LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG102221\
Data File : BG050702.D
Acq On : 22 Oct 2021 23:46
Operator : CG/JU
Sample : M4283-01 2X
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : VNJ-231

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-BG100621.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BG050702.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	5.796	386	393	407	rBV	394278	709094	41.93%	4.116%
2	7.400	658	666	676	rBV	408478	767582	45.39%	4.456%
3	8.252	804	811	819	rBV	198243	353875	20.93%	2.054%
4	9.421	1001	1010	1021	rBV	260426	498874	29.50%	2.896%
5	10.820	1242	1248	1260	rBV2	40145	84808	5.02%	0.492%
6	11.078	1285	1292	1298	rBV	279281	511779	30.26%	2.971%
7	11.125	1298	1300	1308	rVB2	18695	29758	1.76%	0.173%
8	12.717	1566	1571	1580	rVB2	23601	39449	2.33%	0.229%
9	12.935	1602	1608	1613	rVB	19473	33964	2.01%	0.197%
10	13.493	1695	1703	1712	rBV	602275	952431	56.32%	5.529%
11	13.710	1736	1740	1748	rVB	19075	29763	1.76%	0.173%
12	13.904	1768	1773	1781	rBV3	8442	17323	1.02%	0.101%
13	14.033	1790	1795	1804	rVB3	24989	61602	3.64%	0.358%
14	14.192	1815	1822	1827	rBV3	45590	83867	4.96%	0.487%
15	14.245	1827	1831	1836	rVB2	27676	42767	2.53%	0.248%
16	14.427	1858	1862	1866	rBV2	19966	30664	1.81%	0.178%
17	14.597	1886	1891	1897	rBV3	17282	29474	1.74%	0.171%
18	14.874	1932	1938	1943	rVB	380128	607311	35.91%	3.525%
19	14.938	1943	1949	1955	rVB	359216	577258	34.14%	3.351%
20	15.068	1965	1971	1980	rBV5	12133	30205	1.79%	0.175%
21	15.173	1980	1989	1998	rBV2	32321	68913	4.08%	0.400%
22	15.267	1998	2005	2012	rVB	223974	361938	21.40%	2.101%
23	15.338	2012	2017	2024	rVB4	21732	36471	2.16%	0.212%
24	15.473	2035	2040	2045	rBV3	21224	41149	2.43%	0.239%
25	15.538	2045	2051	2057	rVB3	12715	23542	1.39%	0.137%
26	15.649	2062	2070	2072	rBV7	17329	36358	2.15%	0.211%
27	15.684	2073	2076	2079	rVB4	16197	19879	1.18%	0.115%
28	15.820	2096	2099	2105	rVB5	12681	20533	1.21%	0.119%
29	15.914	2108	2115	2126	rBV	310523	497166	29.40%	2.886%
30	16.008	2126	2131	2133	rBV5	23251	37549	2.22%	0.218%
31	16.037	2133	2136	2139	rVV3	36719	60164	3.56%	0.349%
32	16.078	2139	2143	2148	rVV5	50828	90477	5.35%	0.525%
33	16.125	2148	2151	2154	rVV4	18006	27054	1.60%	0.157%
34	16.166	2154	2158	2160	rVV2	23695	37426	2.21%	0.217%
35	16.201	2160	2164	2170	rVB	75943	125486	7.42%	0.728%
36	16.354	2184	2190	2198	rBV	411797	736156	43.53%	4.273%

LSC Area Percent Report

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Acq On : 22 Oct 2021 23:46
Operator : CG/JU
Sample : M4283-01 2X
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : VNJ-231

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-BG100621.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

37	16.560	2219	2225	2236	rVB6	38654	107339	6.35%	0.623%
38	16.713	2247	2251	2255	rBV6	11496	18235	1.08%	0.106%
39	16.918	2276	2286	2290	rBV3	45203	105183	6.22%	0.611%
40	17.065	2308	2311	2316	rVB	21269	30591	1.81%	0.178%
41	17.142	2317	2324	2326	rBV4	26472	53731	3.18%	0.312%
42	17.271	2342	2346	2352	rVB	40699	63321	3.74%	0.368%
43	17.335	2353	2357	2361	rVV3	37558	65558	3.88%	0.381%
44	17.388	2363	2366	2369	rVV	35343	49434	2.92%	0.287%
45	17.435	2370	2374	2381	rVB	72524	114811	6.79%	0.666%
46	17.617	2399	2405	2408	rBV	409748	636722	37.65%	3.696%
47	17.659	2408	2412	2418	rVB	739244	1136953	67.24%	6.600%
48	17.753	2423	2428	2433	rVB	205862	305304	18.05%	1.772%
49	18.011	2467	2472	2479	rBV2	41605	88632	5.24%	0.514%
50	18.135	2489	2493	2500	rBV2	26245	40243	2.38%	0.234%
51	18.487	2549	2553	2557	rBV	80007	111104	6.57%	0.645%
52	18.534	2557	2561	2566	rVB	108663	164885	9.75%	0.957%
53	18.616	2572	2575	2580	rVB	54187	72701	4.30%	0.422%
54	18.687	2581	2587	2591	rBV2	179168	342079	20.23%	1.986%
55	18.975	2633	2636	2640	rBV	62773	80493	4.76%	0.467%
56	19.386	2703	2706	2711	rBV2	54359	86675	5.13%	0.503%
57	19.539	2729	2732	2739	rVB	61080	83114	4.92%	0.482%
58	19.662	2747	2753	2758	rVB	1152834	1691008	100.00%	9.816%
59	19.985	2804	2808	2810	rBV2	166214	251808	14.89%	1.462%
60	20.021	2810	2814	2821	rVB	813864	1217254	71.98%	7.066%
61	20.203	2840	2845	2850	rVB	741569	986944	58.36%	5.729%
62	20.602	2910	2913	2917	rBV	97766	120533	7.13%	0.700%
63	21.912	3129	3136	3142	rBV2	387516	1062698	62.84%	6.169%
64	21.971	3142	3146	3152	rVB	251039	427367	25.27%	2.481%

Sum of corrected areas: 17226829

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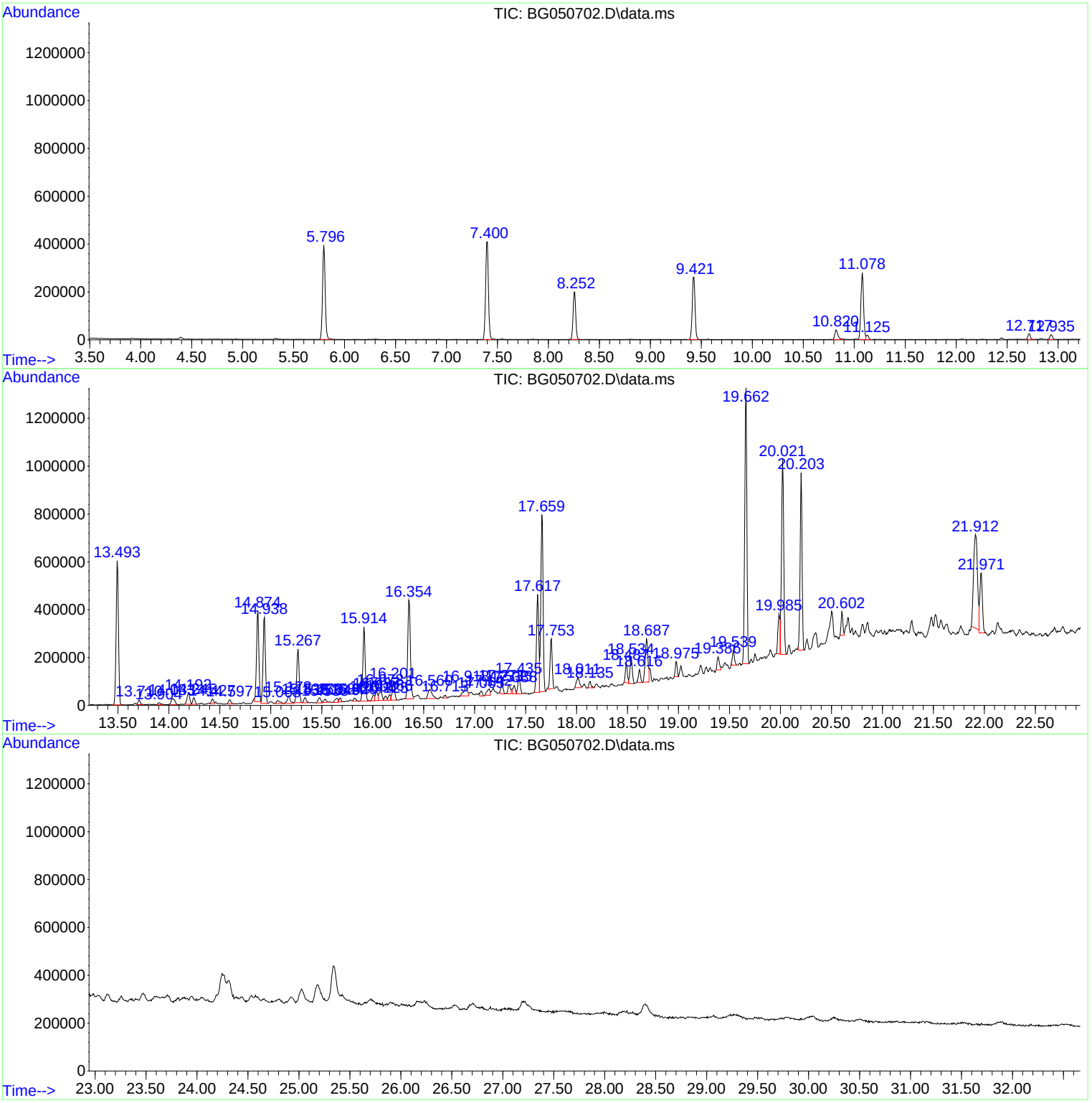
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
VNJ-231

