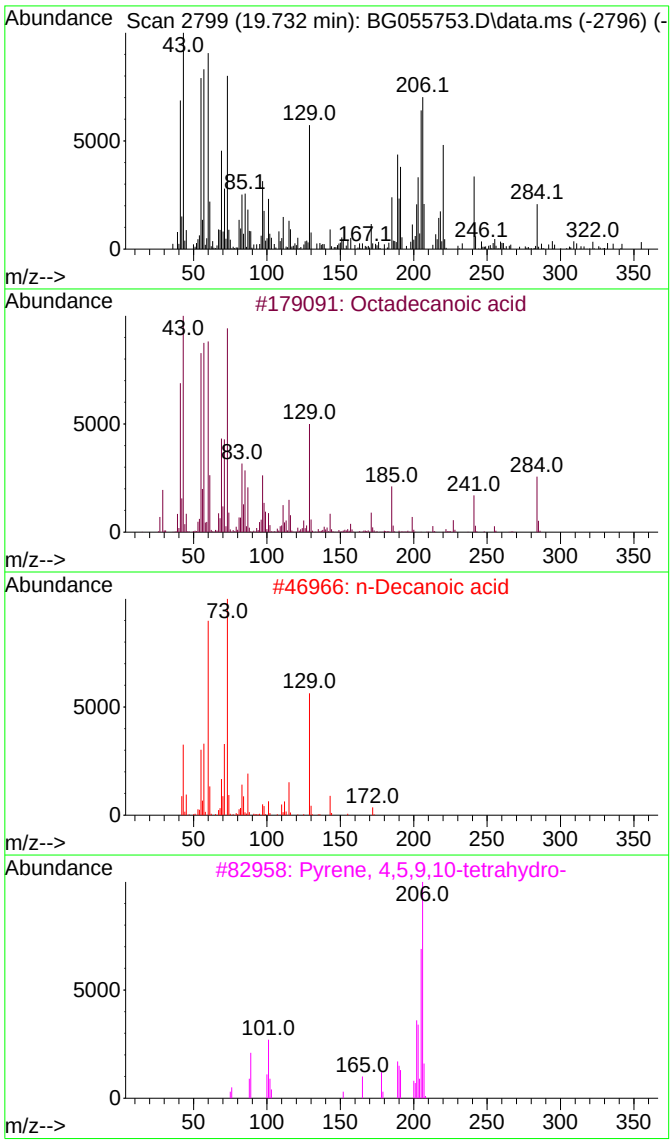
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

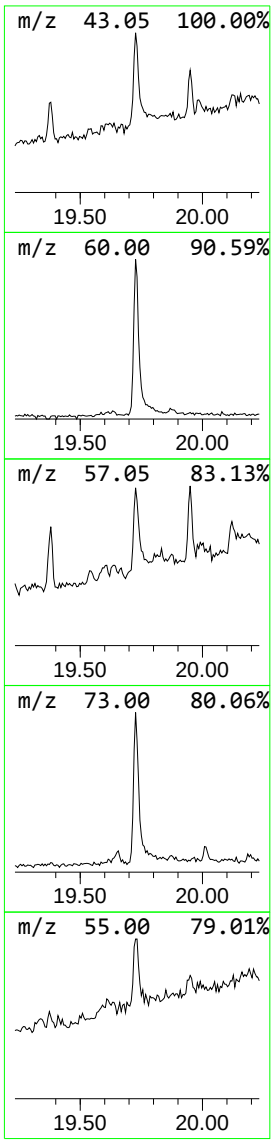
****

Peak Number 19 Octadecanoic acid Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.732	8.98 ng	275009	Phenanthrene-d10	17.611

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octadecanoic acid	284	C18H36O2	000057-11-4	55
2	n-Decanoic acid	172	C10H20O2	000334-48-5	35
3	Pyrene, 4,5,9,10-tetrahydro-	206	C16H14	000781-17-9	30
4	Undecanoic acid	186	C11H22O2	000112-37-8	25
5	di-p-Tolylacetylene	206	C16H14	002789-88-0	25





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG112222\
Data File : BG055753.D
Acq On : 23 Nov 2022 00:07
Operator : CG/JU
Sample : N5664-02
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
B-2

