LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG022123\
Data File : BG056683.D
Acq On : 21 Feb 2023 13:37
Operator : CG/JU
Sample : 01552-02
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : SB-01-4.0-6.0

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-BG021523.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BG056683.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	5.462	321	327	335	rBV	128756	203490	12.19%	0.712%
2	5.937	400	408	418	rVB	292281	478262	28.65%	1.673%
3	7.553	675	683	690	rBV	303985	529028	31.70%	1.851%
4	8.429	825	832	840	rVB	76141	129534	7.76%	0.453%
5	8.999	921	929	932	rBV4	19076	47620	2.85%	0.167%
6	9.604	1025	1032	1040	rVB	177605	316945	18.99%	1.109%
7	10.297	1141	1150	1161	rBV3	42272	175486	10.51%	0.614%
8	10.808	1233	1237	1252	rVB5	20975	63200	3.79%	0.221%
9	11.266	1309	1315	1320	rBV	93765	179384	10.75%	0.628%
10	11.319	1320	1324	1333	rVB	116911	200510	12.01%	0.702%
11	11.784	1395	1403	1419	rBV2	68943	257285	15.41%	0.900%
12	11.919	1419	1426	1455	rVB2	74546	312846	18.74%	1.095%
13	12.894	1584	1592	1606	rBV	241511	509326	30.52%	1.782%
14	13.029	1610	1615	1623	rVV	38369	99051	5.93%	0.347%
15	13.105	1623	1628	1638	rVB	158941	290078	17.38%	1.015%
16	13.276	1651	1657	1670	rBV2	21354	72372	4.34%	0.253%
17	13.511	1691	1697	1709	rBV2	42956	120542	7.22%	0.422%
18	13.664	1717	1723	1730	rVB	436210	660453	39.57%	2.311%
19	13.875	1754	1759	1764	rVB	35899	55872	3.35%	0.195%
20	14.198	1806	1814	1816	rBV2	60854	114076	6.83%	0.399%
21	14.281	1822	1828	1834	rBV3	22598	49001	2.94%	0.171%
22	14.357	1835	1841	1846	rVV2	110270	201370	12.06%	0.705%
23	14.410	1846	1850	1855	rVB2	61062	89012	5.33%	0.311%
24	14.592	1876	1881	1884	rBV	48095	70984	4.25%	0.248%
25	14.762	1904	1910	1923	rBV2	71297	174856	10.48%	0.612%
26	14.992	1945	1949	1952	rBV2	33947	54137	3.24%	0.189%
27	15.033	1952	1956	1962	rVV	140123	225596	13.52%	0.789%
28	15.103	1963	1968	1973	rVB3	41361	68000	4.07%	0.238%
29	15.420	2018	2022	2028	rVB2	46548	81675	4.89%	0.286%
30	15.491	2030	2034	2040	rVB2	35183	58761	3.52%	0.206%
31	15.632	2052	2058	2063	rBV4	28003	59325	3.55%	0.208%
32	15.691	2064	2068	2072	rVB	31846	45800	2.74%	0.160%
33	16.073	2127	2133	2144	rVB2	162902	277694	16.64%	0.972%
34	16.366	2178	2183	2193	rVB2	93785	158694	9.51%	0.555%
35	16.507	2201	2207	2215	rVB	363705	567315	33.99%	1.985%
36	17.066	2299	2302	2307	rVB2	60079	88606	5.31%	0.310%

LSC Area Percent Report

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Operator : CG/JU
Sample : 01552-02
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : SB-01-4.0-6.0

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-BG021523.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

37	17.118	2307	2311	2318	rVB2	35970	57480	3.44%	0.201%
38	17.218	2324	2328	2334	rVB3	31003	47368	2.84%	0.166%
39	17.418	2357	2362	2370	rVB3	98116	195381	11.71%	0.684%
40	17.588	2386	2391	2398	rVB	89405	148466	8.90%	0.519%
41	17.771	2416	2422	2425	rBV	167621	278467	16.68%	0.974%
42	17.818	2425	2430	2436	rVB	1101505	1669079	100.00%	5.840%
43	17.906	2439	2445	2450	rBV	114192	184129	11.03%	0.644%
44	18.282	2505	2509	2515	rVB	38157	53686	3.22%	0.188%
45	18.346	2515	2520	2525	rBV	71303	106499	6.38%	0.373%
46	18.487	2539	2544	2550	rVB	39769	76239	4.57%	0.267%
47	18.558	2552	2556	2559	rBV3	25871	43922	2.63%	0.154%
48	18.640	2561	2570	2573	rVV	296797	625853	37.50%	2.190%
49	18.687	2573	2578	2585	rVB	330871	500203	29.97%	1.750%
50	18.764	2587	2591	2596	rVV2	56311	88642	5.31%	0.310%
51	18.828	2596	2602	2606	rVV2	259652	593694	35.57%	2.077%
52	18.869	2606	2609	2623	rVB2	262947	612246	36.68%	2.142%
53	19.122	2647	2652	2655	rBV	132852	188660	11.30%	0.660%
54	19.163	2655	2659	2670	rVB2	90968	158114	9.47%	0.553%
55	19.363	2689	2693	2697	rVV2	49130	70547	4.23%	0.247%
56	19.410	2697	2701	2705	rVV	69670	99644	5.97%	0.349%
57	19.451	2705	2708	2712	rVB2	54423	70282	4.21%	0.246%
58	19.533	2717	2722	2727	rBV	155609	267690	16.04%	0.937%
59	19.598	2727	2733	2735	rBV3	50112	111414	6.68%	0.390%
60	19.674	2741	2746	2753	rBV5	80346	188267	11.28%	0.659%
61	19.798	2761	2767	2772	rBV	807812	1209474	72.46%	4.232%
62	19.862	2772	2778	2785	rVV3	223993	415920	24.92%	1.455%
63	19.933	2785	2790	2796	rVV2	284644	508497	30.47%	1.779%
64	20.039	2805	2808	2816	rVB	52225	92512	5.54%	0.324%
65	20.127	2818	2823	2824	rBV2	78335	111158	6.66%	0.389%
66	20.162	2824	2829	2834	rVV	1017853	1462794	87.64%	5.118%
67	20.215	2835	2838	2844	rVB	60952	91926	5.51%	0.322%
68	20.338	2854	2859	2863	rVB	702553	909891	54.51%	3.183%
69	20.479	2876	2883	2888	rVB3	105188	232672	13.94%	0.814%
70	20.638	2901	2910	2914	rVB	183126	421383	25.25%	1.474%
71	20.738	2923	2927	2929	rBV	108731	155053	9.29%	0.542%
72	20.779	2929	2934	2941	rVB2	290878	687440	41.19%	2.405%
73	20.943	2957	2962	2966	rBV	130121	192991	11.56%	0.675%
74	20.990	2966	2970	2981	rVB	120050	210336	12.60%	0.736%
75	21.431	3041	3045	3054	rVB	91454	162303	9.72%	0.568%
76	21.625	3071	3078	3083	rBV3	271353	604030	36.19%	2.113%

LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG022123\
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Acq On : 21 Feb 2023 13:37
Operator : CG/JU
Sample : 01552-02
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : SB-01-4.0-6.0

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
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Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG021523.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

77	21.731	3092	3096	3100	rBV2	64649	111812	6.70%	0.391%
78	21.789	3102	3106	3115	rVB2	83092	165650	9.92%	0.580%
79	21.930	3127	3130	3136	rVB3	42683	71661	4.29%	0.251%
80	22.071	3147	3154	3161	rBV2	437109	1100722	65.95%	3.851%
81	22.142	3161	3166	3173	rVB	344122	640138	38.35%	2.240%
82	22.254	3182	3185	3190	rVB2	55987	84177	5.04%	0.295%
83	22.306	3190	3194	3200	rBV3	33628	60084	3.60%	0.210%
84	22.377	3200	3206	3212	rBV4	49360	105284	6.31%	0.368%
85	22.524	3227	3231	3234	rBV	25719	50779	3.04%	0.178%
86	22.594	3236	3243	3258	rVB	183280	488507	29.27%	1.709%
87	22.882	3288	3292	3296	rVB	78951	124344	7.45%	0.435%
88	23.182	3338	3343	3348	rBV2	47170	94074	5.64%	0.329%
89	23.693	3423	3430	3442	rVB2	141971	433727	25.99%	1.517%
90	24.498	3559	3567	3576	rBV2	171576	651629	39.04%	2.280%
91	24.780	3611	3615	3625	rVB2	40477	94299	5.65%	0.330%
92	25.021	3647	3656	3667	rVB3	89997	291431	17.46%	1.020%
93	25.297	3696	3703	3720	rVB2	123266	373992	22.41%	1.308%
94	25.467	3723	3732	3744	rVB	187863	565892	33.90%	1.980%
95	25.632	3753	3760	3770	rBV2	86880	281395	16.86%	0.985%
96	25.720	3770	3775	3789	rVB3	49558	190190	11.39%	0.665%
97	26.590	3916	3923	3940	rVB6	76615	287731	17.24%	1.007%
98	29.698	4437	4452	4481	rVB3	124735	936924	56.13%	3.278%
99	30.256	4545	4547	4559	rVB6	24534	61975	3.71%	0.217%
100	30.996	4661	4673	4690	rVB2	65165	325545	19.50%	1.139%

Sum of corrected areas: 28582500

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG022123\
Data File : BG056683.D
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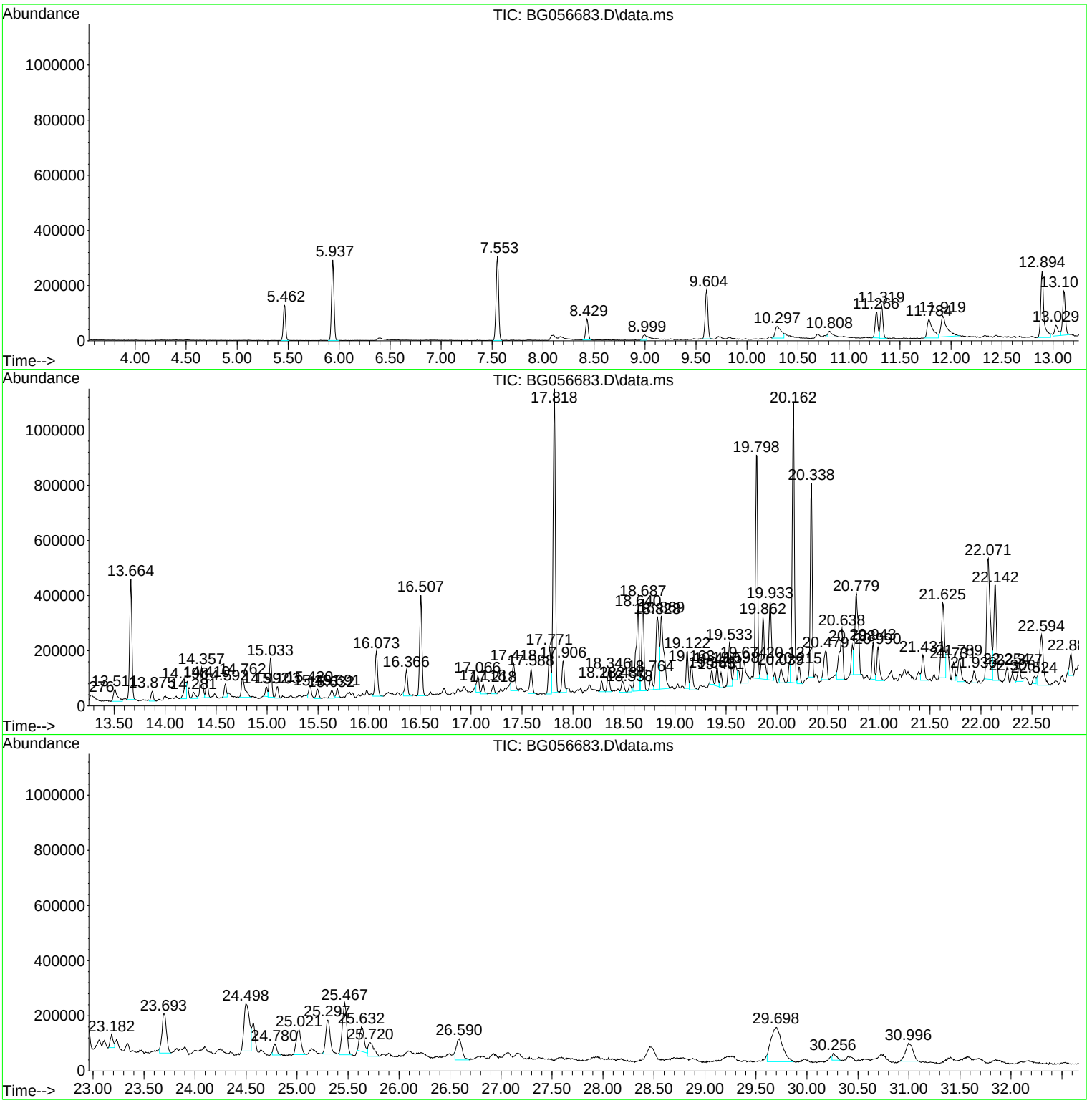
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
SB-01-4.0-6.0