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG100621.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\BG102221\
Data File : BG050702.D
Acq On : 22 Oct 2021 23:46
Operator : CG/JU
Sample : M4283-01 2X
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
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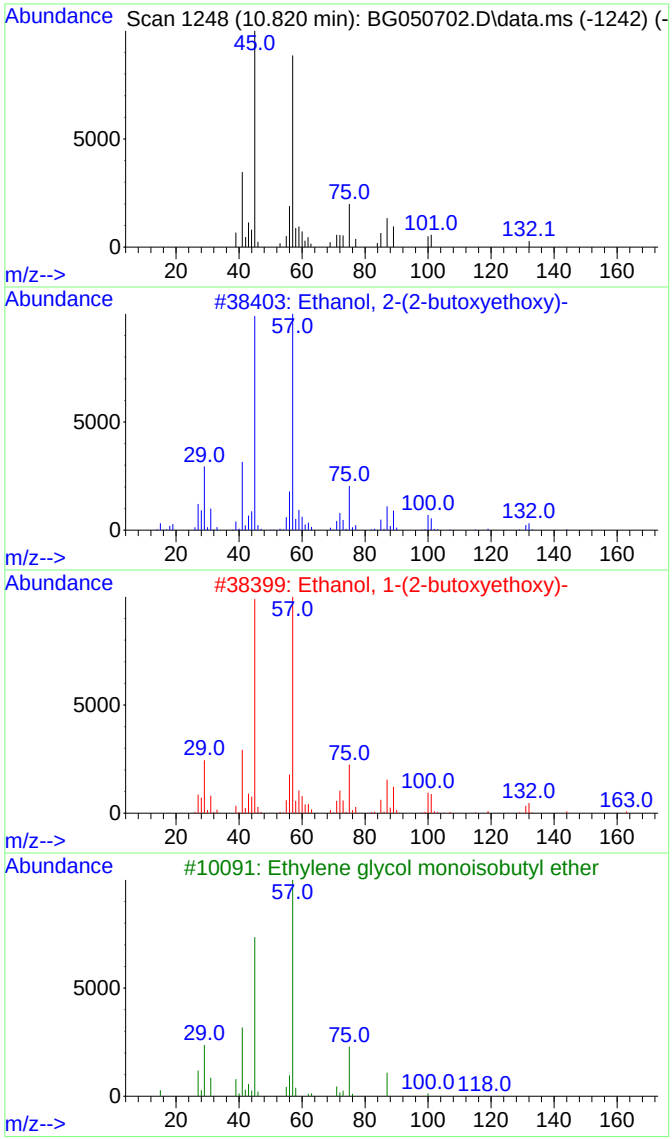
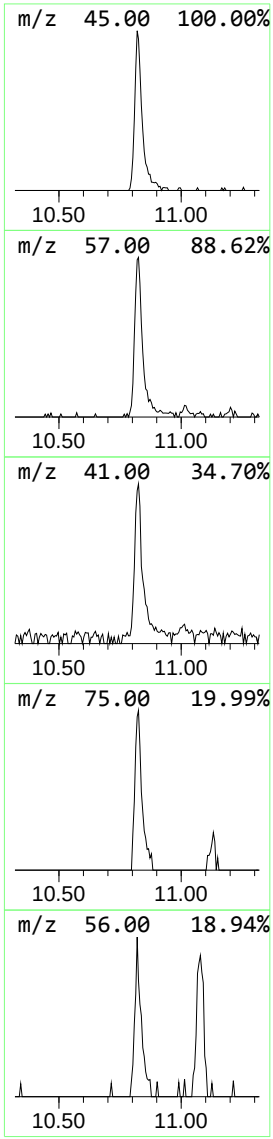
****

Peak Number 1 Ethanol, 2-(2-butoxyethoxy)- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.820	3.31 ng	84808	Naphthalene-d8	11.078

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Ethanol, 2-(2-butoxyethoxy)-	162	C8H18O3	000112-34-5	90
2	Ethanol, 1-(2-butoxyethoxy)-	162	C8H18O3	054446-78-5	50
3	Ethylene glycol monoisobutyl ether	118	C6H14O2	004439-24-1	45
4	Ethanol, 2-[2-(2-methylpropoxy)e...	162	C8H18O3	018912-80-6	45
5	Methoxyacetic acid, heptyl ester	188	C10H20O3	168920-36-3	43





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG102221\
Data File : BG050702.D
Acq On : 22 Oct 2021 23:46
Operator : CG/JU
Sample : M4283-01 2X
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : VNJ-231

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG100621.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

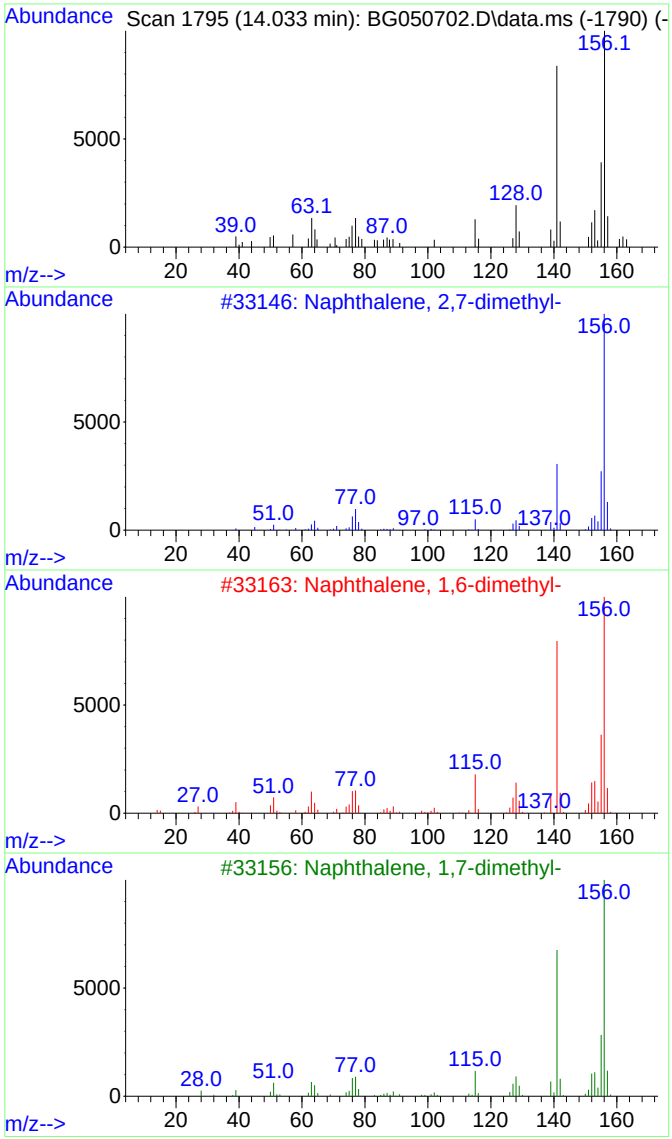
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

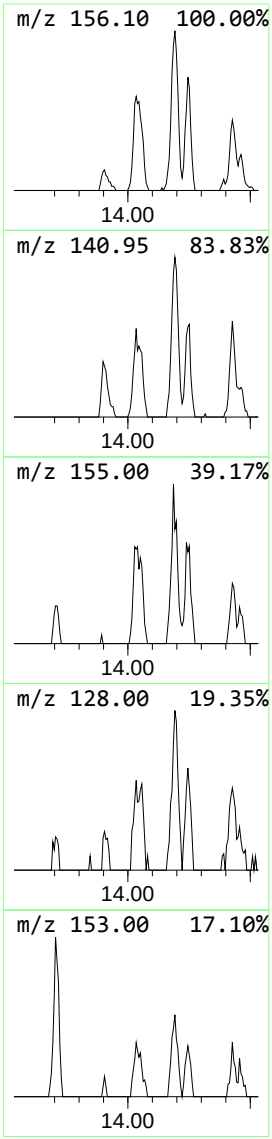
****

Peak Number 2 Naphthalene, 2,7-dimethyl- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.034	2.03 ng	61602	Acenaphthene-d10	14.874

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	94
2	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	93
3	Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	93
4	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	93
5	Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	90





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG102221\
Data File : BG050702.D
Acq On : 22 Oct 2021 23:46
Operator : CG/JU
Sample : M4283-01 2X
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
VNJ-231

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG100621.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

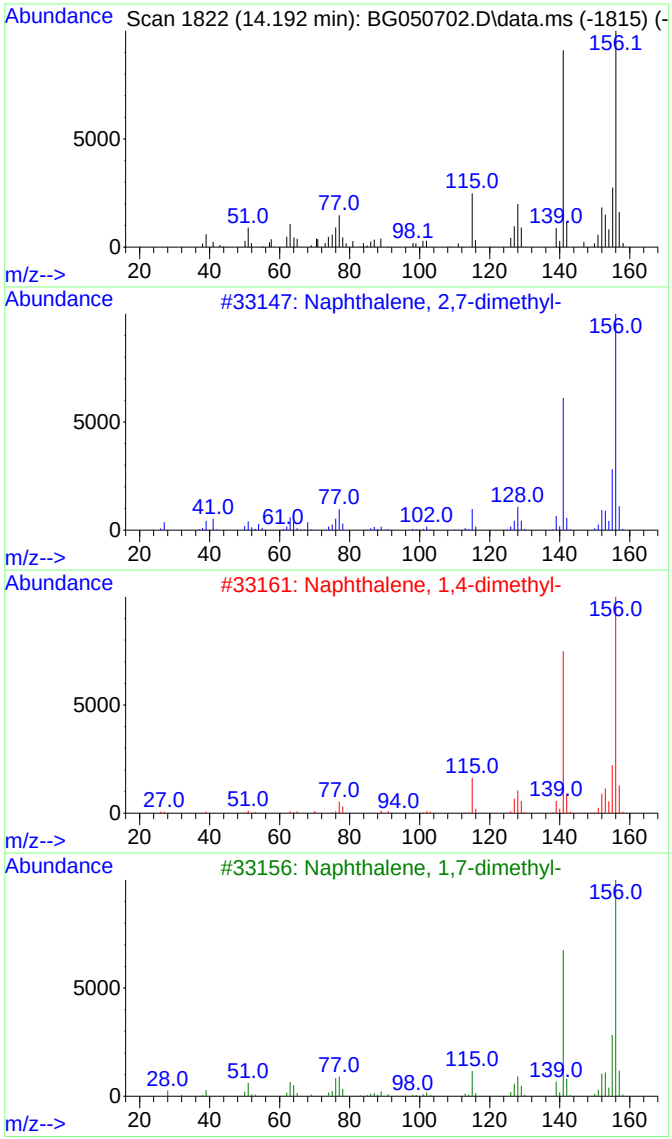
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

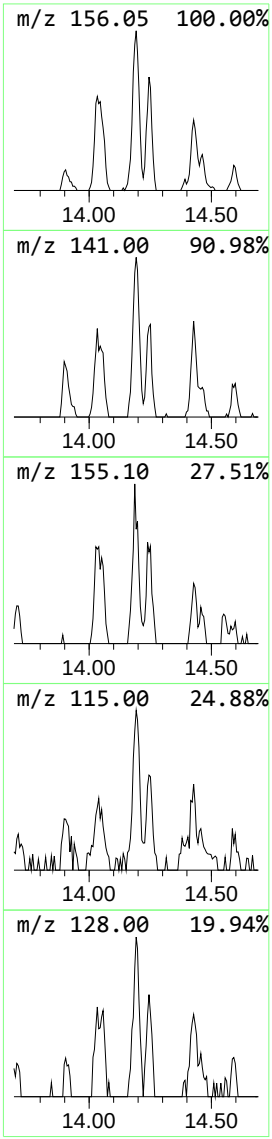
****

Peak Number 3 Naphthalene, 1,4-dimethyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.192	2.76 ng	83867	Acenaphthene-d10	14.874

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	96
2	Naphthalene, 1,4-dimethyl-	156	C12H12	000571-58-4	96
3	Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	96
4	Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	95
5	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	95





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG102221\
Data File : BG050702.D
Acq On : 22 Oct 2021 23:46
Operator : CG/JU
Sample : M4283-01 2X
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : VNJ-231

