LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG121522\
Data File : BG055982.D
Acq On : 15 Dec 2022 18:29
Operator : CG/JU
Sample : N6037-01
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
RB-16-(2.5-4.5)

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-BG121322.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BG055982.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	3.404	16	20	26	rBV	17507	24432	3.92%	0.306%
2	5.420	358	363	368	rBB2	12249	18588	2.98%	0.233%
3	5.890	437	443	451	rBB	105587	169020	27.11%	2.117%
4	7.506	710	718	724	rBB	111346	192456	30.86%	2.410%
5	8.375	860	866	872	rBB	30289	50664	8.13%	0.635%
6	9.544	1058	1065	1072	rBB	67473	121379	19.47%	1.520%
7	11.207	1341	1348	1353	rBV	42760	73359	11.76%	0.919%
8	11.260	1353	1357	1362	rVB	7338	11139	1.79%	0.140%
9	12.835	1619	1625	1631	rBB	27174	42238	6.77%	0.529%
10	13.052	1654	1662	1668	rBB	23870	38296	6.14%	0.480%
11	13.610	1750	1757	1764	rBB	242722	369976	59.33%	4.634%
12	13.816	1790	1792	1797	rVB	5004	6834	1.10%	0.086%
13	14.016	1821	1826	1834	rBB	10384	17373	2.79%	0.218%
14	14.145	1843	1848	1849	rBV	12064	14715	2.36%	0.184%
15	14.162	1849	1851	1856	rVB2	14457	17276	2.77%	0.216%
16	14.303	1869	1875	1880	rBV2	25431	43430	6.96%	0.544%
17	14.356	1880	1884	1890	rVB2	17051	24275	3.89%	0.304%
18	14.538	1910	1915	1919	rBV2	13654	21764	3.49%	0.273%
19	14.703	1939	1943	1951	rVB3	9155	13431	2.15%	0.168%
20	14.944	1980	1984	1986	rBV	7264	11173	1.79%	0.140%
21	14.979	1986	1990	1996	rVV	78060	115291	18.49%	1.444%
22	15.044	1996	2001	2007	rVB2	40591	61906	9.93%	0.775%
23	15.179	2018	2024	2033	rBB3	7352	17610	2.82%	0.221%
24	15.285	2033	2042	2049	rBV3	7111	15754	2.53%	0.197%
25	15.367	2049	2056	2062	rVB2	16445	29351	4.71%	0.368%
26	15.443	2064	2069	2075	rVV2	9299	14639	2.35%	0.183%
27	15.584	2087	2093	2097	rBV2	7923	12432	1.99%	0.156%
28	15.637	2097	2102	2106	rVB2	6734	9466	1.52%	0.119%
29	15.755	2115	2122	2125	rBV3	6165	14037	2.25%	0.176%
30	15.790	2125	2128	2133	rVB3	8128	11009	1.77%	0.138%
31	15.925	2147	2151	2156	rVB5	5444	8494	1.36%	0.106%
32	16.019	2161	2167	2176	rVV	31588	56879	9.12%	0.712%
33	16.113	2177	2183	2184	rVV3	7295	10208	1.64%	0.128%
34	16.142	2185	2188	2191	rVV2	10147	15883	2.55%	0.199%
35	16.184	2191	2195	2199	rVV3	11329	19411	3.11%	0.243%
36	16.225	2199	2202	2206	rVV3	6276	10133	1.63%	0.127%

LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG121522\
Data File : BG055982.D
Acq On : 15 Dec 2022 18:29
Operator : CG/JU
Sample : N6037-01
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
RB-16-(2.5-4.5)

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-BG121322.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