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG021523.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\BG022123\
Data File : BG056683.D
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Instrument :
BNA_G
ClientSampleId :
SB-01-4.0-6.0

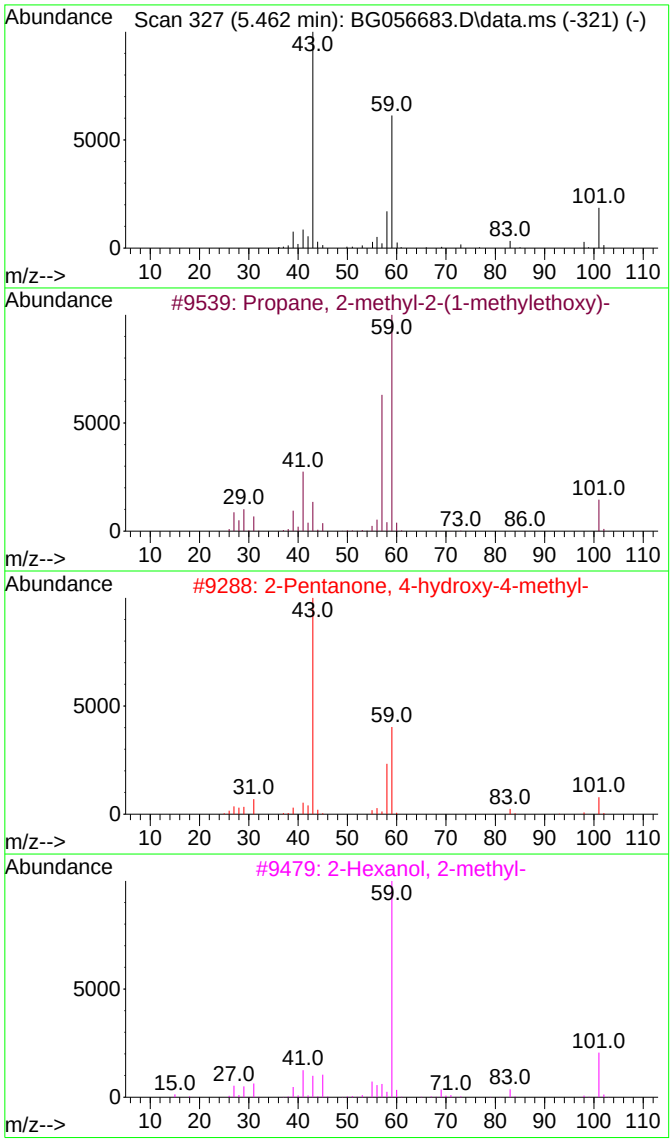
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG021523.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

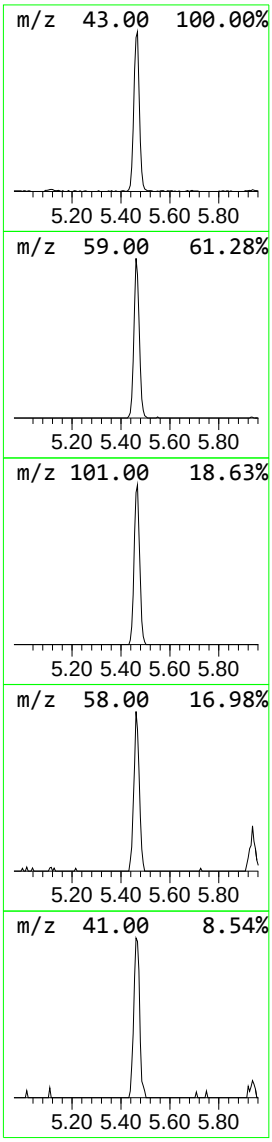
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 1 Propane, 2-methyl-2-(1-meth... Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.462	31.42 ng	203490	1,4-Dichlorobenzene-d4	8.429

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Propane, 2-methyl-2-(1-methyleth...	116	C7H16O	017348-59-3	53
2	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	50
3	2-Hexanol, 2-methyl-	116	C7H16O	000625-23-0	38
4	Acetic acid, 1,1-dimethylethyl e...	116	C6H12O2	000540-88-5	38
5	1,3-Dioxolane-2-methanol, 2,4-di...	132	C6H12O3	053951-43-2	25





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG022123\
Data File : BG056683.D
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Sample : 01552-02
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ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
SB-01-4.0-6.0

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG021523.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

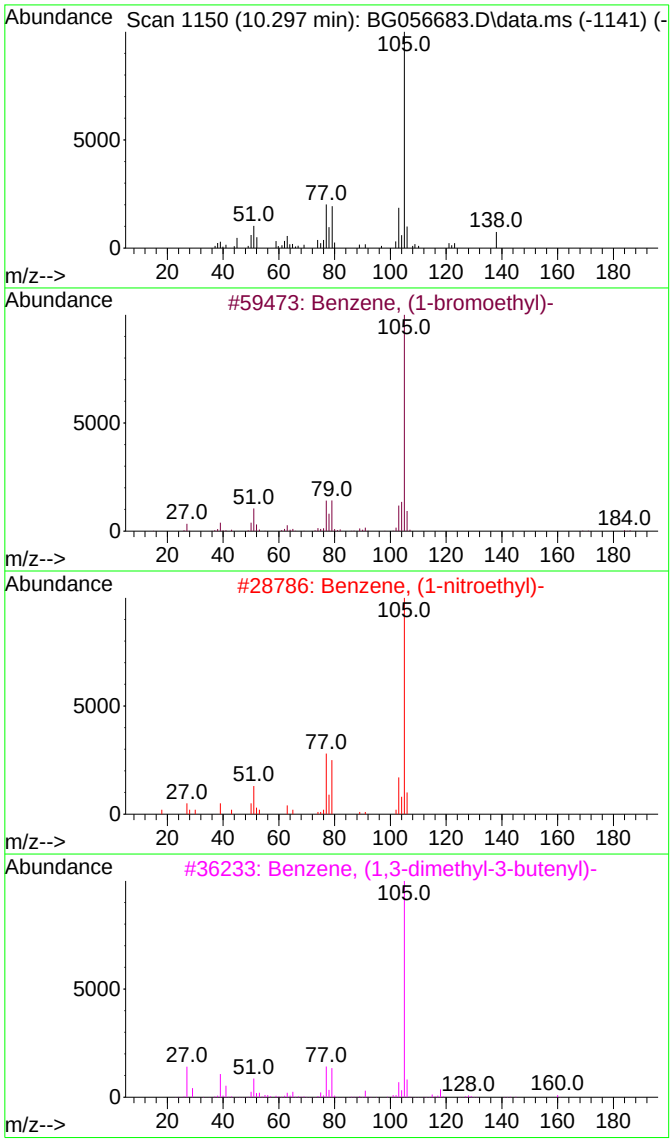
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

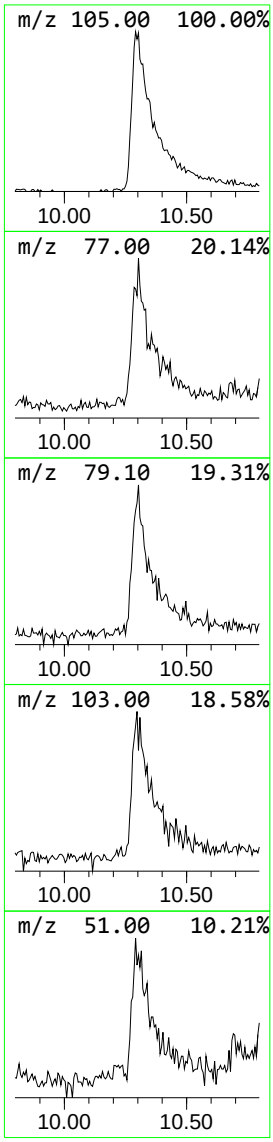
****

Peak Number 2 Benzene, (1-bromoethyl)- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.297	19.57 ng	175486	Naphthalene-d8	11.267

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, (1-bromoethyl)-	184	C8H9Br	000585-71-7	78
2	Benzene, (1-nitroethyl)-	151	C8H9NO2	007214-61-1	78
3	Benzene, (1,3-dimethyl-3-butenyl)-	160	C12H16	056851-51-5	72
4	Phenol, o-[(.alpha.-methylbenzyl...	262	C14H14O3S	029634-38-6	72
5	Ether, p-methylbenzyl vinyl	148	C10H12O	026437-10-5	72





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG022123\
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Instrument :
BNA_G
ClientSampleId :
SB-01-4.0-6.0

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG021523.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

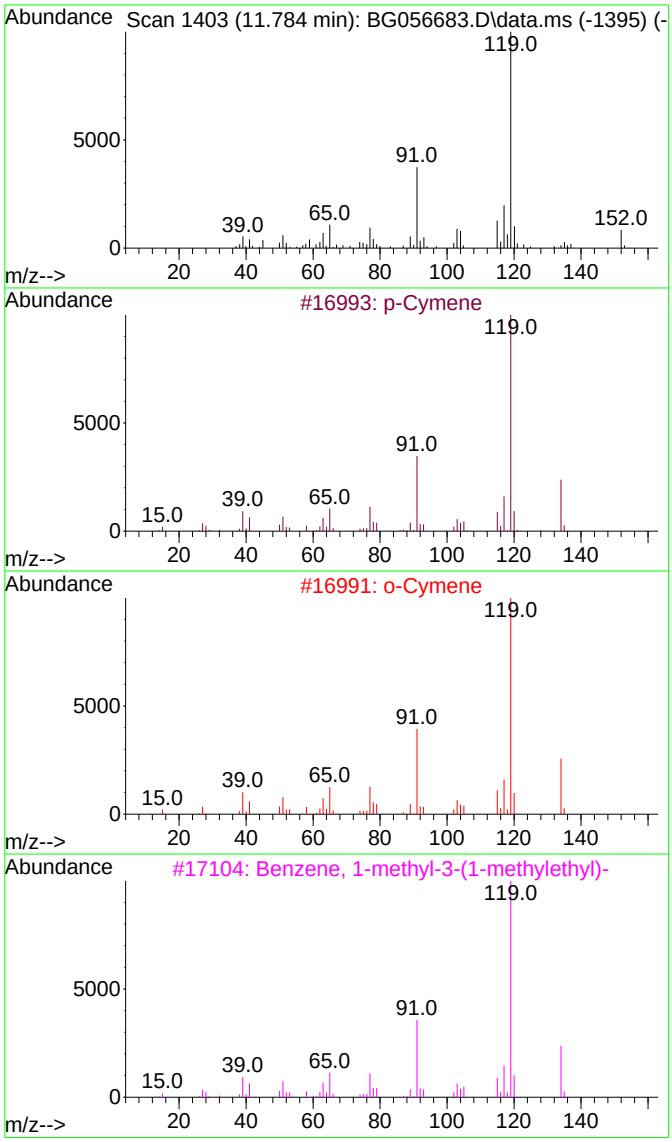
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