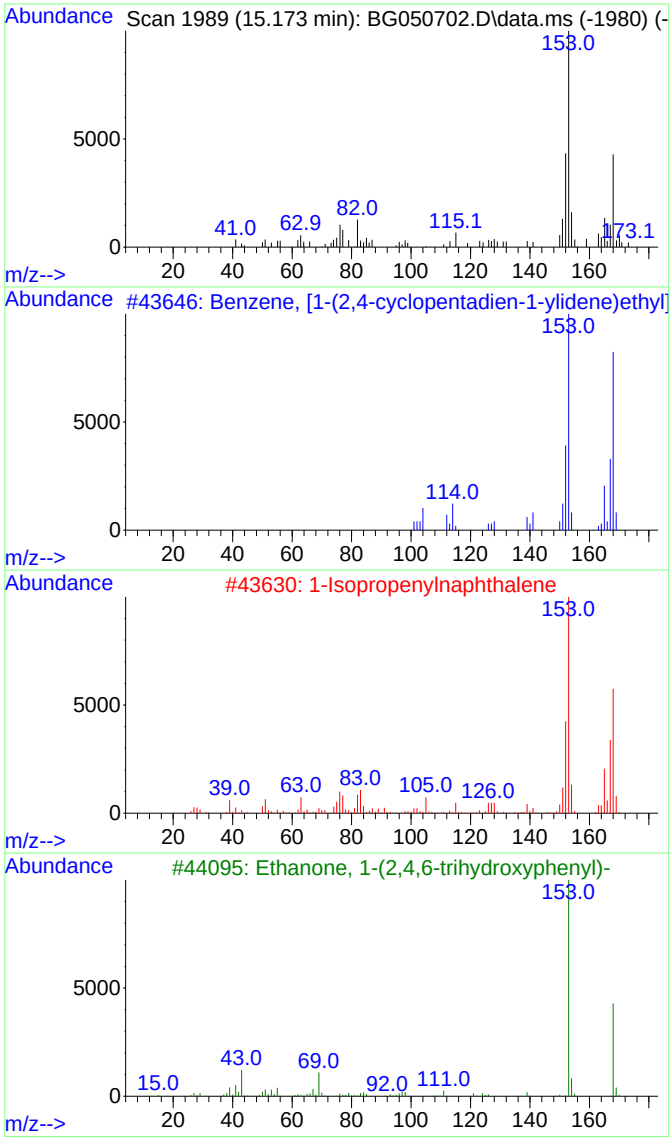
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG100621.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

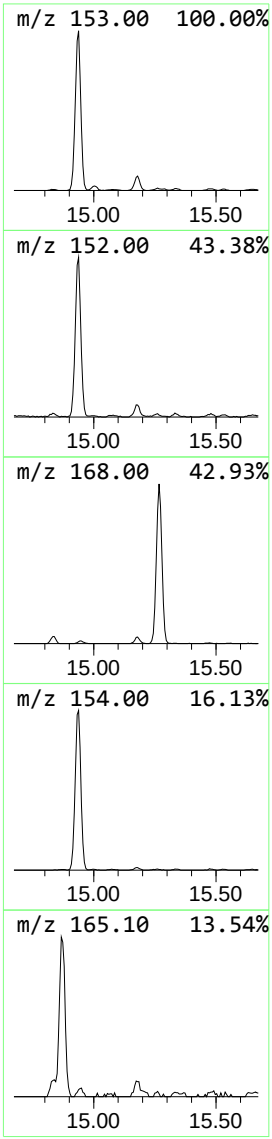
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 4 Benzene, [1-(2,4-cyclopenta... Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.173	2.27 ng	68913	Acenaphthene-d10	14.874

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, [1-(2,4-cyclopentadien-...	168	C13H12	002320-32-3	80
2	1-Isopropenylnaphthalene	168	C13H12	001855-47-6	72
3	Ethanone, 1-(2,4,6-trihydroxyphe...	168	C8H8O4	000480-66-0	49
4	Ethanone, 1-(2,3,4-trihydroxyphe...	168	C8H8O4	000528-21-2	47
5	Acetophenone, 3'-fluoro-4'-methoxy-	168	C9H9FO2	000455-91-4	43





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG102221\
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Operator : CG/JU
Sample : M4283-01 2X
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
VNJ-231

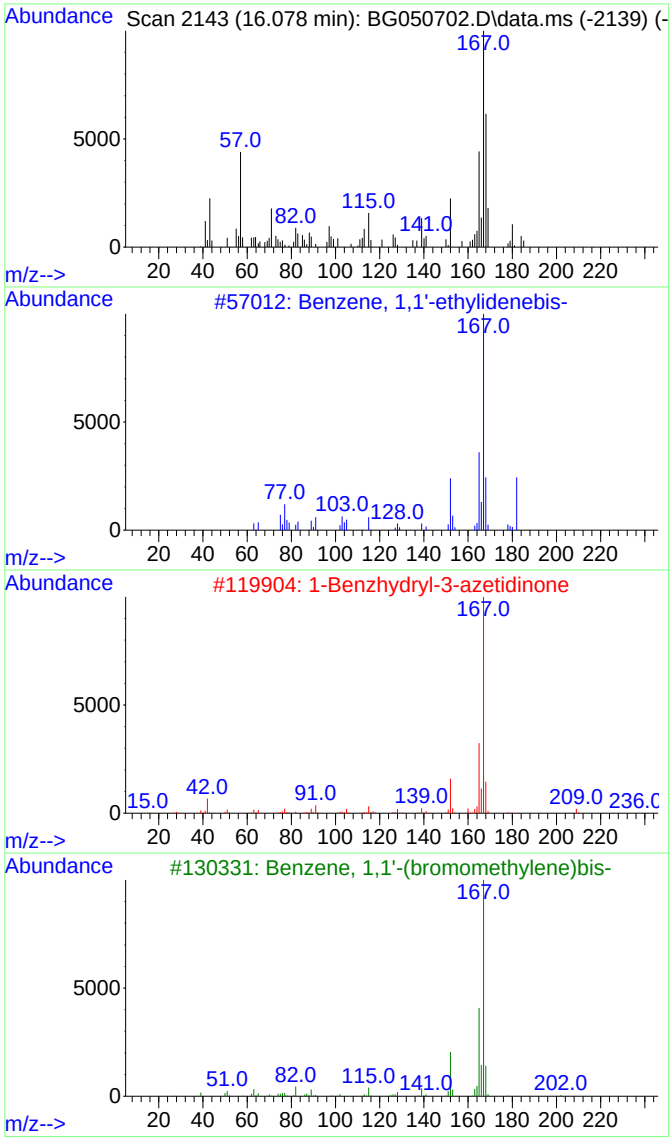
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG100621.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

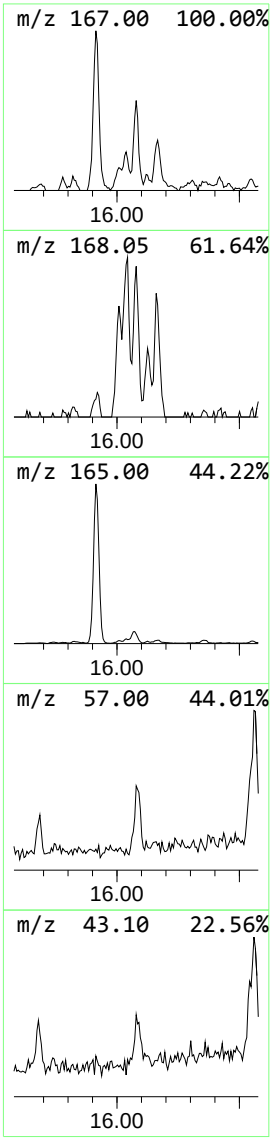
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 5 Benzene, 1,1'-ethylidenebis- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.078	2.98 ng	90477	Acenaphthene-d10	14.874

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,1'-ethylidenebis-	182	C14H14	000612-00-0	53
2	1-Benzhydryl-3-azetidinone	237	C16H15NO	040320-60-3	53
3	Benzene, 1,1'-(bromomethylene)bis-	246	C13H11Br	000776-74-9	53
4	Diphenylmethoxy acetic acid	242	C15H14O3	021409-25-6	53
5	Benzhydryl isothiocyanate	225	C14H11NS	003550-21-8	53





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ClientSampleId : VNJ-231

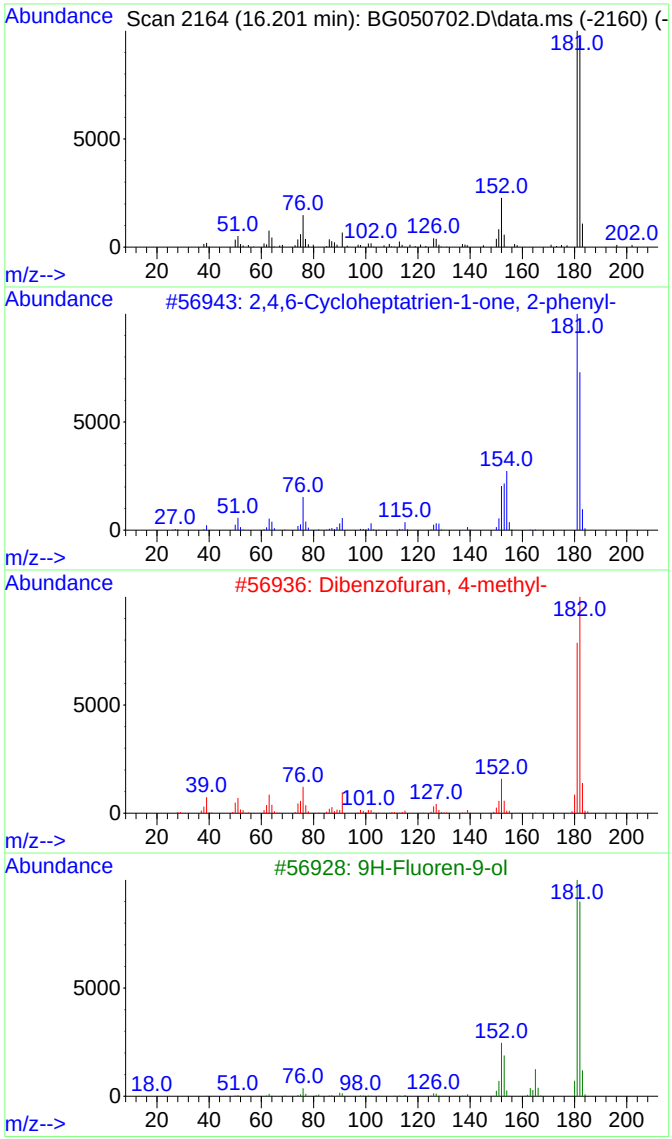
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG100621.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