37	16.272	2206	2210	2213	rVV4	6706	13077	2.10%	0.164%
38	16.313	2213	2217	2223	rVB4	11448	20917	3.35%	0.262%
39	16.454	2236	2241	2250	rVB	232295	354745	56.89%	4.443%
40	16.648	2268	2274	2276	rBV3	5782	8300	1.33%	0.104%
41	16.677	2277	2279	2286	rVB2	7355	9313	1.49%	0.117%
42	16.989	2326	2332	2334	rBV3	8736	14139	2.27%	0.177%
43	17.018	2334	2337	2341	rVV3	9173	13753	2.21%	0.172%
44	17.065	2341	2345	2351	rVB3	7036	12399	1.99%	0.155%
45	17.159	2357	2361	2367	rVB6	4916	9835	1.58%	0.123%
46	17.224	2367	2372	2375	rBV3	5004	9467	1.52%	0.119%
47	17.288	2380	2383	2389	rVB5	7031	10681	1.71%	0.134%
48	17.365	2390	2396	2402	rBV	44943	66001	10.58%	0.827%
49	17.441	2404	2409	2413	rBV4	7881	10978	1.76%	0.137%
50	17.535	2420	2425	2431	rVB	33620	51795	8.31%	0.649%
51	17.717	2449	2456	2459	rBV	98977	153106	24.55%	1.917%
52	17.764	2459	2464	2470	rVB	409256	600244	96.26%	7.517%
53	17.852	2470	2479	2483	rBV	50106	77019	12.35%	0.965%
54	18.023	2504	2508	2512	rVB2	8431	13910	2.23%	0.174%
55	18.111	2518	2523	2527	rBV2	8121	13916	2.23%	0.174%
56	18.175	2527	2534	2540	rVV10	5682	13868	2.22%	0.174%
57	18.234	2540	2544	2548	rVV2	14980	21744	3.49%	0.272%
58	18.293	2550	2554	2561	rVB	32396	49856	8.00%	0.624%
59	18.393	2566	2571	2574	rBV2	4975	7524	1.21%	0.094%
60	18.440	2574	2579	2586	rVB	15338	27347	4.39%	0.342%
61	18.504	2586	2590	2595	rBV4	11944	20064	3.22%	0.251%
62	18.587	2596	2604	2608	rVV	89864	165666	26.57%	2.075%
63	18.634	2608	2612	2617	rVB	99453	144287	23.14%	1.807%
64	18.710	2621	2625	2630	rVV	16108	21920	3.52%	0.275%
65	18.775	2630	2636	2640	rBV2	84047	169335	27.16%	2.121%
66	18.816	2640	2643	2648	rVB	69760	93762	15.04%	1.174%
67	18.980	2665	2671	2673	rBV2	6985	12337	1.98%	0.155%
68	19.068	2681	2686	2690	rBV	59771	91781	14.72%	1.149%
69	19.115	2690	2694	2704	rVB2	78043	128739	20.65%	1.612%
70	19.198	2704	2708	2711	rBV3	10500	16188	2.60%	0.203%
71	19.315	2718	2728	2732	rBV3	24451	48426	7.77%	0.606%
72	19.362	2733	2736	2739	rVV	13320	15224	2.44%	0.191%
73	19.403	2739	2743	2750	rVB5	18632	30451	4.88%	0.381%
74	19.480	2750	2756	2761	rBV	51970	91301	14.64%	1.143%
75	19.544	2762	2767	2770	rBV6	8649	15473	2.48%	0.194%
76	19.627	2776	2781	2787	rBV2	42773	76334	12.24%	0.956%

LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG121522\
Data File : BG055982.D
Acq On : 15 Dec 2022 18:29
Operator : CG/JU
Sample : N6037-01
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
RB-16-(2.5-4.5)

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 >
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Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG121322.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

77	19.703	2792	2794	2796	rBV2	8746	7753	1.24%	0.097%
78	19.750	2796	2802	2807	rVB	247240	369561	59.27%	4.628%
79	19.803	2807	2811	2813	rBV2	15240	23737	3.81%	0.297%
80	19.932	2828	2833	2837	rVB2	28082	36703	5.89%	0.460%
81	19.991	2837	2843	2850	rBV3	14025	34077	5.46%	0.427%
82	20.108	2850	2863	2869	rBV	328988	555724	89.12%	6.960%
83	20.173	2870	2874	2880	rVB2	19679	32323	5.18%	0.405%
84	20.291	2889	2894	2899	rBV	483494	623551	100.00%	7.809%
85	20.432	2911	2918	2926	rBV4	37832	85548	13.72%	1.071%
86	20.578	2934	2943	2949	rBV	41671	110870	17.78%	1.389%
87	20.749	2966	2972	2976	rBV	52387	82420	13.22%	1.032%
88	20.890	2993	2996	3000	rBV	38430	53998	8.66%	0.676%
89	20.943	3000	3005	3011	rVB	40429	64549	10.35%	0.808%
90	21.377	3074	3079	3085	rBV	49575	83277	13.36%	1.043%
91	21.577	3105	3113	3116	rBV3	24778	69681	11.17%	0.873%
92	21.624	3117	3121	3127	rVV	50738	86239	13.83%	1.080%
93	21.677	3127	3130	3133	rVV3	20208	29317	4.70%	0.367%
94	21.730	3135	3139	3149	rVB2	33881	66316	10.64%	0.831%
95	22.012	3180	3187	3194	rBV3	157682	454577	72.90%	5.693%
96	22.077	3194	3198	3205	rVB	120790	216686	34.75%	2.714%
97	22.811	3320	3323	3328	rVB2	26253	46014	7.38%	0.576%
98	24.409	3588	3595	3597	rBV2	48493	103602	16.61%	1.297%
99	25.361	3750	3757	3766	rBV2	43227	115431	18.51%	1.446%
100	25.531	3778	3786	3798	rBV2	62704	203247	32.60%	2.545%