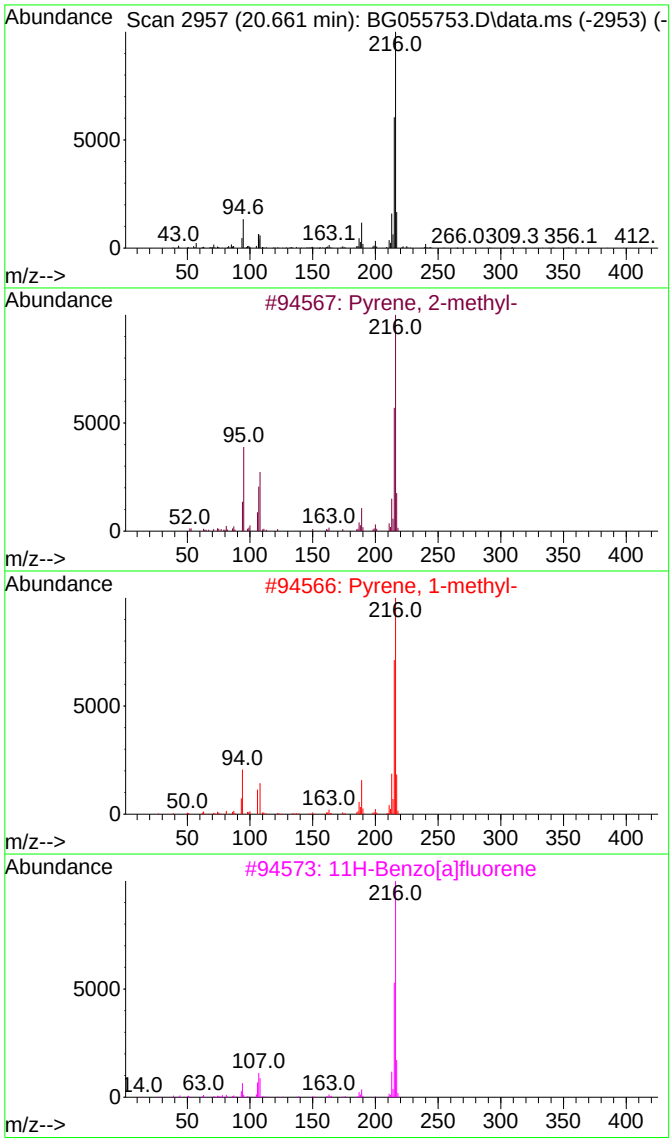
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG111622.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

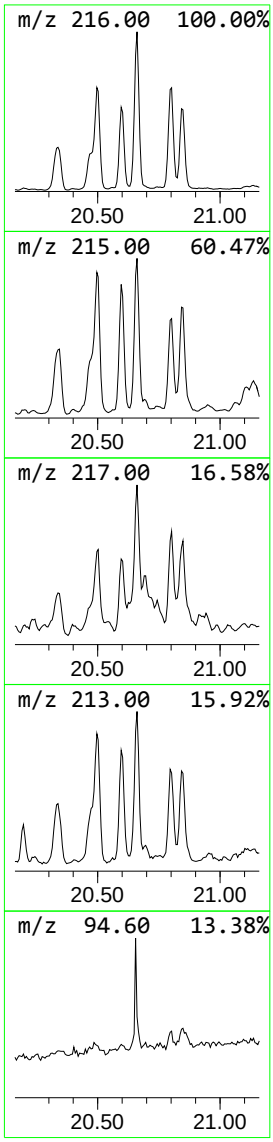
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 20 Pyrene, 2-methyl- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.661	5.34 ng	456413	Chrysene-d12	21.912

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 2-methyl-	216	C17H12	003442-78-2	96
2	Pyrene, 1-methyl-	216	C17H12	002381-21-7	95
3	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	91
4	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	87
5	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	86





Tentatively Identified Compound (LSC) summary

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG112222\
Data File : BG055753.D
Acq On : 23 Nov 2022 00:07
Operator : CG/JU
Sample : N5664-02
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
B-2

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG111622.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

					--Internal Standard---			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
2-Pentanone, 4-...	5.296	9.8	ng	125842	1	8.246	257717	20.0
2,4,6-Cyclohept...	16.195	6.0	ng	156094	3	14.868	518670	20.0
Chamazulene	16.571	5.6	ng	171334	4	17.611	612530	20.0
Naphthalene, 1,...	16.718	5.5	ng	169831	4	17.611	612530	20.0
9H-Fluorene, 2-...	16.895	7.0	ng	213408	4	17.611	612530	20.0
2-Amino-5-isopr...	17.312	6.6	ng	203285	4	17.611	612530	20.0
Tris(2-chloropr...	17.335	10.4	ng	318035	4	17.611	612530	20.0
1,5,6,7-Tetrame...	17.929	5.3	ng	161608	4	17.611	612530	20.0
unknown18.005	18.005	8.3	ng	254608	4	17.611	612530	20.0
unknown18.164	18.164	16.4	ng	501689	4	17.611	612530	20.0
Phenanthrene, 2...	18.475	22.3	ng	682682	4	17.611	612530	20.0
Phenanthrene, 1...	18.610	7.5	ng	231378	4	17.611	612530	20.0
4H-Cyclopenta[d...	18.675	18.5	ng	565406	4	17.611	612530	20.0
5,16[1',2']:8,1...	18.969	7.0	ng	212919	4	17.611	612530	20.0
Phenanthrene, 3...	19.262	7.5	ng	229785	4	17.611	612530	20.0
di-p-Tolylacety...	19.304	5.2	ng	158293	4	17.611	612530	20.0
Phenanthrene, 2...	19.386	20.0	ng	611845	4	17.611	612530	20.0
9,10-Dimethylan...	19.521	9.4	ng	287406	4	17.611	612530	20.0
Octadecanoic acid	19.732	9.0	ng	275009	4	17.611	612530	20.0
Pyrene, 2-methyl-	20.661	5.3	ng	456413	5	21.912	1710960	20.0