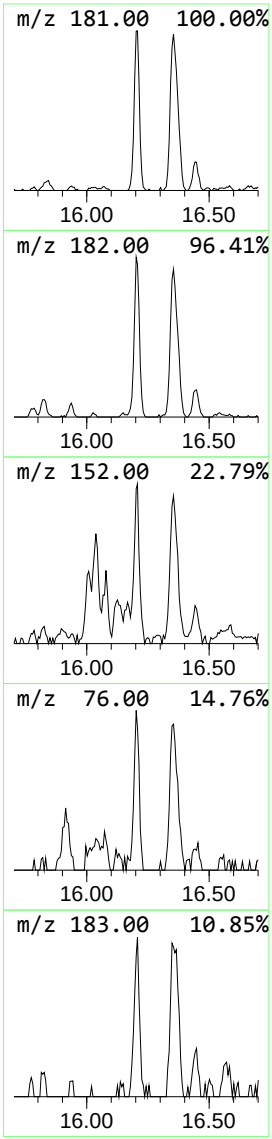
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 6 2,4,6-Cycloheptatrien-1-one... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.201	4.13 ng	125486	Acenaphthene-d10	14.874

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2,4,6-Cycloheptatrien-1-one, 2-p...	182	C13H10O	014562-09-5	91
2	Dibenzofuran, 4-methyl-	182	C13H10O	007320-53-8	78
3	9H-Fluoren-9-ol	182	C13H10O	001689-64-1	78
4	[1,1'-Biphenyl]-4-carboxaldehyde	182	C13H10O	003218-36-8	72
5	Pyrido[2,3-b]indole, 6-methyl-	182	C12H10N2	108349-67-3	64





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG102221\
Data File : BG050702.D
Acq On : 22 Oct 2021 23:46
Operator : CG/JU
Sample : M4283-01 2X
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : VNJ-231

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG100621.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

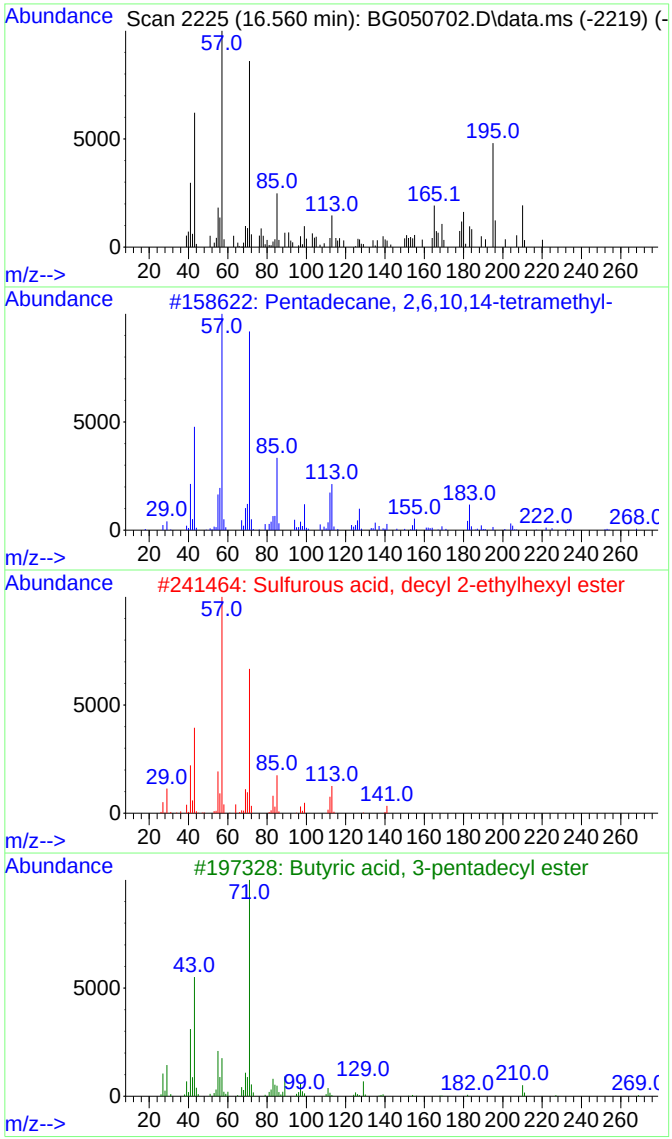
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

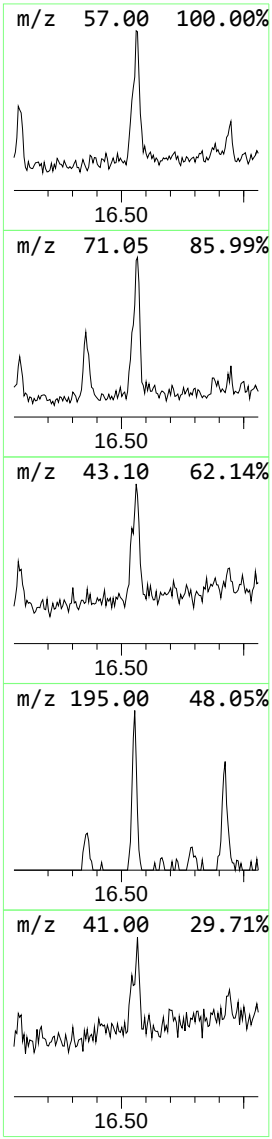
****

Peak Number 7 unknown16.560 Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.560	3.37 ng	107339	Phenanthrene-d10	17.618

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentadecane, 2,6,10,14-tetramethyl-	268	C19H40	001921-70-6	38
2	Sulfurous acid, decyl 2-ethylhex...	334	C18H38O3S	1000309-19-3	30
3	Butyric acid, 3-pentadecyl ester	298	C19H38O2	1000280-57-3	27
4	4-Hexen-3-ol	100	C6H12O	004798-58-7	27
5	Heptafluorobutyric acid, 2-tetra...	298	C9H9F7O3	1000216-78-5	27





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Operator : CG/JU
Sample : M4283-01 2X
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : VNJ-231

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG100621.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

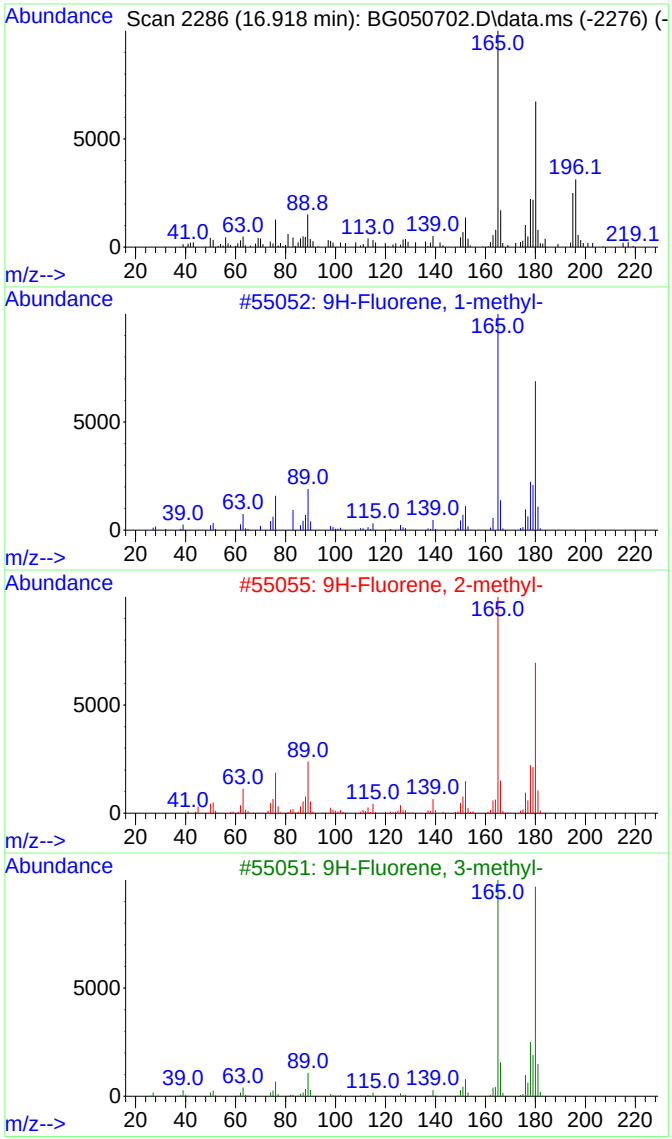
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

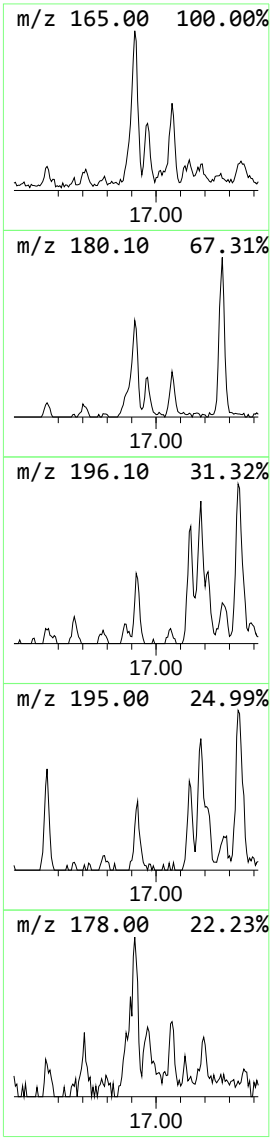
****

Peak Number 8 9H-Fluorene, 1-methyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.918	3.30 ng	105183	Phenanthrene-d10	17.618

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	95
2	9H-Fluorene, 2-methyl-	180	C14H12	001430-97-3	92
3	9H-Fluorene, 3-methyl-	180	C14H12	002523-39-9	78
4	9H-Fluorene, 9-methyl-	180	C14H12	002523-37-7	64
5	4a,9a-Methano-9H-fluorene	180	C14H12	019540-84-2	60





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Sample : M4283-01 2X
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : VNJ-231

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG100621.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

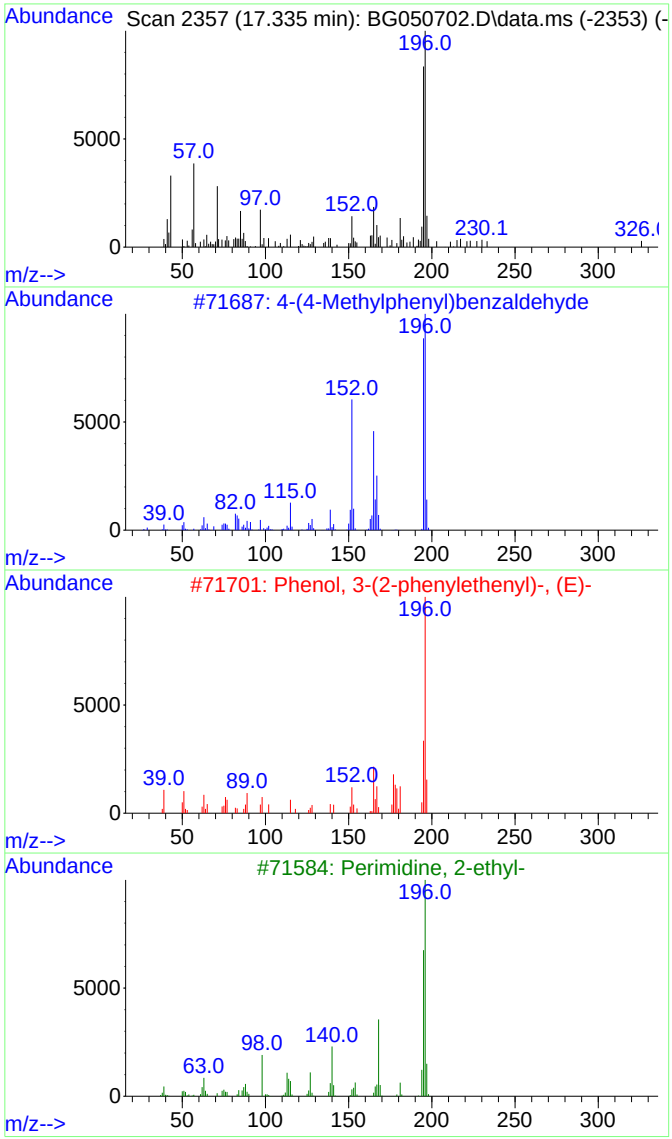
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