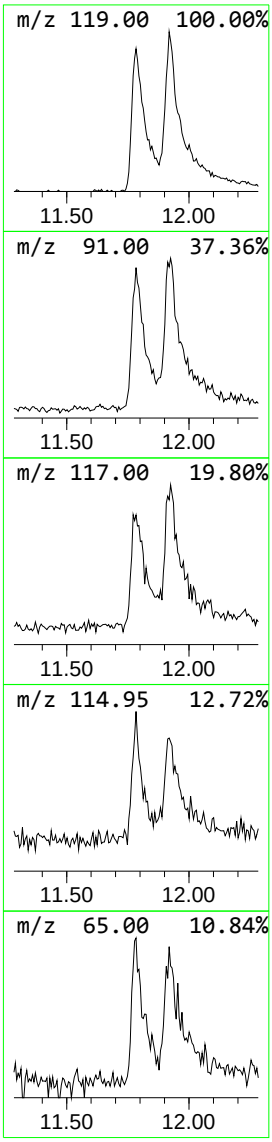
****

Peak Number 3 p-Cymene Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.784	28.69 ng	257285	Naphthalene-d8	11.267

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	p-Cymene	134	C10H14	000099-87-6	86
2	o-Cymene	134	C10H14	000527-84-4	72
3	Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	72
4	Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	64
5	Benzene, 2-ethyl-1,3-dimethyl-	134	C10H14	002870-04-4	64





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG022123\
Data File : BG056683.D
Acq On : 21 Feb 2023 13:37
Operator : CG/JU
Sample : 01552-02
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
SB-01-4.0-6.0

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG021523.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

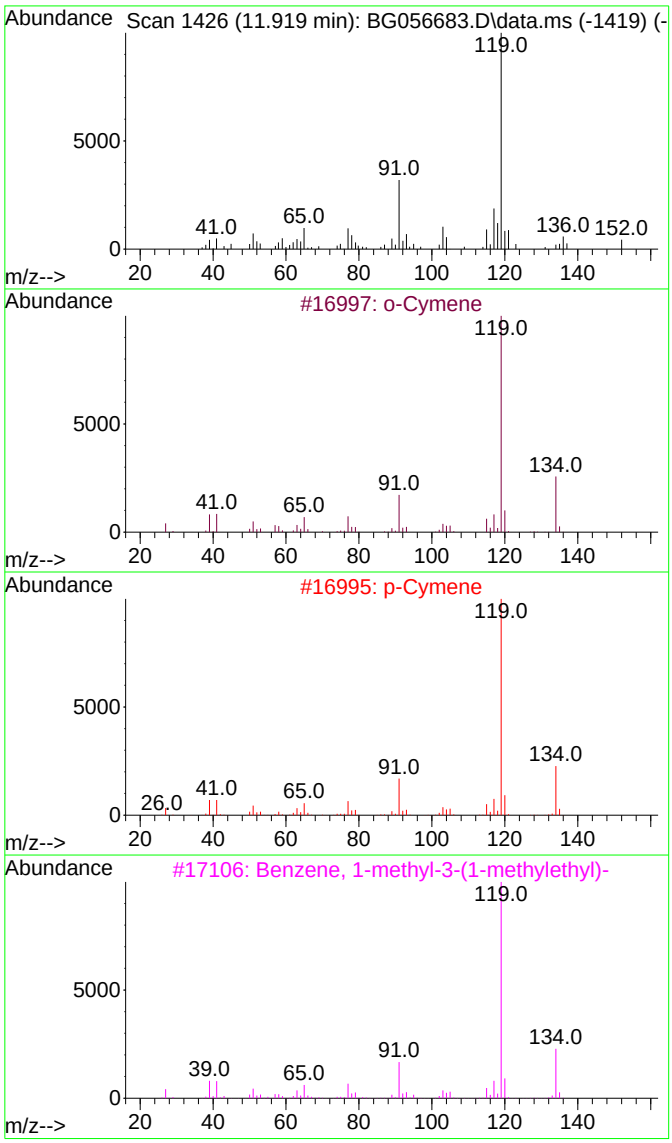
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

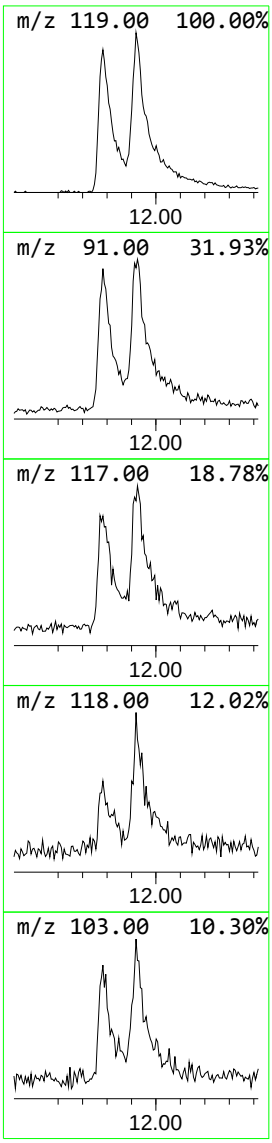
****

Peak Number 4 o-Cymene Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.919	34.88 ng	312846	Naphthalene-d8	11.267

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	o-Cymene	134	C10H14	000527-84-4	81
2	p-Cymene	134	C10H14	000099-87-6	81
3	Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	74
4	4-Aminostyrene	119	C8H9N	001520-21-4	52
5	Benzene, isocyanato-	119	C7H5NO	000103-71-9	49





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG022123\
Data File : BG056683.D
Acq On : 21 Feb 2023 13:37
Operator : CG/JU
Sample : 01552-02
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
SB-01-4.0-6.0

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG021523.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

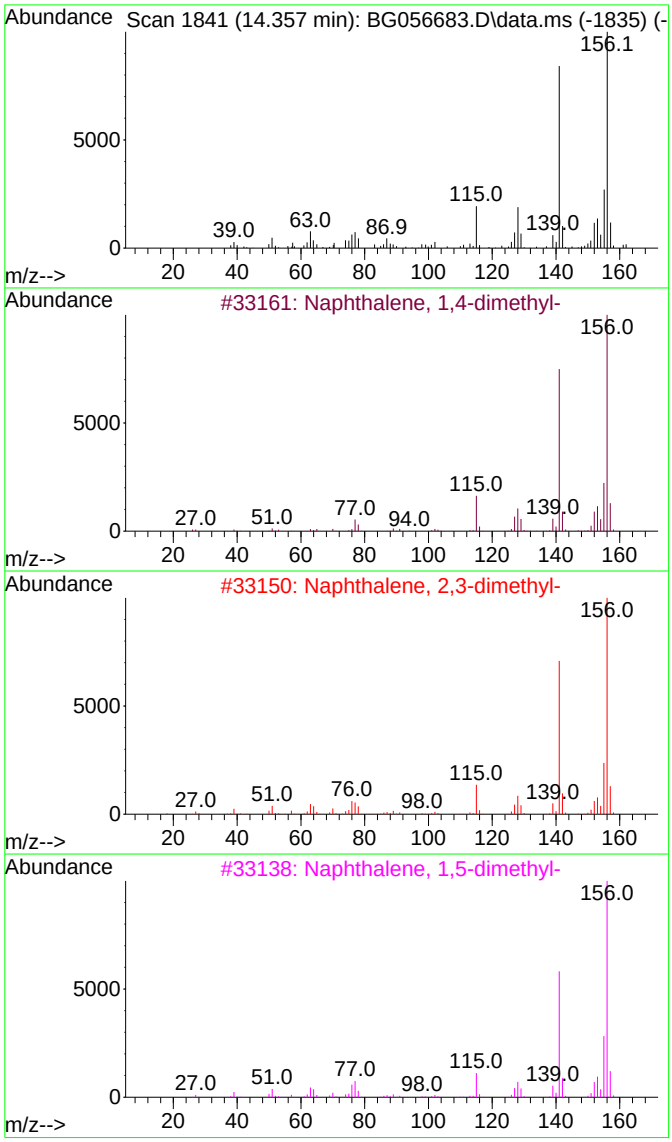
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

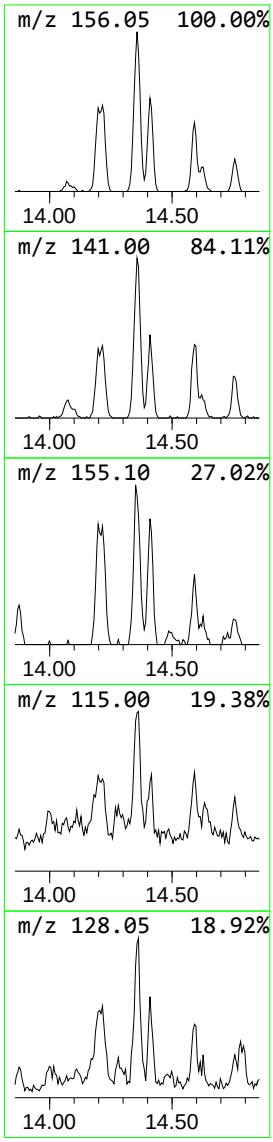
****

Peak Number 5 Naphthalene, 1,4-dimethyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.357	17.85 ng	201370	Acenaphthene-d10	15.033

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,4-dimethyl-	156	C12H12	000571-58-4	97
2	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	97
3	Naphthalene, 1,5-dimethyl-	156	C12H12	000571-61-9	96
4	Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	96
5	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	95





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Acq On : 21 Feb 2023 13:37
Operator : CG/JU
Sample : 01552-02
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
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ClientSampleId :
SB-01-4.0-6.0

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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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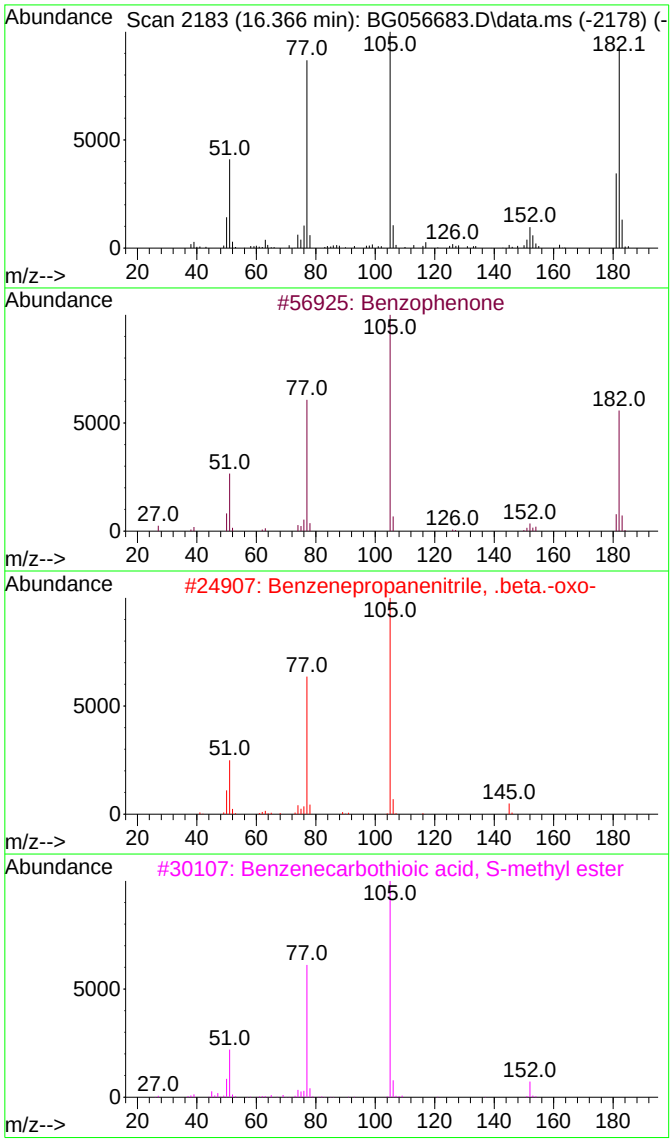
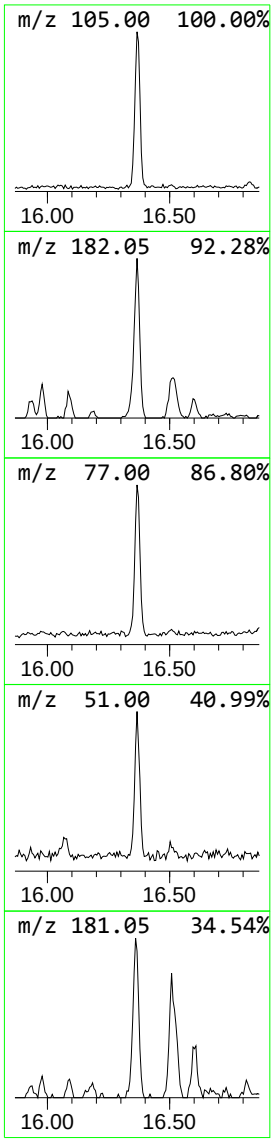
Peak Number 6 Benzophenone Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.366	14.07 ng	158694	Acenaphthene-d10	15.033