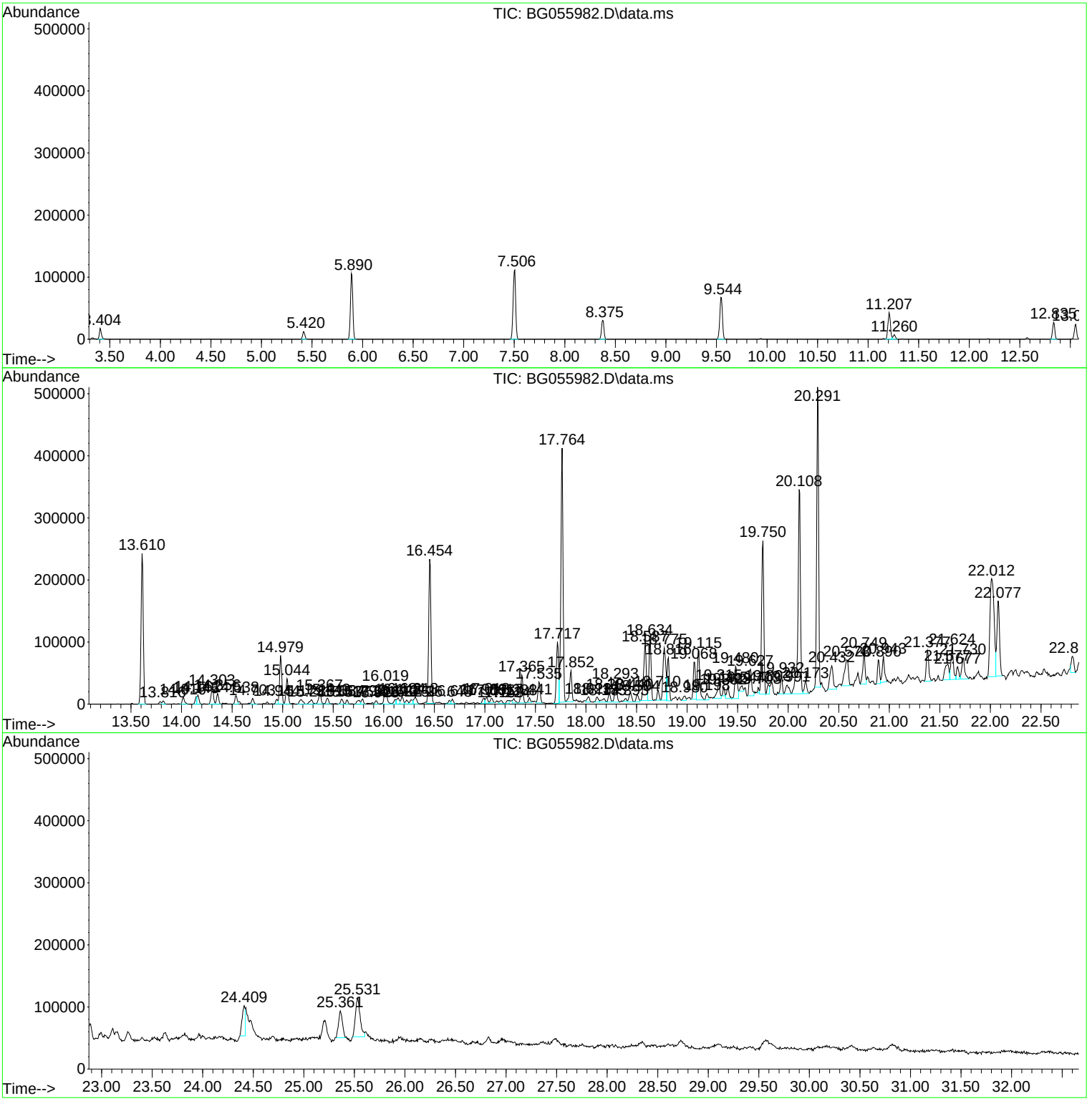
Sum of corrected areas: 7984744

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG121522\
Data File : BG055982.D
Acq On : 15 Dec 2022 18:29
Operator : CG/JU
Sample : N6037-01
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
RB-16-(2.5-4.5)

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG121322.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\BG121522\
Data File : BG055982.D
Acq On : 15 Dec 2022 18:29
Operator : CG/JU