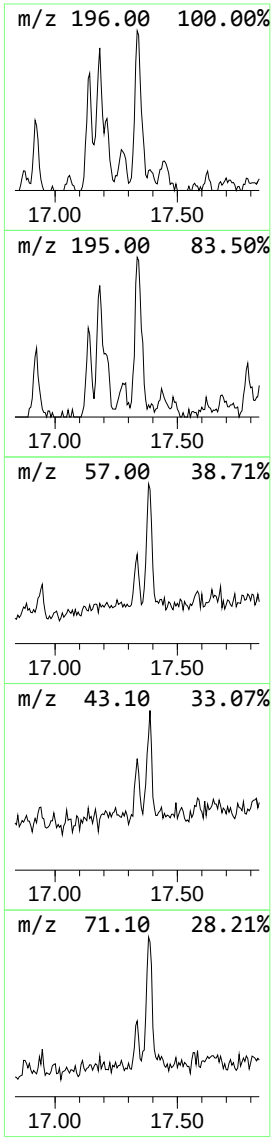
****

Peak Number 9 4-(4-Methylphenyl)benzaldehyde Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.336	2.06 ng	65558	Phenanthrene-d10	17.618

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4-(4-Methylphenyl)benzaldehyde	196	C14H12O	036393-42-7	83
2	Phenol, 3-(2-phenylethenyl)-, (E)-	196	C14H12O	017861-18-6	64
3	Perimidine, 2-ethyl-	196	C13H12N2	028478-13-9	64
4	Phenol, 4-(2-phenylethenyl)-	196	C14H12O	003839-46-1	58
5	2-[2-Phenylethenyl]phenol	196	C14H12O	042224-48-6	53





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Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
VNJ-231

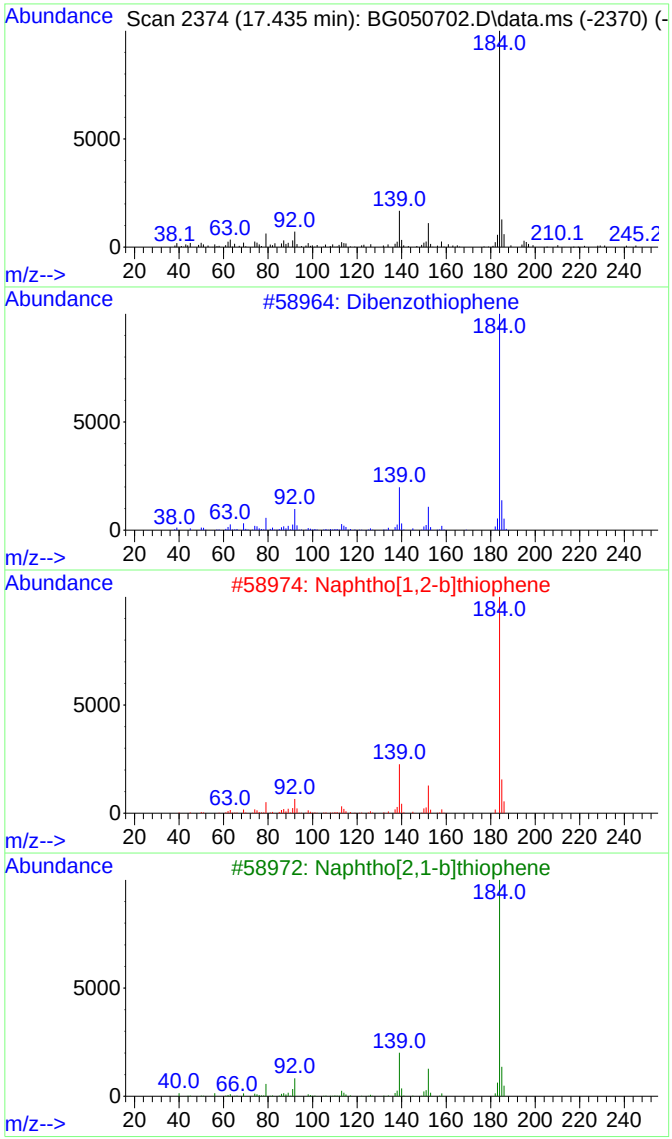
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG100621.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

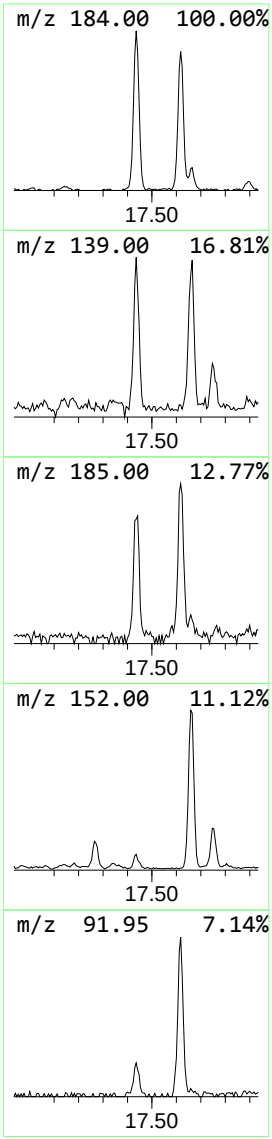
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 10 Dibenzothiophene Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.435	3.61 ng	114811	Phenanthrene-d10	17.618

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzothiophene	184	C12H8S	000132-65-0	97
2	Naphtho[1,2-b]thiophene	184	C12H8S	000234-41-3	97
3	Naphtho[2,1-b]thiophene	184	C12H8S	000233-02-3	96
4	Naphtho[2,3-b]thiophene	184	C12H8S	000268-77-9	95
5	Azuleno(2,1-b)thiophene	184	C12H8S	000248-13-5	93





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Sample : M4283-01 2X
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : VNJ-231

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG100621.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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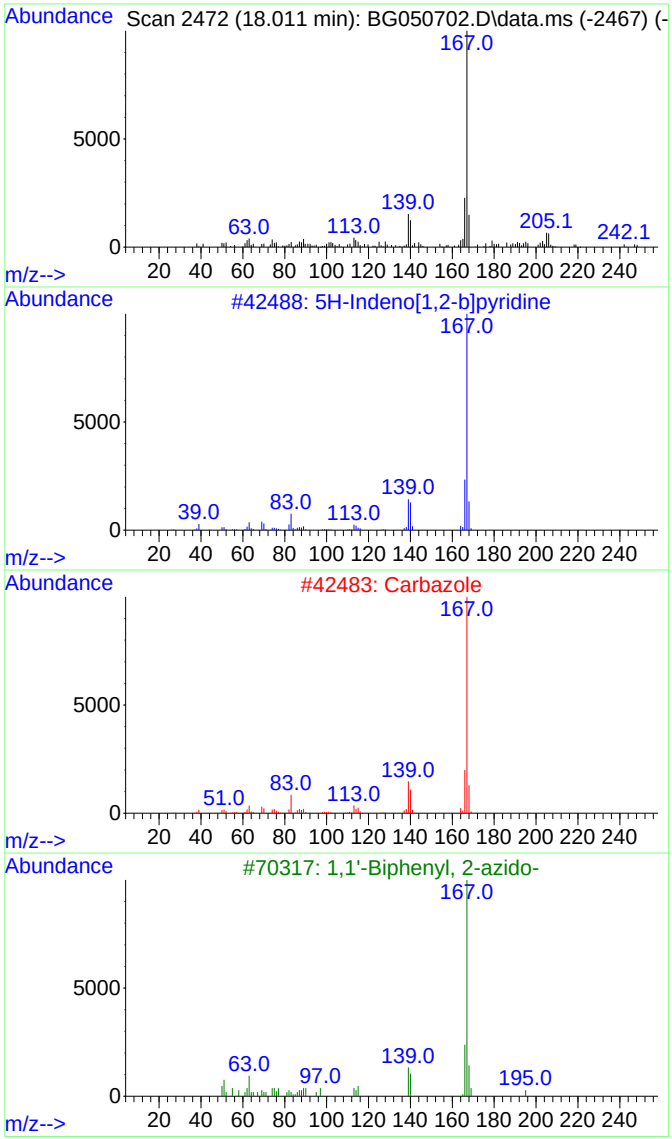
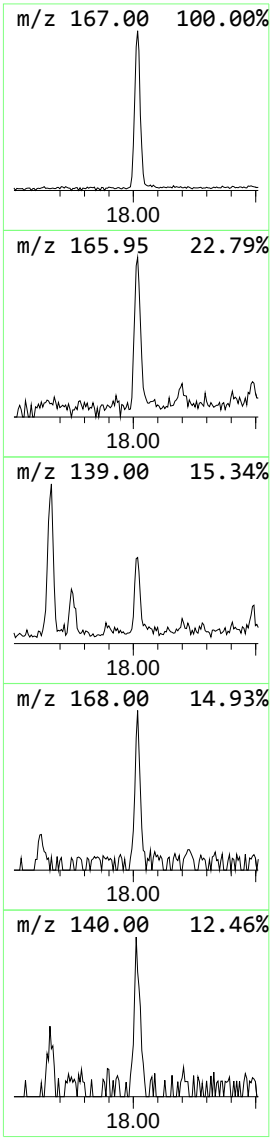
Peak Number 11 5H-Indeno[1,2-b]pyridine Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.011	2.78 ng	88632	Phenanthrene-d10	17.618

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	5H-Indeno[1,2-b]pyridine	167	C12H9N	000244-99-5	87
2	Carbazole	167	C12H9N	000086-74-8	87
3	1,1'-Biphenyl, 2-azido-	195	C12H9N3	007599-23-7	87
4	9H-Carbazole, 9-nitroso-	196	C12H8N2O	002788-23-0	80
5	ethanone, 1-(9H-carbazol-9-yl)-	209	C14H11NO	1000400-59-5	74