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzophenone	182	C13H10O	000119-61-9	91
2	Benzenepropanenitrile, .beta.-oxo-	145	C9H7NO	000614-16-4	55
3	Benzenecarbothioic acid, S-methy...	152	C8H8OS	005925-68-8	49
4	1-Butanone, 1-phenyl-	148	C10H12O	000495-40-9	43
5	Benzoic acid, phenyl ester	198	C13H10O2	000093-99-2	43





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Sample : 01552-02
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ALS Vial : 4 Sample Multiplier: 1

Instrument :
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ClientSampleId :
SB-01-4.0-6.0

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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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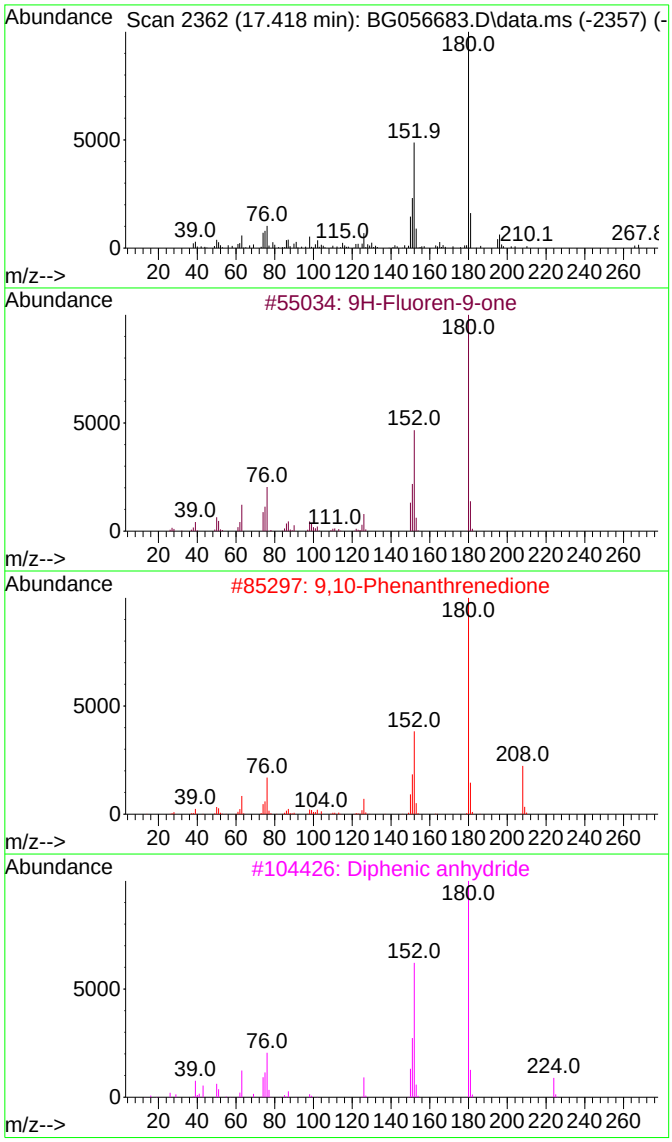
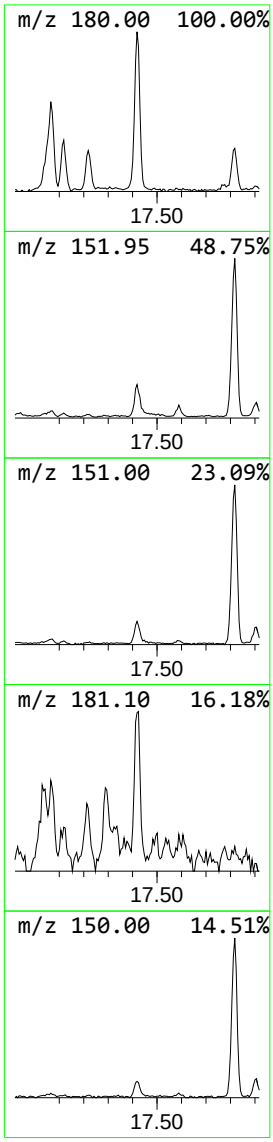
Peak Number 7 9H-Fluoren-9-one Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.418	14.03 ng	195381	Phenanthrene-d10	17.771

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluoren-9-one	180	C13H8O	000486-25-9	93
2	9,10-Phenanthrenedione	208	C14H8O2	000084-11-7	80
3	Diphenic anhydride	224	C14H8O3	006050-13-1	78
4	2,3-Diazaphenanthrene	180	C12H8N2	000229-72-1	50
5	1H-Phenalen-1-one	180	C13H8O	000548-39-0	49





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

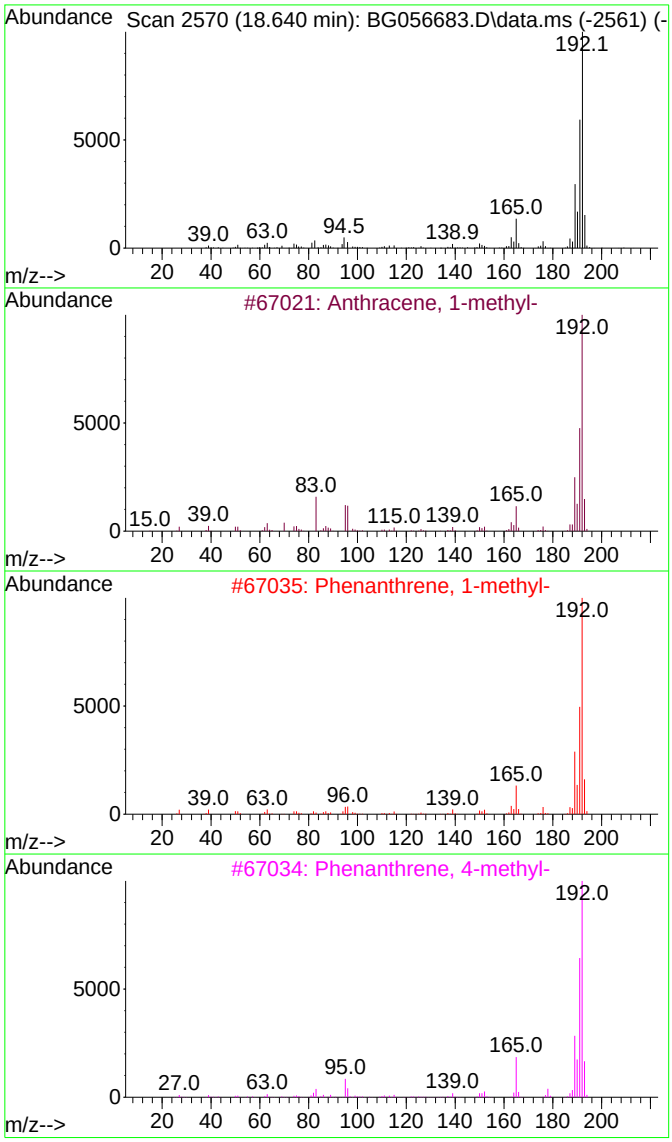
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

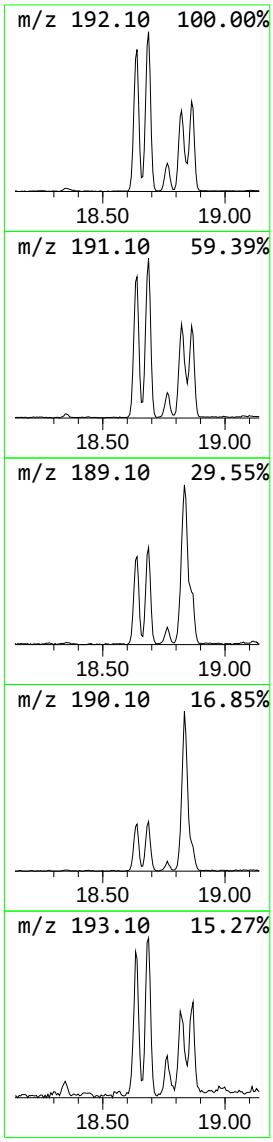
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.640	44.95 ng	625853	Phenanthrene-d10	17.771

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 1-methyl-	192	C15H12	000610-48-0	94
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	94
3	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	94
4	Anthracene, 2-methyl-	192	C15H12	000613-12-7	94
5	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	93





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Misc :
ALS Vial : 4 Sample Multiplier: 1

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

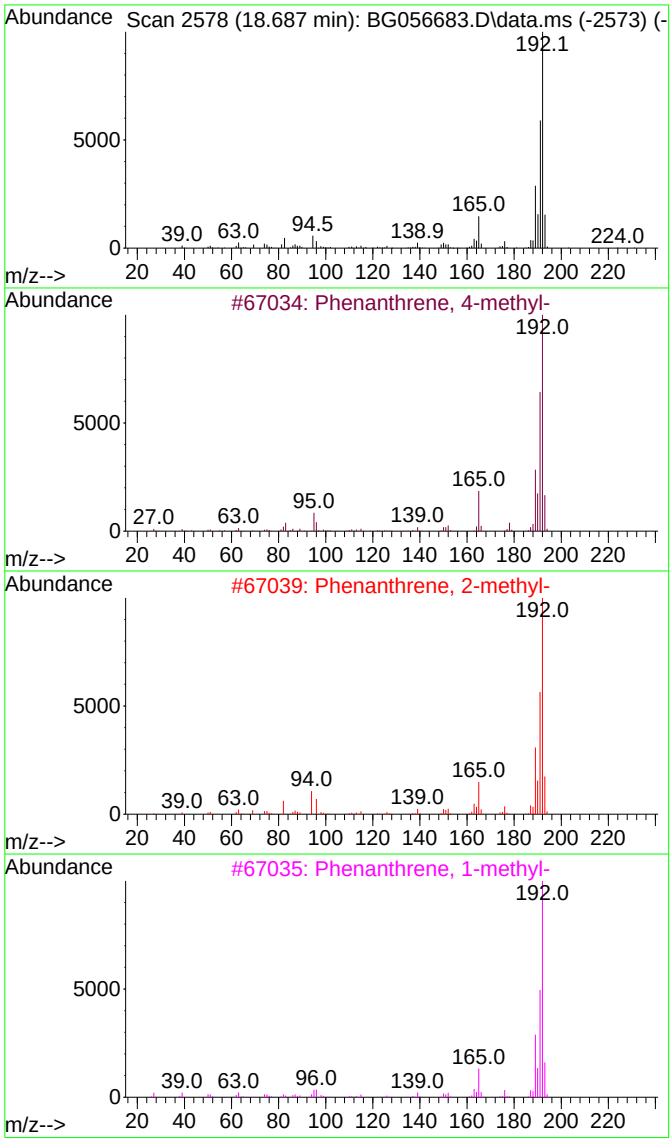
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