Sample : N6037-01
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
RB-16-(2.5-4.5)

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG121322.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

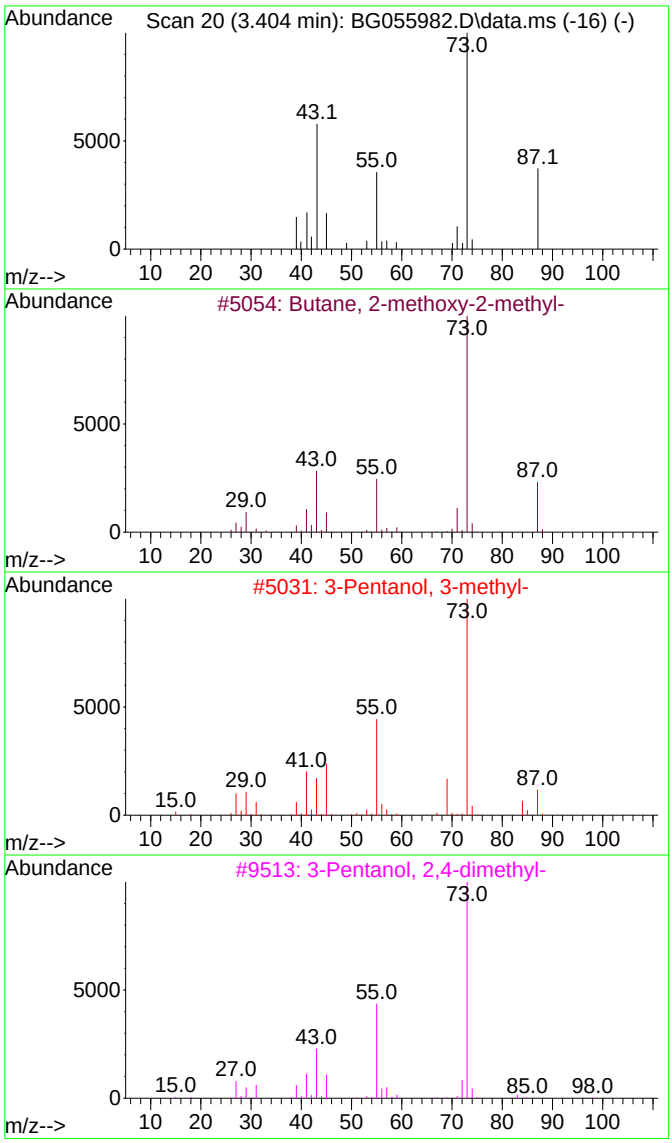
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

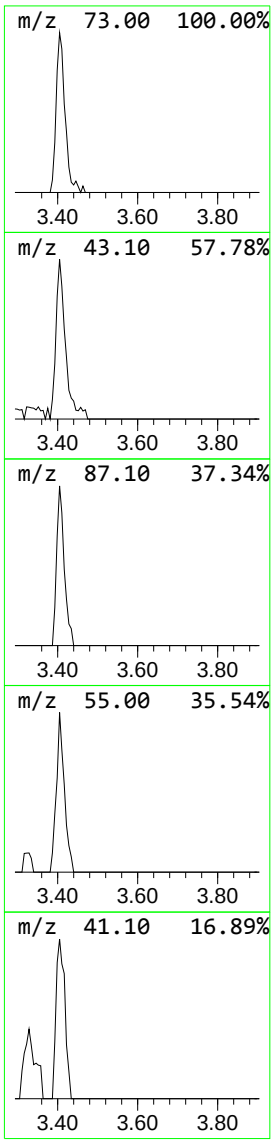
****

Peak Number 1 Butane, 2-methoxy-2-methyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.404	9.64 ng	24432	1,4-Dichlorobenzene-d4	8.375