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Misc :
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Instrument : BNA_G
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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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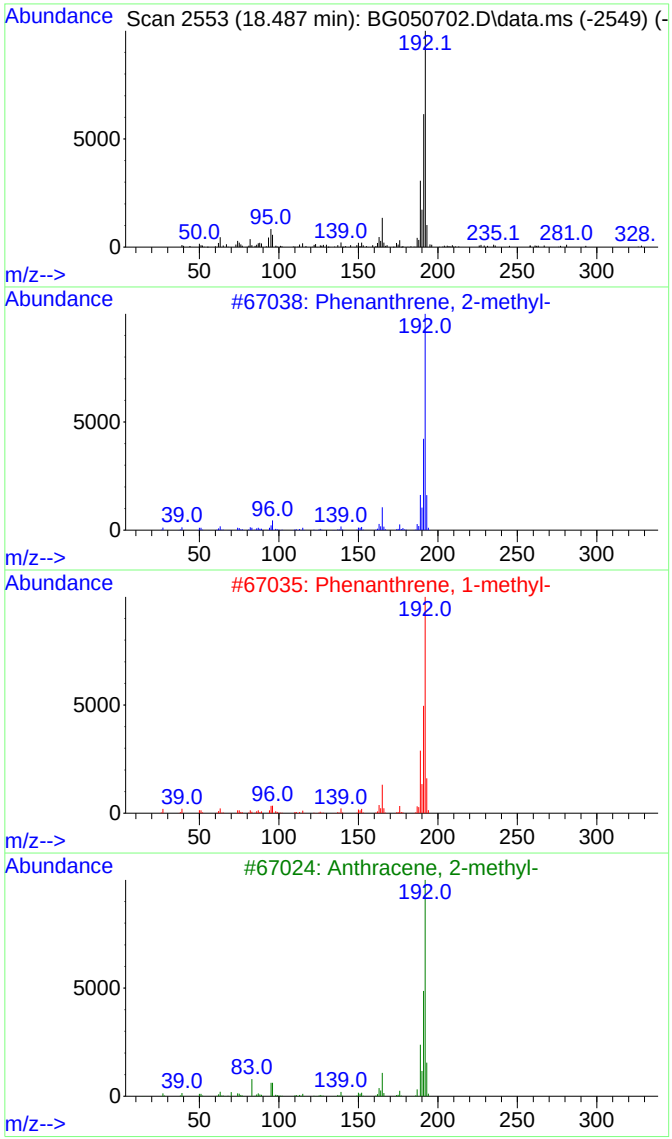
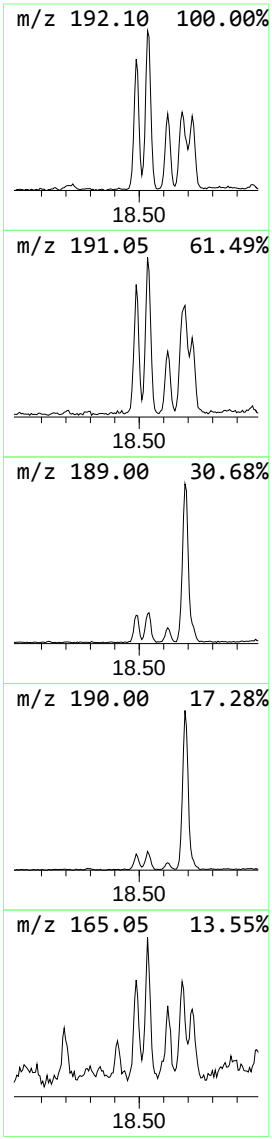
Peak Number 12 Phenanthrene, 2-methyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.487	3.49 ng	111104	Phenanthrene-d10	17.618

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	89
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	89
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	89
4	Anthracene, 1-methyl-	192	C15H12	000610-48-0	76
5	1H-Indene, 1-phenyl-	192	C15H12	001961-96-2	76





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Sample : M4283-01 2X
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : VNJ-231

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG100621.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

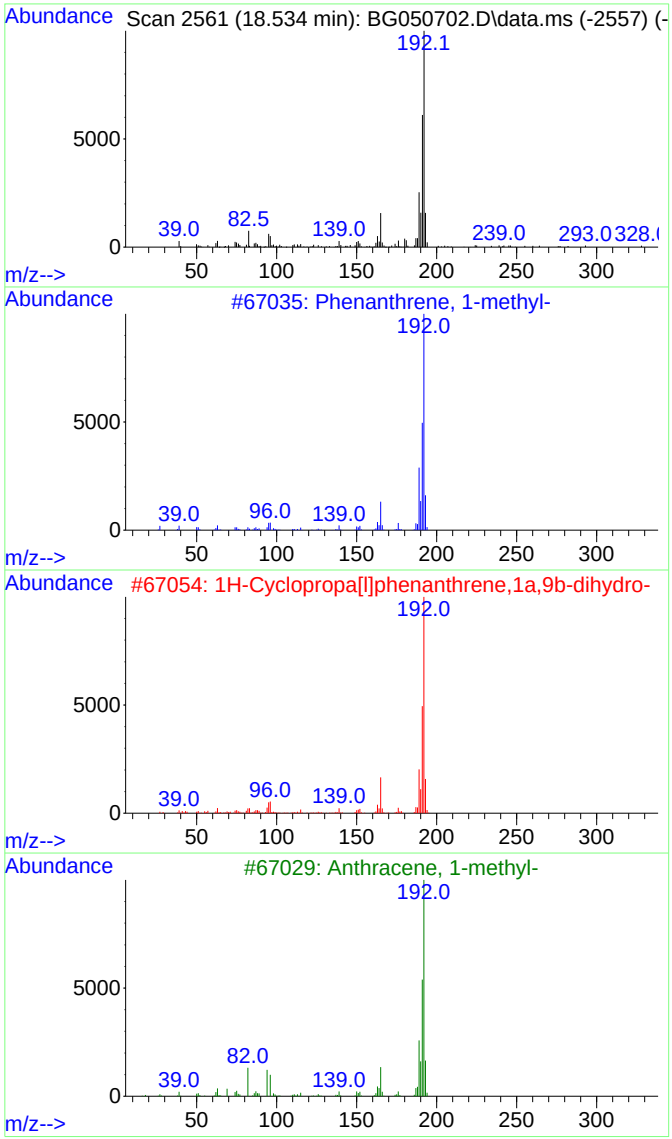
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

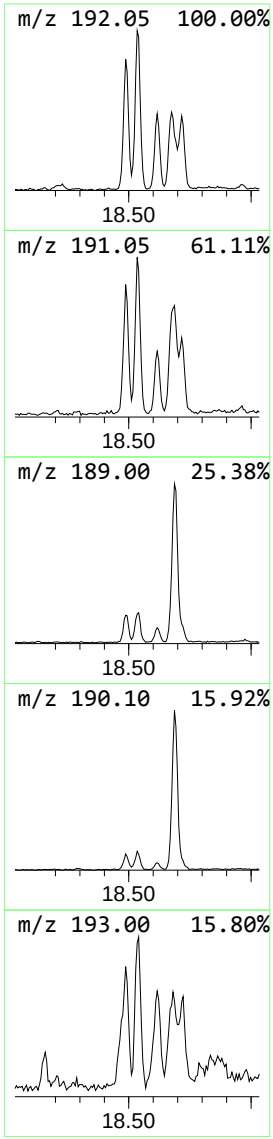
****

Peak Number 13 Phenanthrene, 1-methyl- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.534	5.18 ng	164885	Phenanthrene-d10	17.618

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	96
2	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	96
3	Anthracene, 1-methyl-	192	C15H12	000610-48-0	93
4	Anthracene, 9-methyl-	192	C15H12	000779-02-2	93
5	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	93





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Operator : CG/JU
Sample : M4283-01 2X
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : VNJ-231

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG100621.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

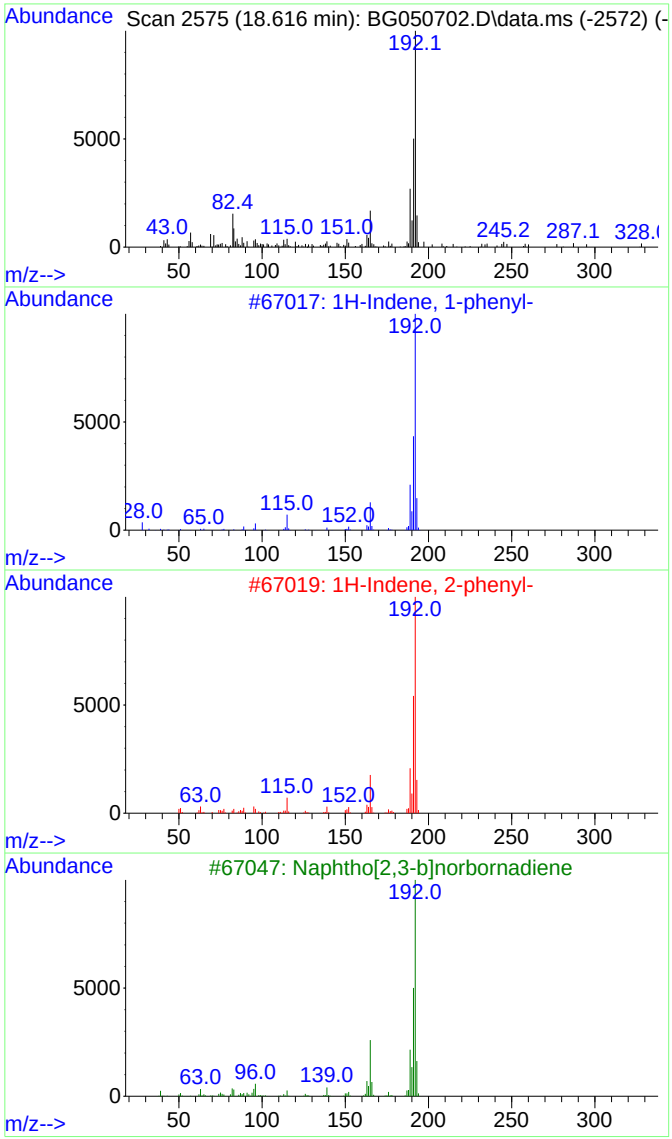
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

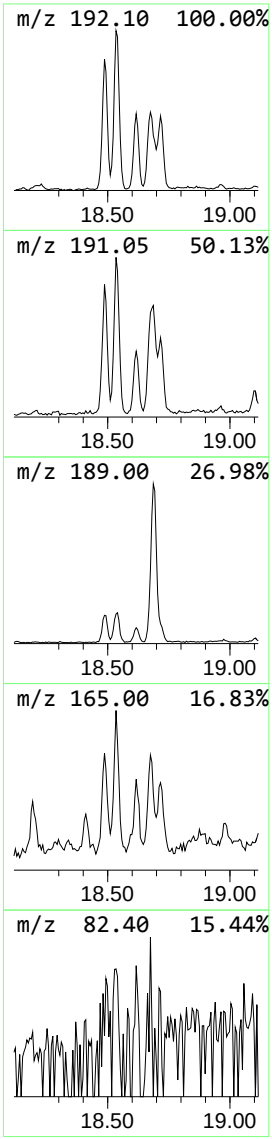
****

Peak Number 14 1H-Indene, 1-phenyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.616	2.28 ng	72701	Phenanthrene-d10	17.618