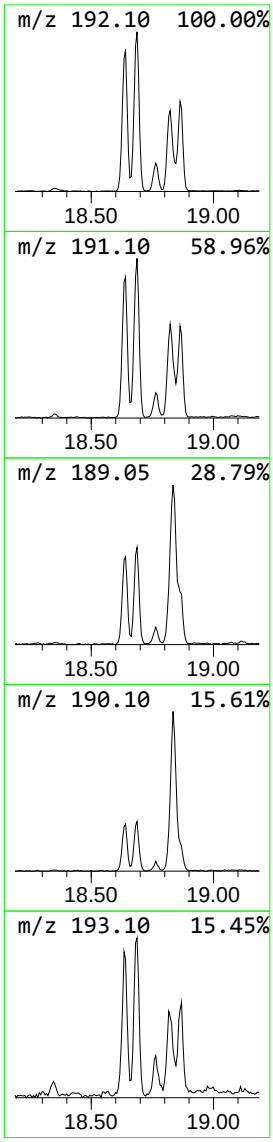
****

Peak Number 9 Phenanthrene, 4-methyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.687	35.93 ng	500203	Phenanthrene-d10	17.771

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	94
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	94
3	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	93
4	Anthracene, 1-methyl-	192	C15H12	000610-48-0	93
5	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	93





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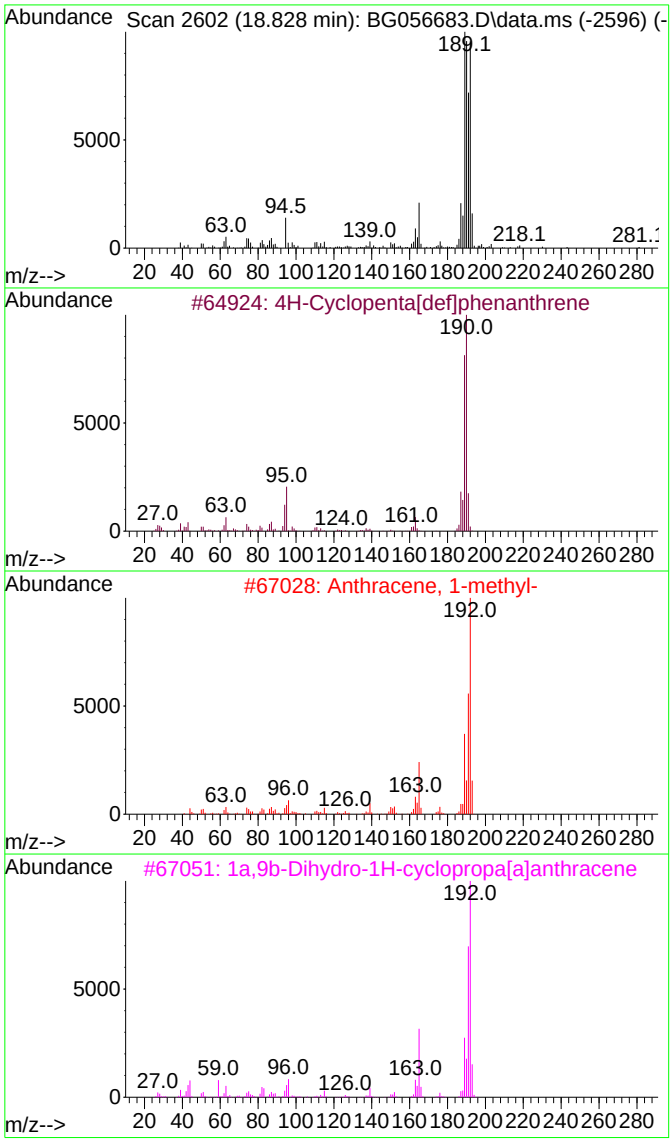
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

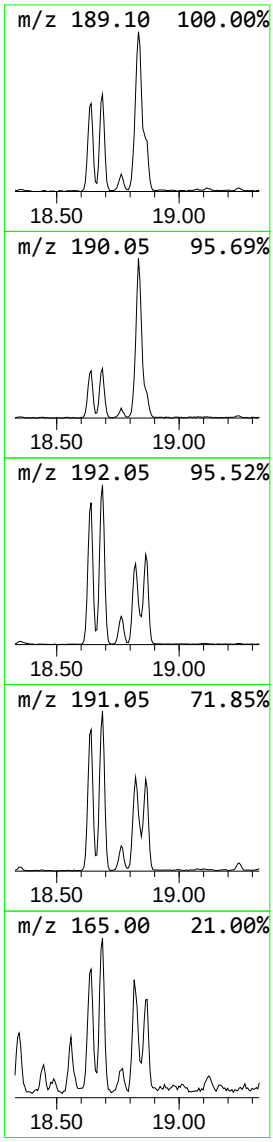
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 10 4H-Cyclopenta[def]phenanthrene Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.828	42.64 ng	593694	Phenanthrene-d10	17.771

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	87
2	Anthracene, 1-methyl-	192	C15H12	000610-48-0	46
3	1a,9b-Dihydro-1H-cyclopropa[a]an...	192	C15H12	006109-24-6	46
4	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	46
5	Anthracene, 2-methyl-	192	C15H12	000613-12-7	41





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ALS Vial : 4 Sample Multiplier: 1

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

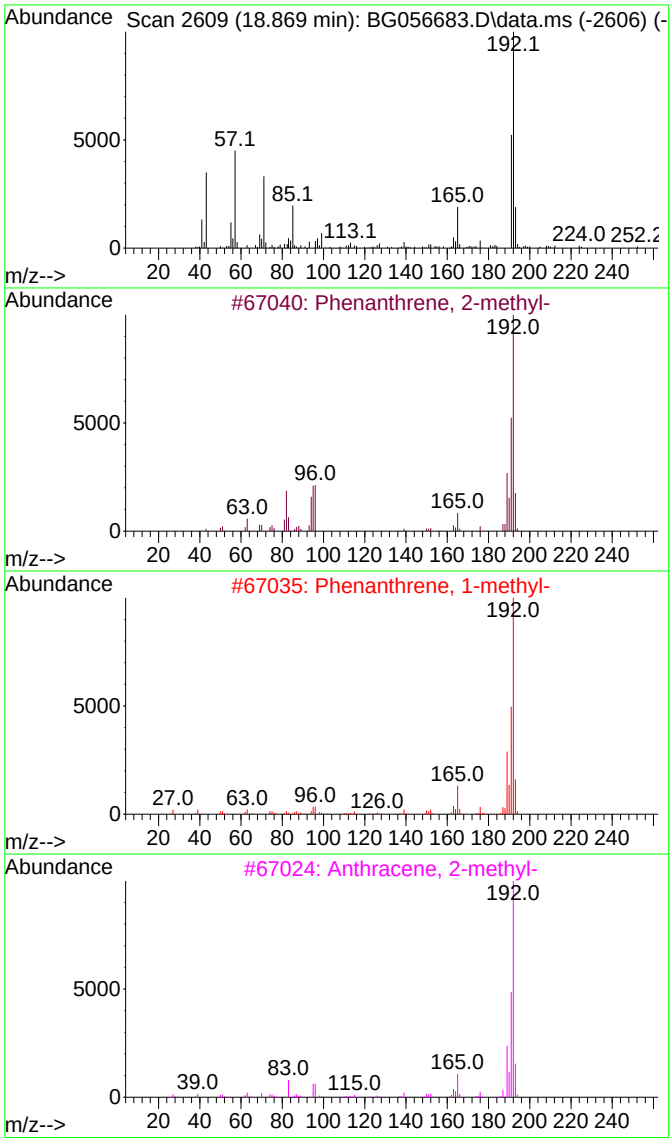
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

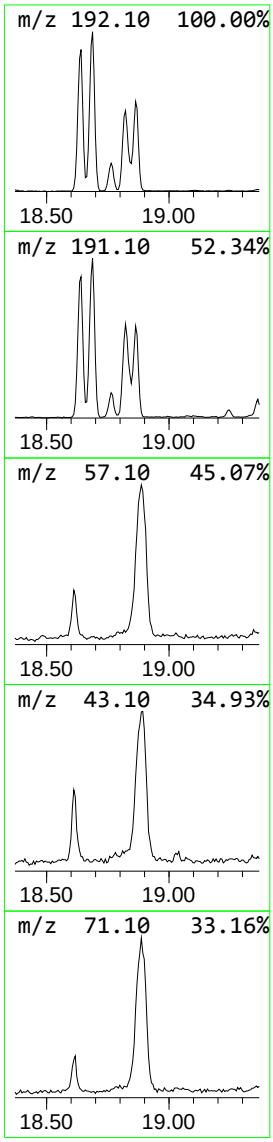
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.869	43.97 ng	612246	Phenanthrene-d10	17.771

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	70
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	70
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	70
4	Phenanthrene, 3-methyl-	192	C15H12	000832-71-3	62
5	Anthracene, 9-methyl-	192	C15H12	000779-02-2	62





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Sample : 01552-02
Misc :
ALS Vial : 4 Sample Multiplier: 1

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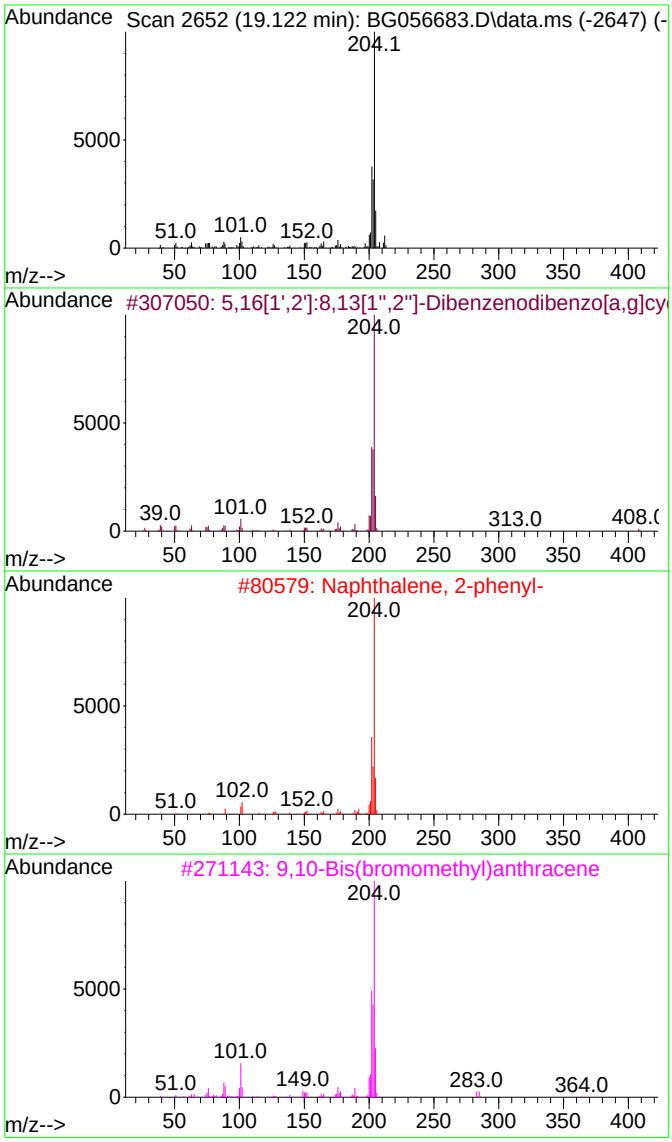
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