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butane, 2-methoxy-2-methyl-	102	C6H14O	000994-05-8	78
2	3-Pentanol, 3-methyl-	102	C6H14O	000077-74-7	33
3	3-Pentanol, 2,4-dimethyl-	116	C7H16O	000600-36-2	25
4	2-Methyl-5-hexen-3-ol	114	C7H14O	032815-70-6	25
5	Boronic acid, ethyl-, dimethyl e...	102	C4H11BO2	007318-82-3	17





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG121522\
Data File : BG055982.D
Acq On : 15 Dec 2022 18:29
Operator : CG/JU
Sample : N6037-01
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
RB-16-(2.5-4.5)

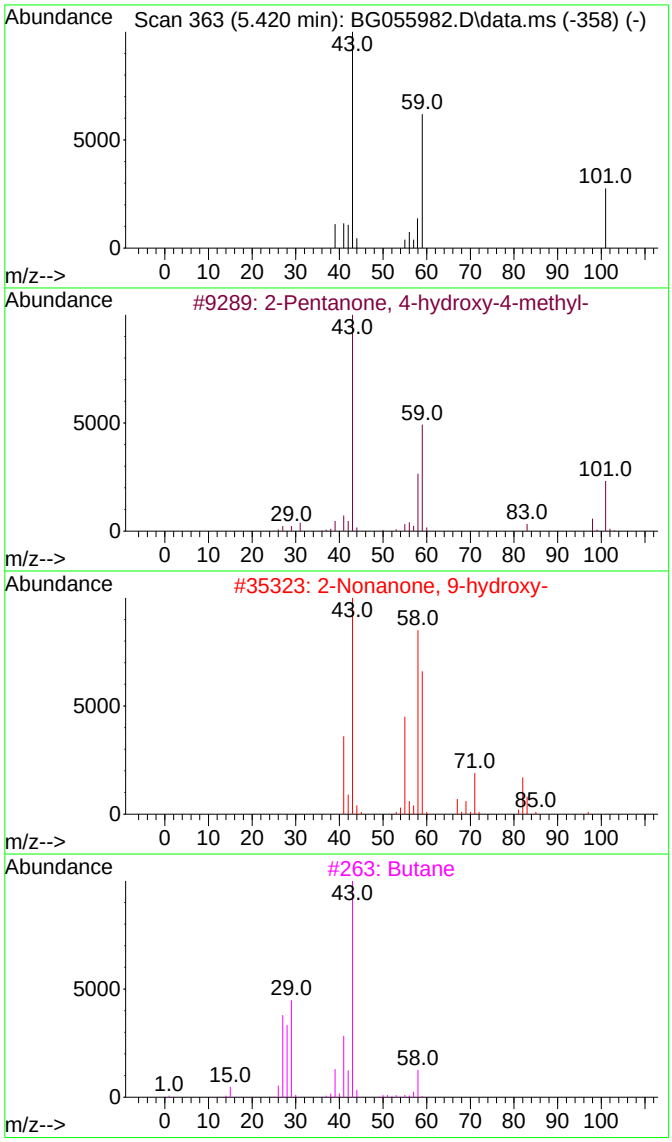
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG121322.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

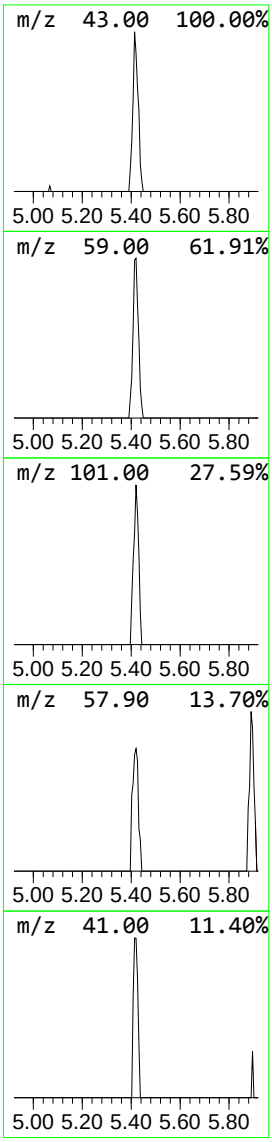
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 2 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.420	7.34 ng	18588	1,4-Dichlorobenzene-d4	8.375