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Indene, 1-phenyl-	192	C15H12	001961-96-2	94
2	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	90
3	Naphtho[2,3-b]norbornadiene	192	C15H12	107426-38-0	90
4	Anthracene, 2-methyl-	192	C15H12	000613-12-7	90
5	Phenanthrene, 3-methyl-	192	C15H12	000832-71-3	90





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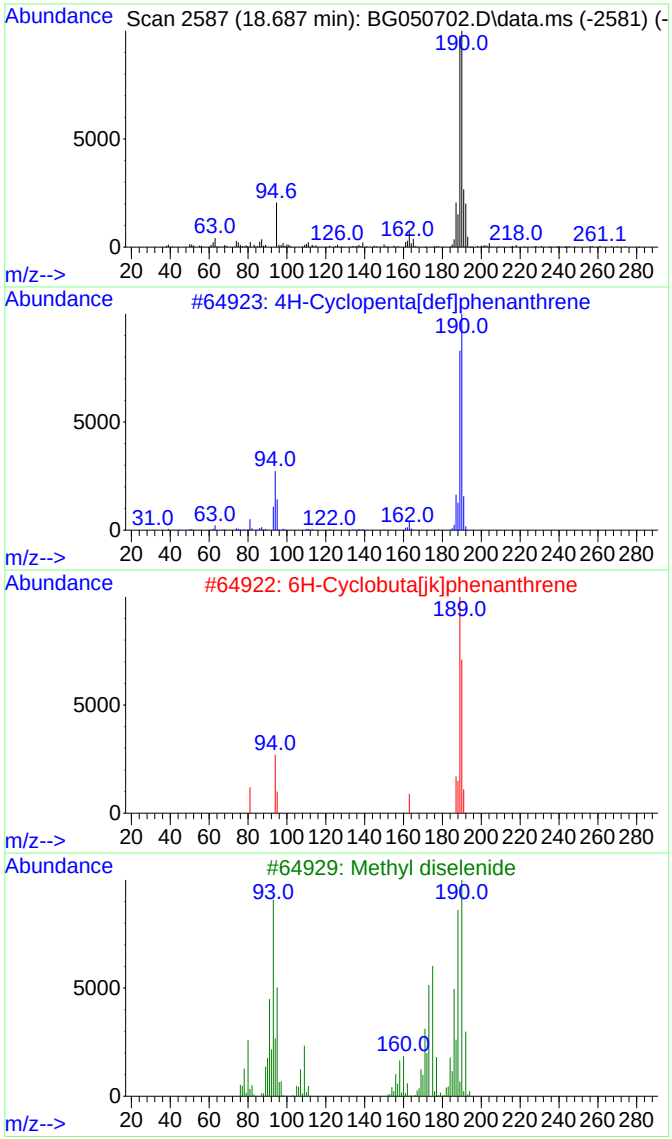
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

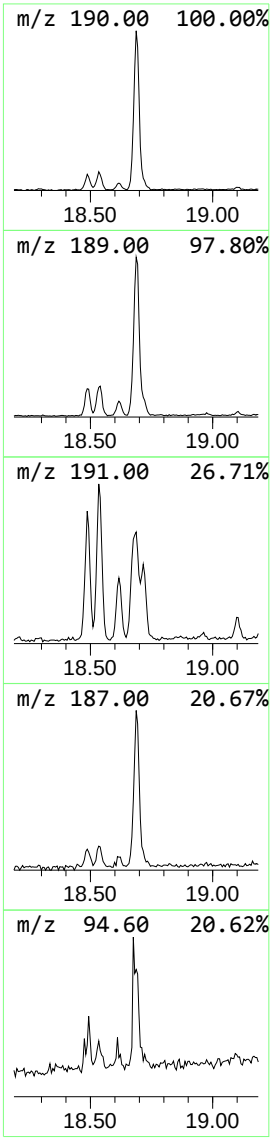
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 15 4H-Cyclopenta[def]phenanthrene Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.687	10.74 ng	342079	Phenanthrene-d10	17.618

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	68
2	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	64
3	Methyl diselenide	190	C2H6Se2	007101-31-7	55
4	2,2'-Bis(4,5-dimethylimidazole)	190	C10H14N4	069286-06-2	42
5	5,8-Quinoxalinediol, 2,3-dimethyl-	190	C10H10N2O2	007698-00-2	22





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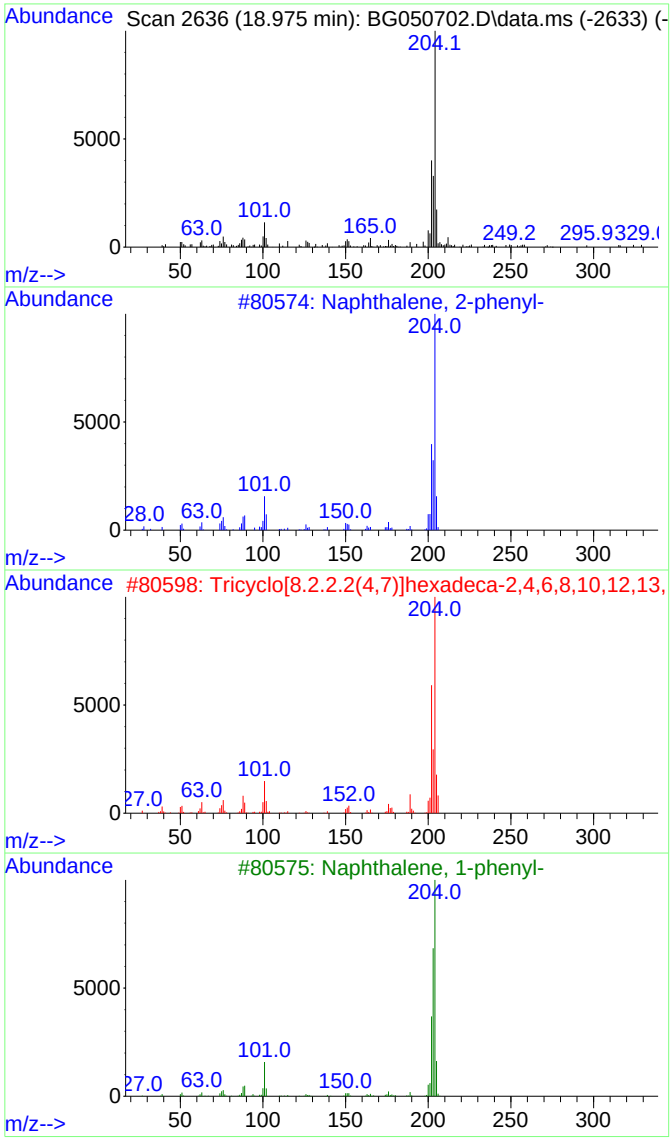
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

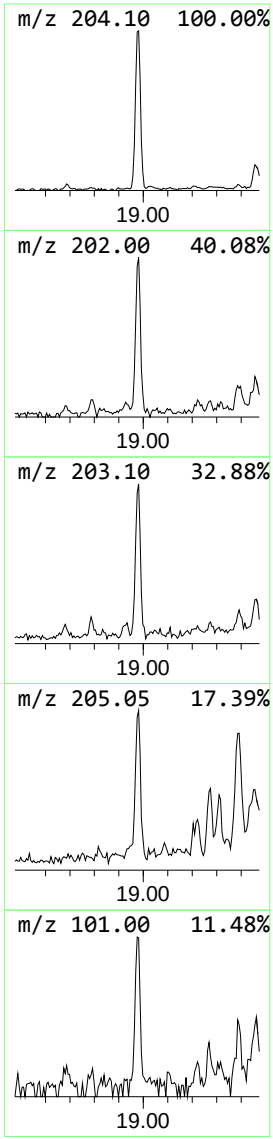
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 16 Naphthalene, 2-phenyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.975	2.53 ng	80493	Phenanthrene-d10	17.618

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	83
2	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	64
3	Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	55
4	[1,1'-Biphenyl]-4,4'-dicarbonitrile	204	C14H8N2	001591-30-6	49
5	6-Phenylbenzocyclohepten-7-one	232	C17H12O	093327-56-1	47





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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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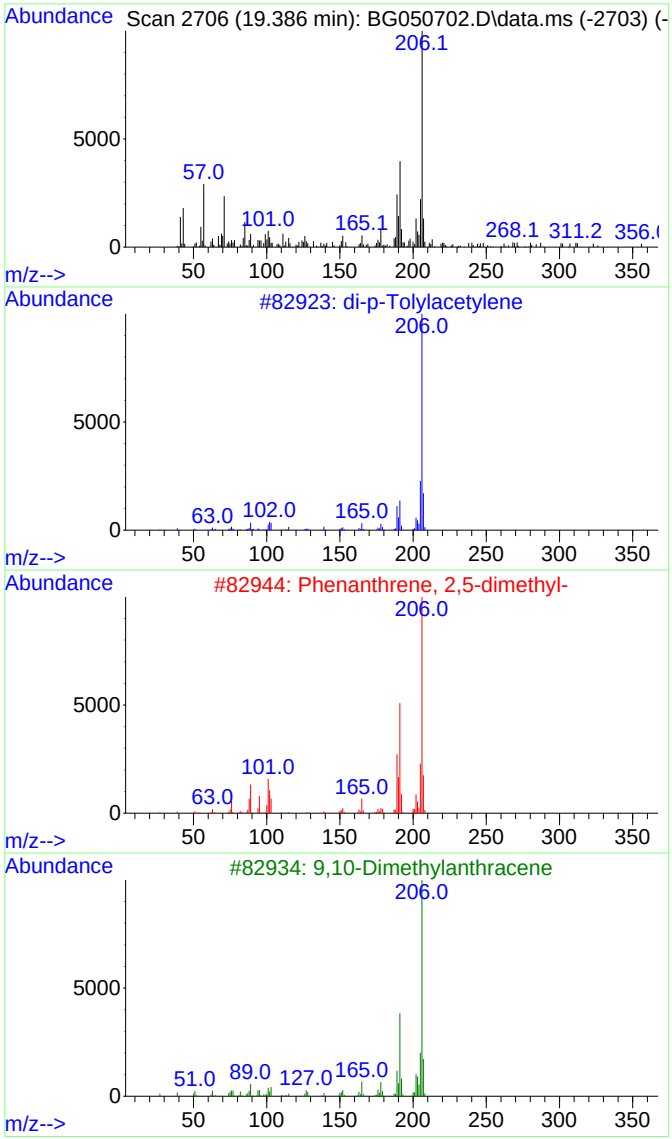
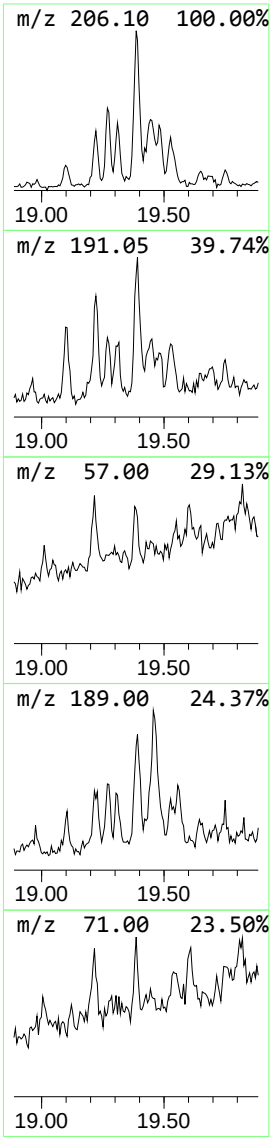
Peak Number 17 di-p-Tolylacetylene Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.386	2.72 ng	86675	Phenanthrene-d10	17.618