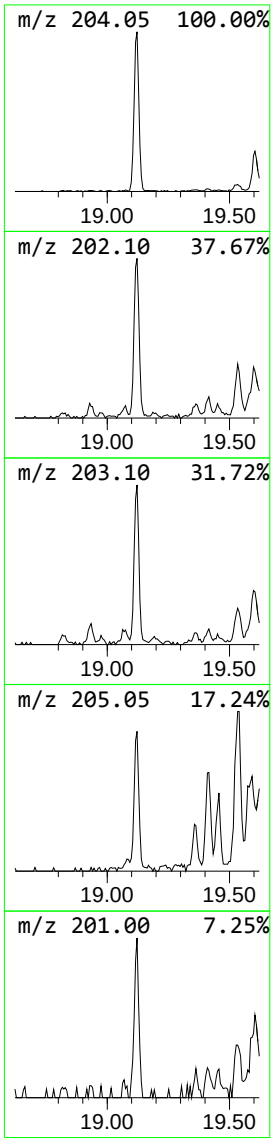
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 12 5,16[1',2']:8,13[1'',2'']-D... Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.122	13.55 ng	188660	Phenanthrene-d10	17.771

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	87
2	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	81
3	9,10-Bis(bromomethyl)anthracene	362	C16H12Br2	034373-96-1	78
4	9-Acridinecarbonitrile	204	C14H8N2	005326-19-2	53
5	Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	52





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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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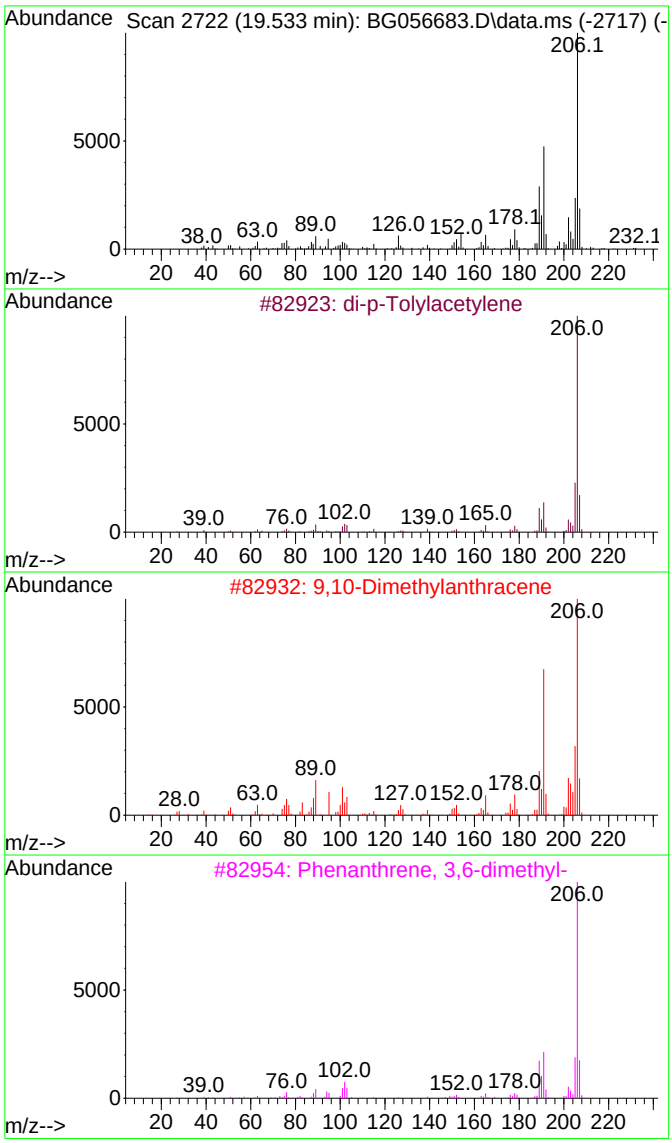
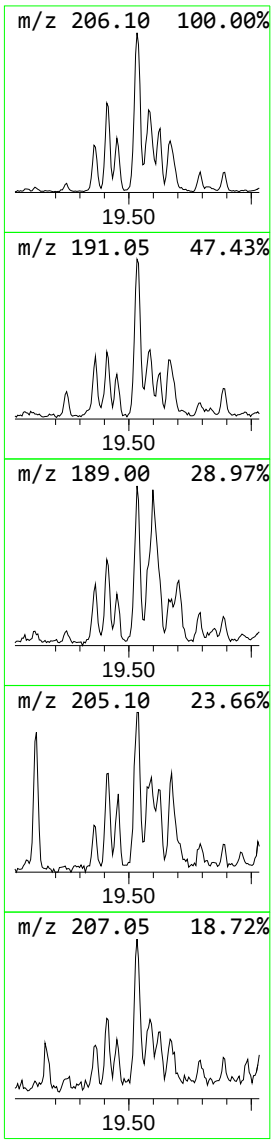
Peak Number 13 di-p-Tolylacetylene Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.533	19.23 ng	267690	Phenanthrene-d10	17.771

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	di-p-Tolylacetylene	206	C16H14	002789-88-0	91
2	9,10-Dimethylanthracene	206	C16H14	000781-43-1	91
3	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	90
4	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	87
5	3,4-Dimethylphenanthrene	206	C16H14	1000452-24-5	87





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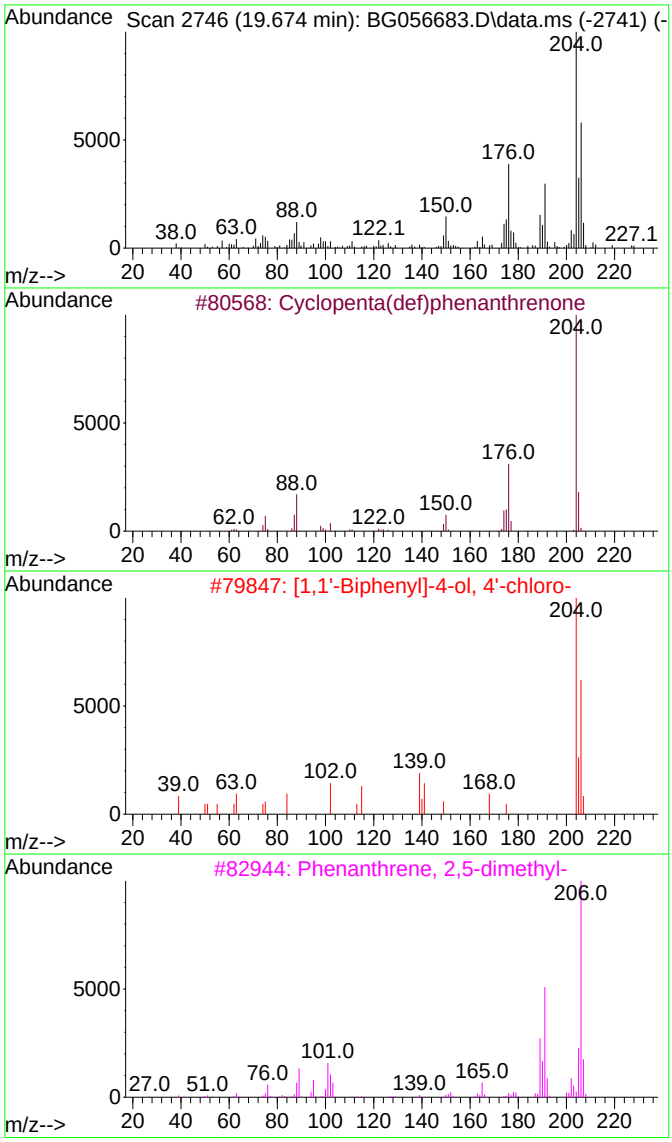
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

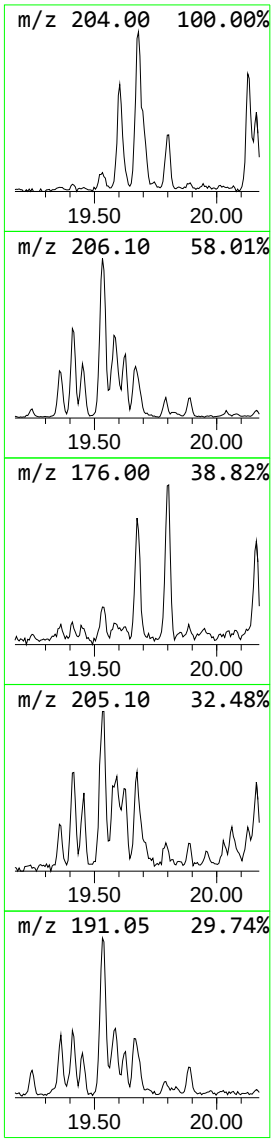
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 14 Cyclopenta(def)phenanthrenone Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.674	13.52 ng	188267	Phenanthrene-d10	17.771

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	60
2	[1,1'-Biphenyl]-4-ol, 4'-chloro-	204	C12H9ClO	028034-99-3	49
3	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	42
4	[14]Annulene, 1,6:8,13-bis(metha...	206	C16H14	085385-68-8	41
5	9,10-Dimethylanthracene	206	C16H14	000781-43-1	38





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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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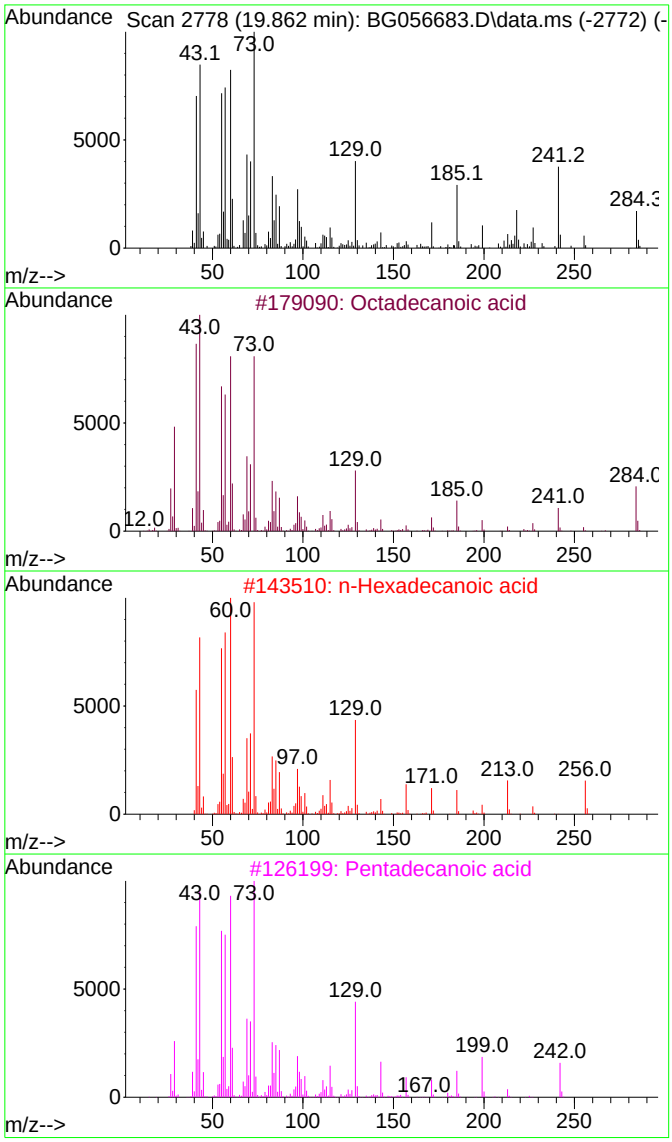
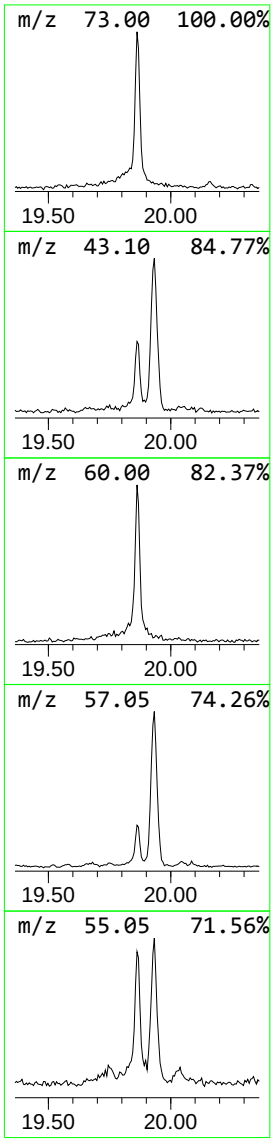
Peak Number 15 Octadecanoic acid Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.862	29.87 ng	415920	Phenanthrene-d10	17.771