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	40
2	2-Nonanone, 9-hydroxy-	158	C9H18O2	025368-56-3	36
3	Butane	58	C4H10	000106-97-8	16
4	Propylamine	59	C3H9N	000107-10-8	9
5	2,3-Butanedione, monooxime	101	C4H7NO2	000057-71-6	9





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG121522\
Data File : BG055982.D
Acq On : 15 Dec 2022 18:29
Operator : CG/JU
Sample : N6037-01
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
RB-16-(2.5-4.5)

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG121322.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

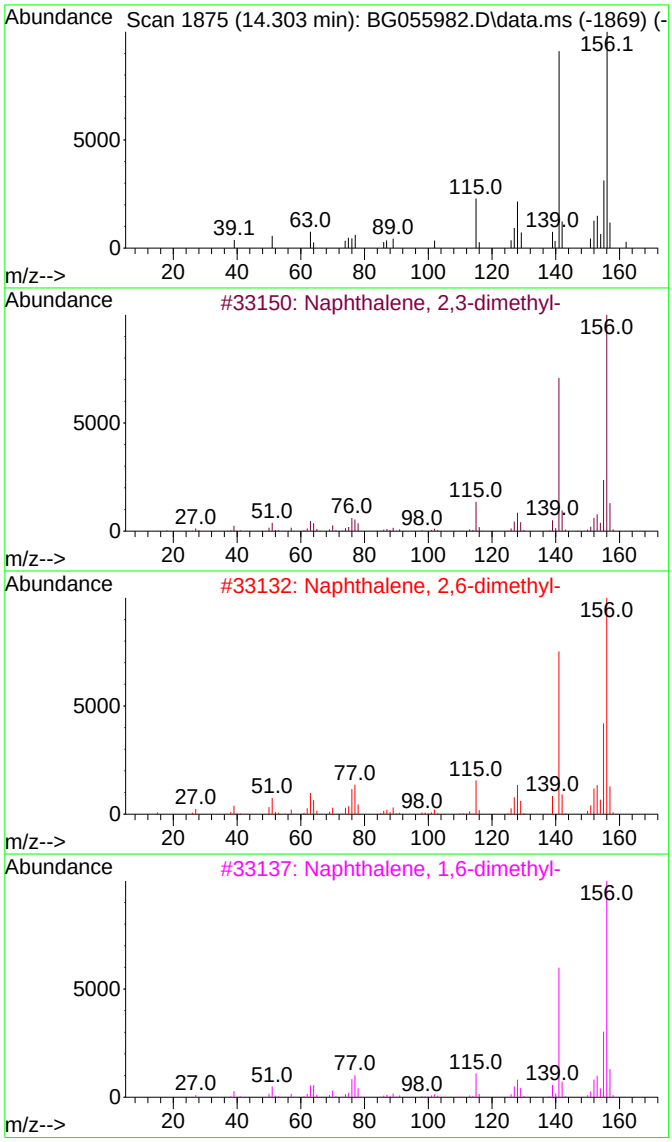
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

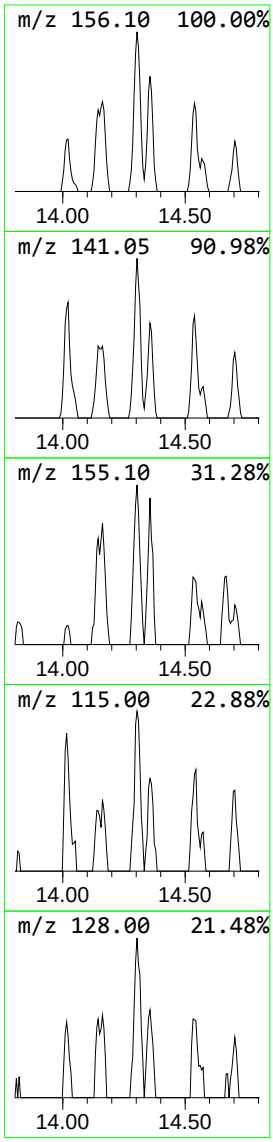
****

Peak Number 3 Naphthalene, 2,3-dimethyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.303	7.53 ng	43430	Acenaphthene-d10	14.979