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	di-p-Tolylacetylene	206	C16H14	002789-88-0	94
2	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	91
3	9,10-Dimethylanthracene	206	C16H14	000781-43-1	90
4	Phenanthrene, 2,7-dimethyl-	206	C16H14	001576-69-8	89
5	Naphthalene, 1,2-dihydro-4-phenyl-	206	C16H14	007469-40-1	81





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ALS Vial : 14 Sample Multiplier: 1

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ClientSampleId : VNJ-231

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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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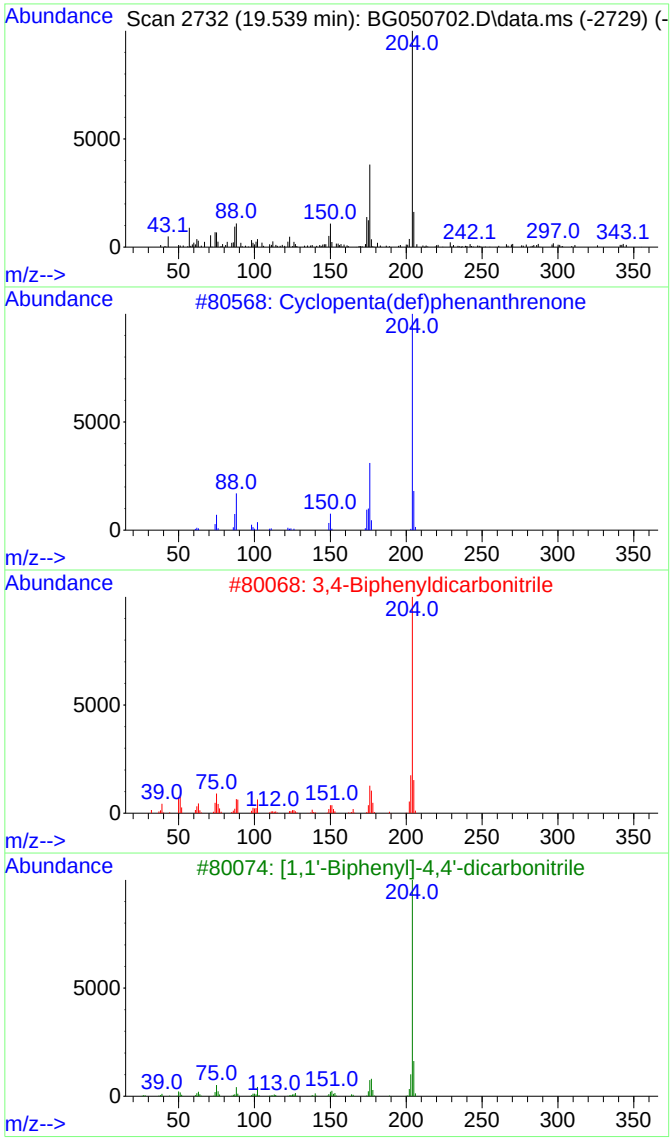
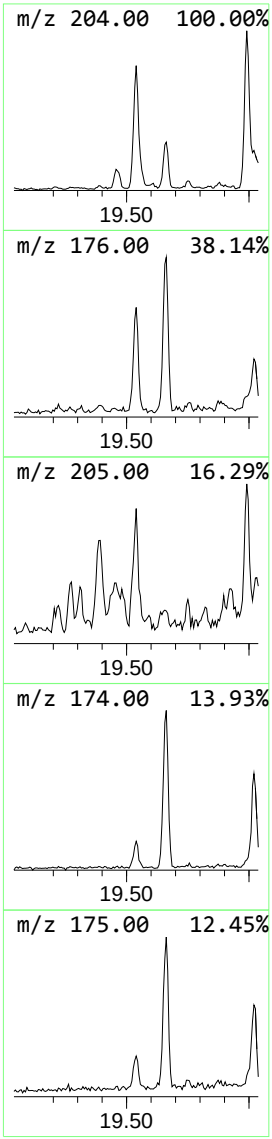
Peak Number 18 Cyclopenta(def)phenanthrenone Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.539	2.61 ng	83114	Phenanthrene-d10	17.618

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	83
2	3,4-Biphenyldicarbonitrile	204	C14H8N2	004128-63-6	59
3	[1,1'-Biphenyl]-4,4'-dicarbonitrile	204	C14H8N2	001591-30-6	52
4	Tricyclo[5.1.0.0(2,4)]octane, 5-...	247	C17H29N	1000063-59-3	50
5	5,6,7,8-Tetrahydrothieno[2,3-b]q...	204	C11H12N2S	122914-50-5	50





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Operator : CG/JU
Sample : M4283-01 2X
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : VNJ-231

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG100621.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

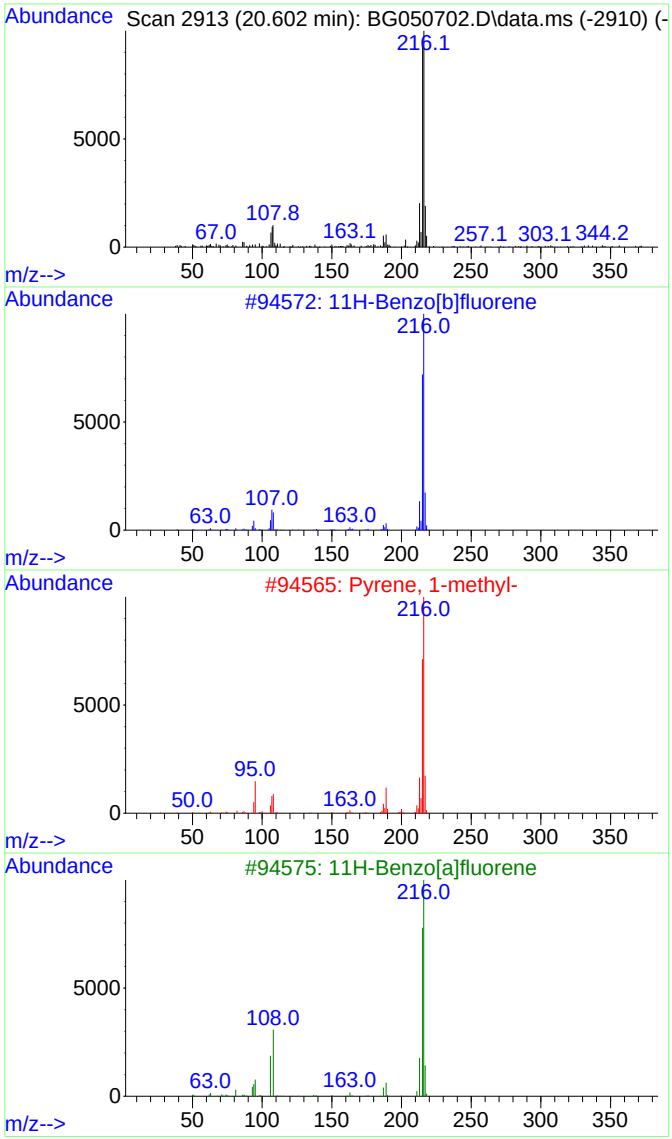
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

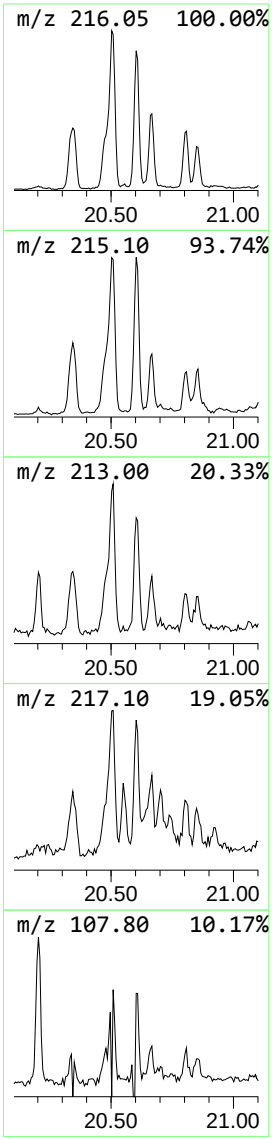
****

Peak Number 19 11H-Benzo[b]fluorene Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.602	2.27 ng	120533	Chrysene-d12	21.918

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	94
2	Pyrene, 1-methyl-	216	C17H12	002381-21-7	91
3	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	83
4	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	70
5	1,3,5-Triazine-2,4,6-triamine, N...	216	C10H12N6	046731-79-7	59





Tentatively Identified Compound (LSC) summary

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG102221\
Data File : BG050702.D
Acq On : 22 Oct 2021 23:46
Operator : CG/JU
Sample : M4283-01 2X
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : VNJ-231

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG100621.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
Ethanol, 2-(2-b...	10.820	3.3	ng	84808	2	11.078	511779	20.0
Naphthalene, 2,...	14.034	2.0	ng	61602	3	14.874	607311	20.0
Naphthalene, 1,...	14.192	2.8	ng	83867	3	14.874	607311	20.0
Benzene, [1-(2,...	15.173	2.3	ng	68913	3	14.874	607311	20.0
Benzene, 1,1'-e...	16.078	3.0	ng	90477	3	14.874	607311	20.0
2,4,6-Cyclohept...	16.201	4.1	ng	125486	3	14.874	607311	20.0
unknown16.560	16.560	3.4	ng	107339	4	17.618	636722	20.0
9H-Fluorene, 1-...	16.918	3.3	ng	105183	4	17.618	636722	20.0
4-(4-Methylphen...	17.336	2.1	ng	65558	4	17.618	636722	20.0
Dibenzothiophene	17.435	3.6	ng	114811	4	17.618	636722	20.0
5H-Indeno[1,2-b...	18.011	2.8	ng	88632	4	17.618	636722	20.0
Phenanthrene, 2...	18.487	3.5	ng	111104	4	17.618	636722	20.0
Phenanthrene, 1...	18.534	5.2	ng	164885	4	17.618	636722	20.0
1H-Indene, 1-ph...	18.616	2.3	ng	72701	4	17.618	636722	20.0
4H-Cyclopenta[d...	18.687	10.7	ng	342079	4	17.618	636722	20.0
Naphthalene, 2-...	18.975	2.5	ng	80493	4	17.618	636722	20.0
di-p-Tolylacety...	19.386	2.7	ng	86675	4	17.618	636722	20.0
Cyclopenta(def)...	19.539	2.6	ng	83114	4	17.618	636722	20.0
11H-Benzo[b]flu...	20.602	2.3	ng	120533	5	21.918	1062700	20.0