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octadecanoic acid	284	C18H36O2	000057-11-4	95
2	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	94
3	Pentadecanoic acid	242	C15H30O2	001002-84-2	90
4	Tetradecanoic acid	228	C14H28O2	000544-63-8	83
5	Octadecanoic acid, 2-(2-hydroxye...	372	C22H44O4	000106-11-6	64





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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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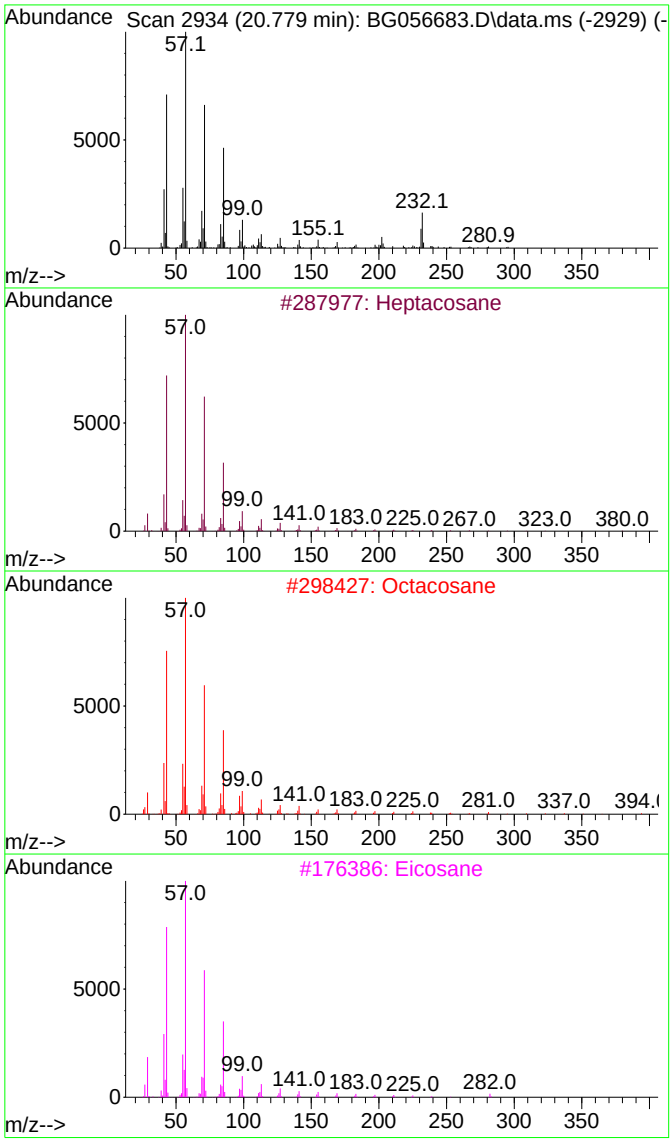
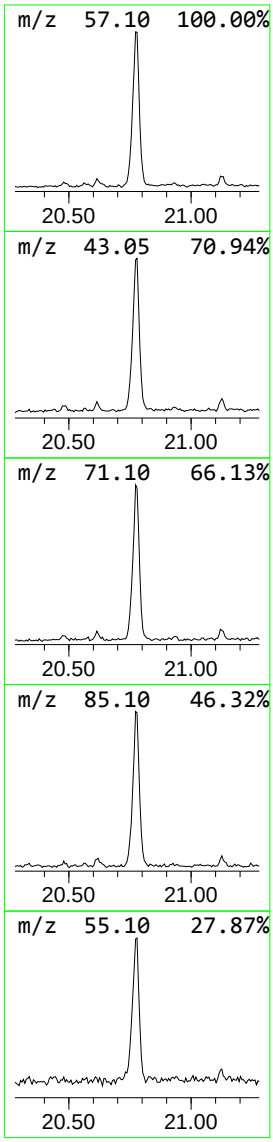
Peak Number 16 Heptacosane Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.779	12.49 ng	687440	Chrysene-d12	22.089

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptacosane	380	C27H56	000593-49-7	87
2	Octacosane	394	C28H58	000630-02-4	87
3	Eicosane	282	C20H42	000112-95-8	83
4	Tetracosane	338	C24H50	000646-31-1	81
5	Pentadecane	212	C15H32	000629-62-9	80





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ALS Vial : 4 Sample Multiplier: 1

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ClientSampleId :
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Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG021523.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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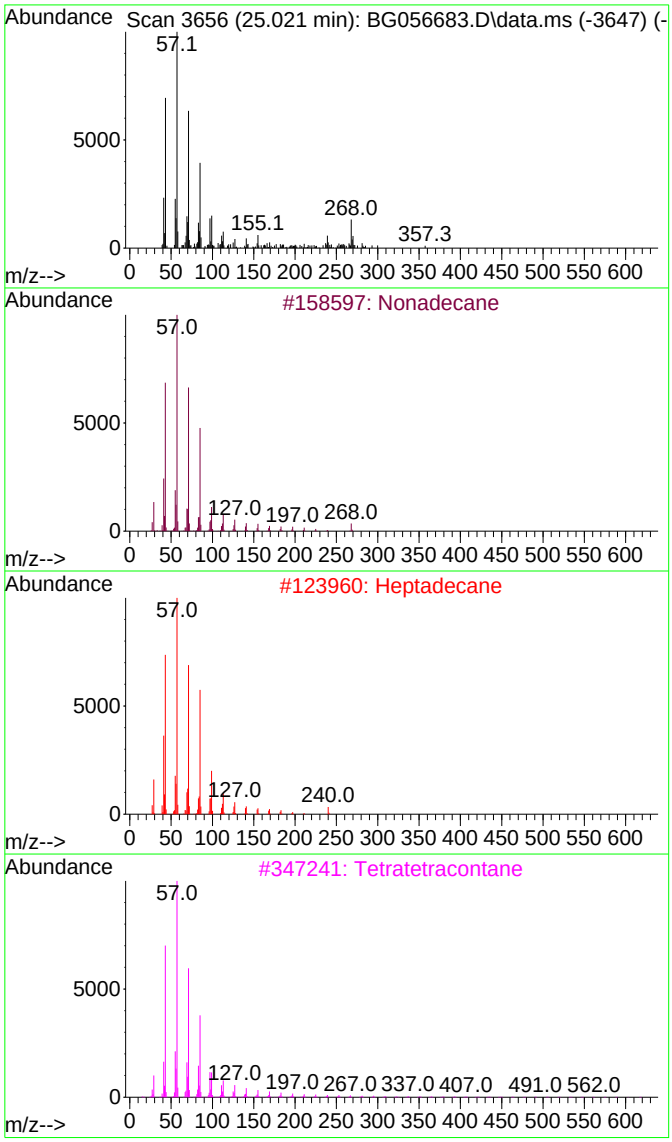
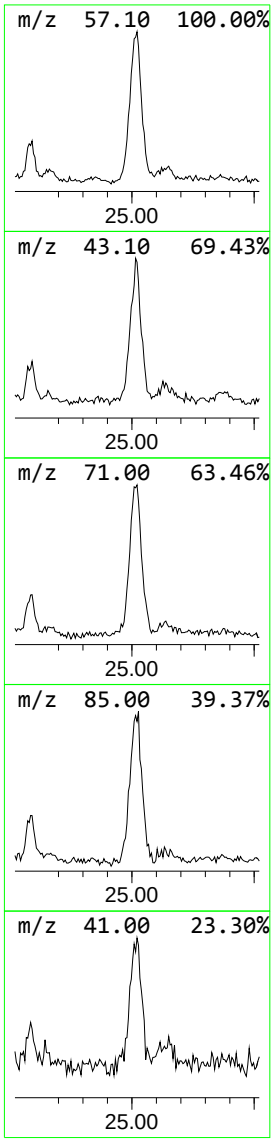
Peak Number 17 Nonadecane Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
25.021	20.71 ng	291431	Perylene-d12	25.632

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Nonadecane	268	C19H40	000629-92-5	90
2	Heptadecane	240	C17H36	000629-78-7	89
3	Tetratetracontane	619	C44H90	007098-22-8	87
4	Octacosane	394	C28H58	000630-02-4	87
5	Tetracosane	338	C24H50	000646-31-1	87





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG022123\
Data File : BG056683.D
Acq On : 21 Feb 2023 13:37
Operator : CG/JU
Sample : 01552-02
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
SB-01-4.0-6.0

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG021523.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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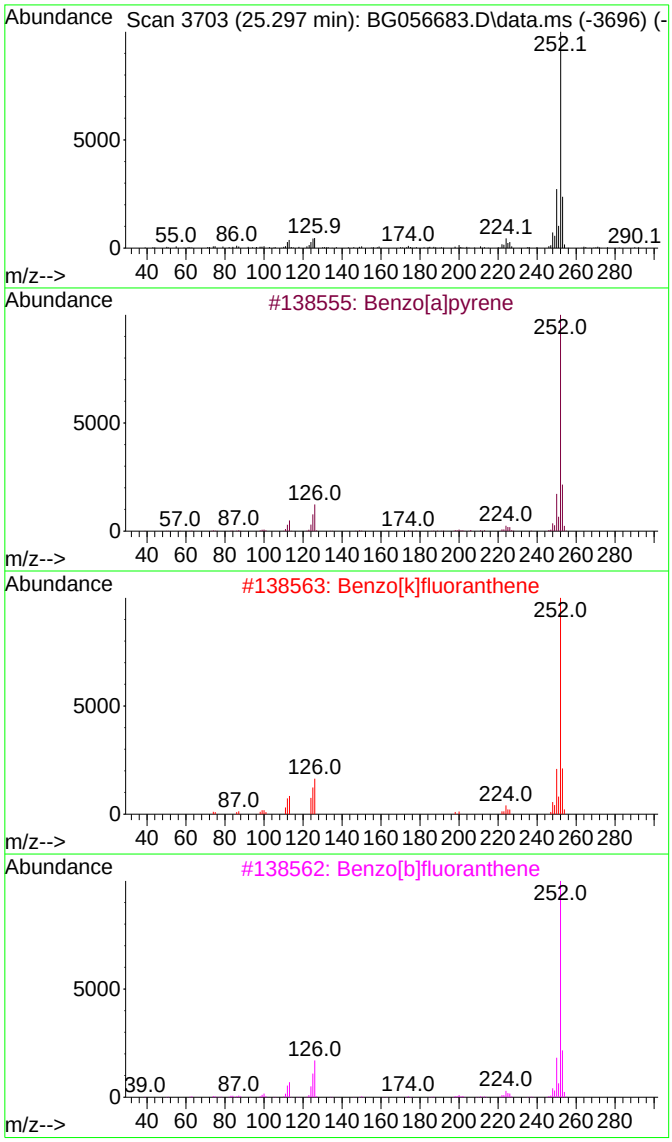
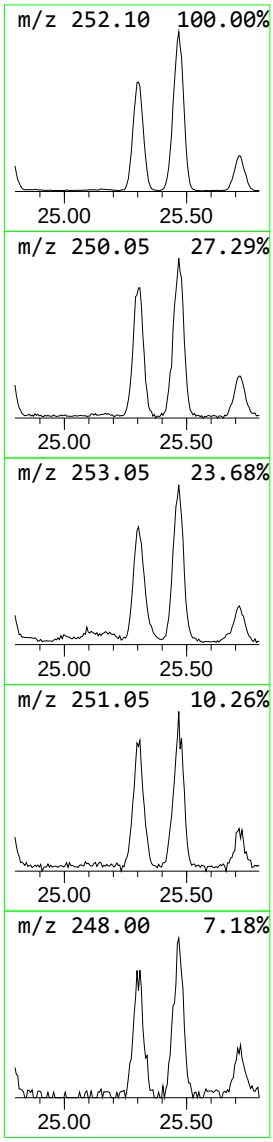
Peak Number 18 Benzo[j]fluoranthene Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
25.297	26.58 ng	373992	Perylene-d12	25.632

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[a]pyrene	252	C20H12	000050-32-8	91
2	Benzo[k]fluoranthene	252	C20H12	000207-08-9	90
3	Benzo[b]fluoranthene	252	C20H12	000205-99-2	90
4	Benzo[j]fluoranthene	252	C20H12	000205-82-3	89
5	Benzo[e]pyrene	252	C20H12	000192-97-2	81





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG022123\
Data File : BG056683.D
Acq On : 21 Feb 2023 13:37
Operator : CG/JU
Sample : 01552-02
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
SB-01-4.0-6.0

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG021523.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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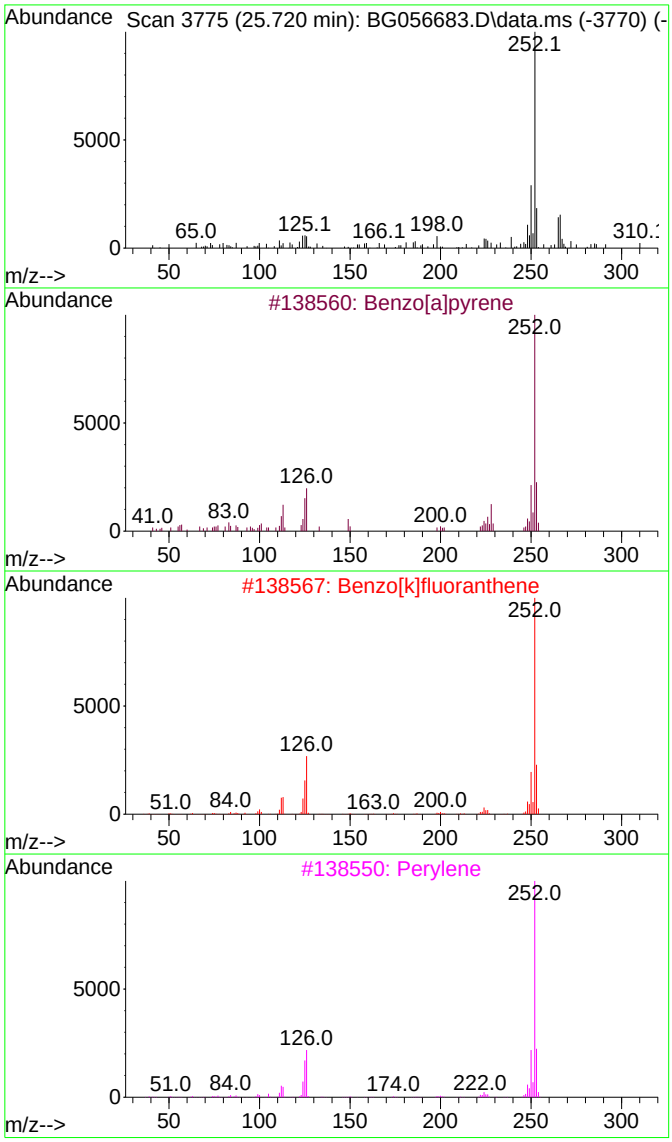
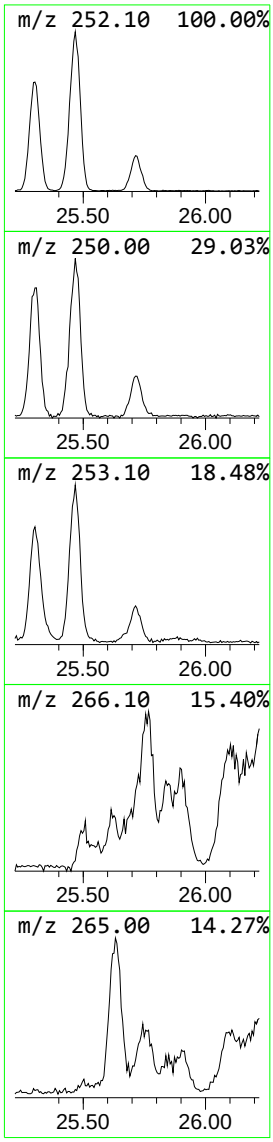
Peak Number 19 Perylene Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
25.720	13.52 ng	190190	Perylene-d12	25.632

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[a]pyrene	252	C20H12	000050-32-8	64
2	Benzo[k]fluoranthene	252	C20H12	000207-08-9	58
3	Perylene	252	C20H12	000198-55-0	52
4	Benzo[e]pyrene	252	C20H12	000192-97-2	52
5	Benzo[j]fluoranthene	252	C20H12	000205-82-3	50





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG022123\
Data File : BG056683.D
Acq On : 21 Feb 2023 13:37
Operator : CG/JU
Sample : 01552-02
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
SB-01-4.0-6.0

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG021523.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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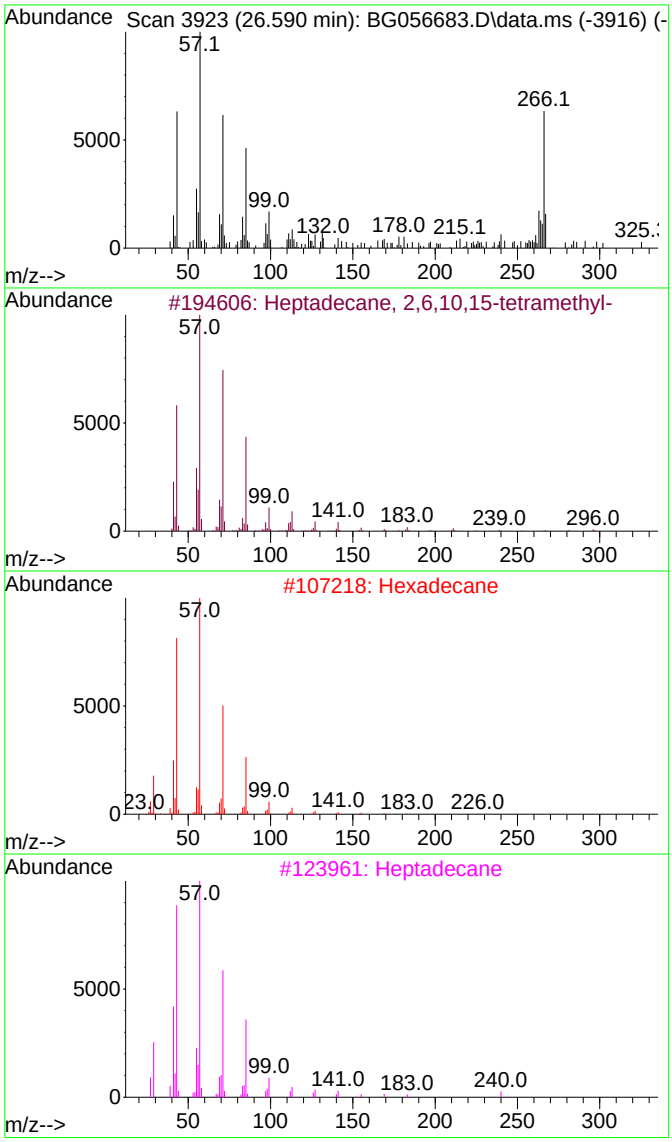
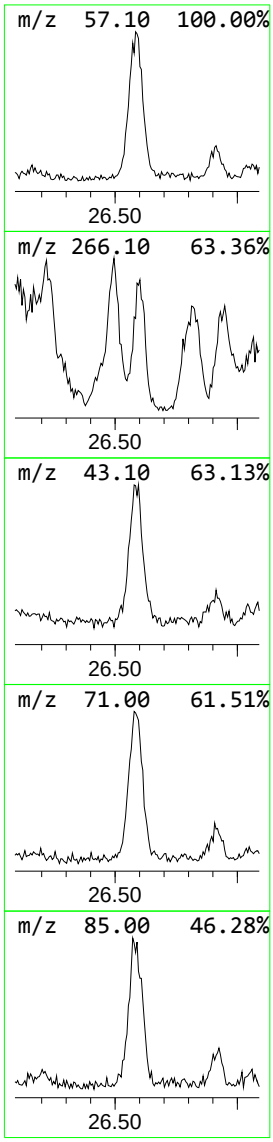
Peak Number 20 Heptadecane, 2,6,10,15-tetr... Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
26.590	20.45 ng	287731	Perylene-d12	25.632

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptadecane, 2,6,10,15-tetramethyl-	296	C21H44	054833-48-6	95
2	Hexadecane	226	C16H34	000544-76-3	86
3	Heptadecane	240	C17H36	000629-78-7	83
4	4-Methylheneicosane	310	C22H46	025117-29-7	49
5	Hentriacontane	437	C31H64	000630-04-6	46





Tentatively Identified Compound (LSC) summary

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG022123\
Data File : BG056683.D
Acq On : 21 Feb 2023 13:37
Operator : CG/JU
Sample : 01552-02
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
SB-01-4.0-6.0

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG021523.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
Propane, 2-meth...	5.462	31.4	ng	203490	1	8.429	129534	20.0
Benzene, (1-bro...	10.297	19.6	ng	175486	2	11.267	179384	20.0
p-Cymene	11.784	28.7	ng	257285	2	11.267	179384	20.0
o-Cymene	11.919	34.9	ng	312846	2	11.267	179384	20.0
Naphthalene, 1,...	14.357	17.9	ng	201370	3	15.033	225596	20.0
Benzophenone	16.366	14.1	ng	158694	3	15.033	225596	20.0
9H-Fluoren-9-one	17.418	14.0	ng	195381	4	17.771	278467	20.0
Anthracene, 1-m...	18.640	45.0	ng	625853	4	17.771	278467	20.0
Phenanthrene, 4...	18.687	35.9	ng	500203	4	17.771	278467	20.0
4H-Cyclopenta[d...	18.828	42.6	ng	593694	4	17.771	278467	20.0
Phenanthrene, 2...	18.869	44.0	ng	612246	4	17.771	278467	20.0
5,16[1',2']:8,1...	19.122	13.6	ng	188660	4	17.771	278467	20.0
di-p-Tolylacety...	19.533	19.2	ng	267690	4	17.771	278467	20.0
Cyclopenta(def)...	19.674	13.5	ng	188267	4	17.771	278467	20.0
Octadecanoic acid	19.862	29.9	ng	415920	4	17.771	278467	20.0
Heptacosane	20.779	12.5	ng	687440	5	22.089	1100720	20.0
Nonadecane	25.021	20.7	ng	291431	6	25.632	281395	20.0
Benzo[j]fluoran...	25.297	26.6	ng	373992	6	25.632	281395	20.0
Perylene	25.720	13.5	ng	190190	6	25.632	281395	20.0
Heptadecane, 2,...	26.590	20.4	ng	287731	6	25.632	281395	20.0