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	95
2	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	95
3	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	95
4	Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	95
5	Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	94





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG121522\
Data File : BG055982.D
Acq On : 15 Dec 2022 18:29
Operator : CG/JU
Sample : N6037-01
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
RB-16-(2.5-4.5)

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG121322.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

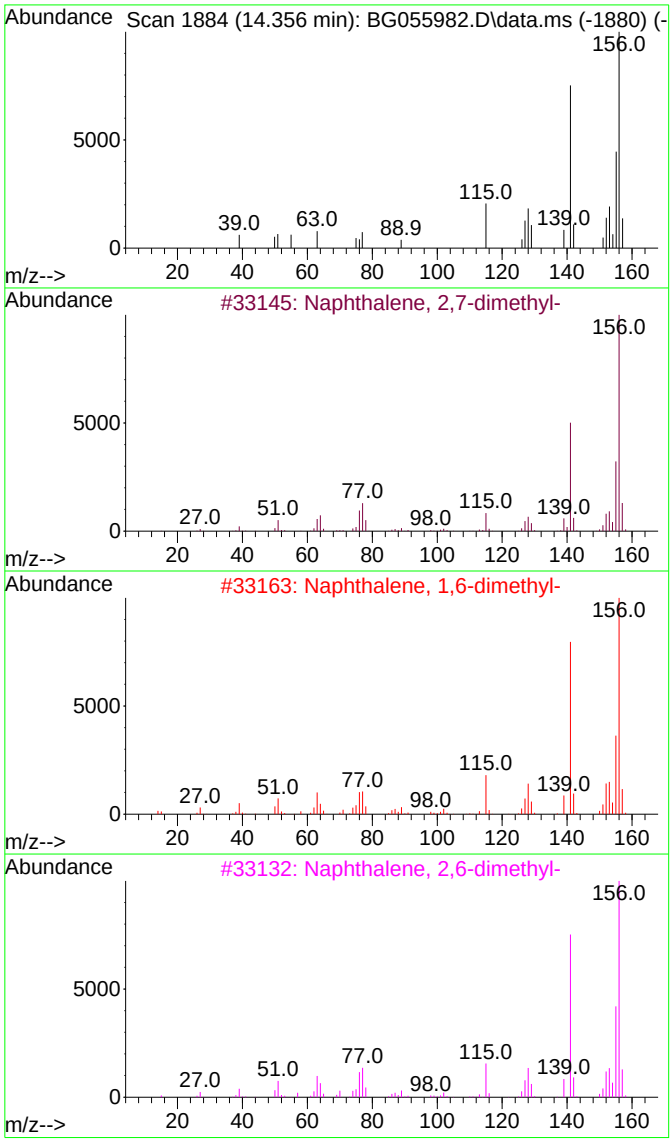
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

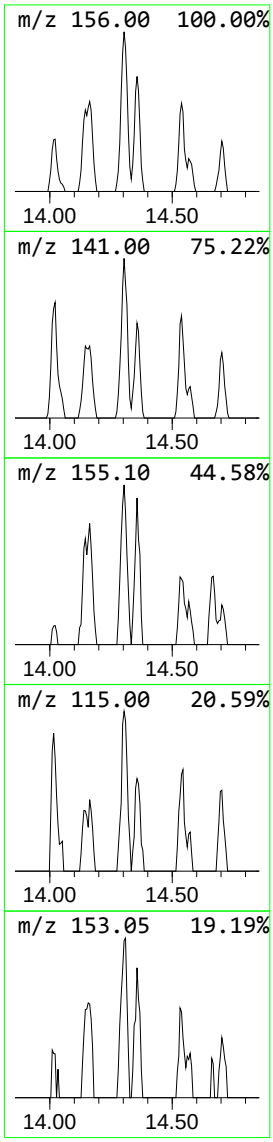
****

Peak Number 4 Naphthalene, 2,7-dimethyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.356	4.21 ng	24275	Acenaphthene-d10	14.979

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	93
2	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	93
3	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	93
4	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	91
5	Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	90





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG121522\
Data File : BG055982.D
Acq On : 15 Dec 2022 18:29
Operator : CG/JU
Sample : N6037-01
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
RB-16-(2.5-4.5)

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG121322.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

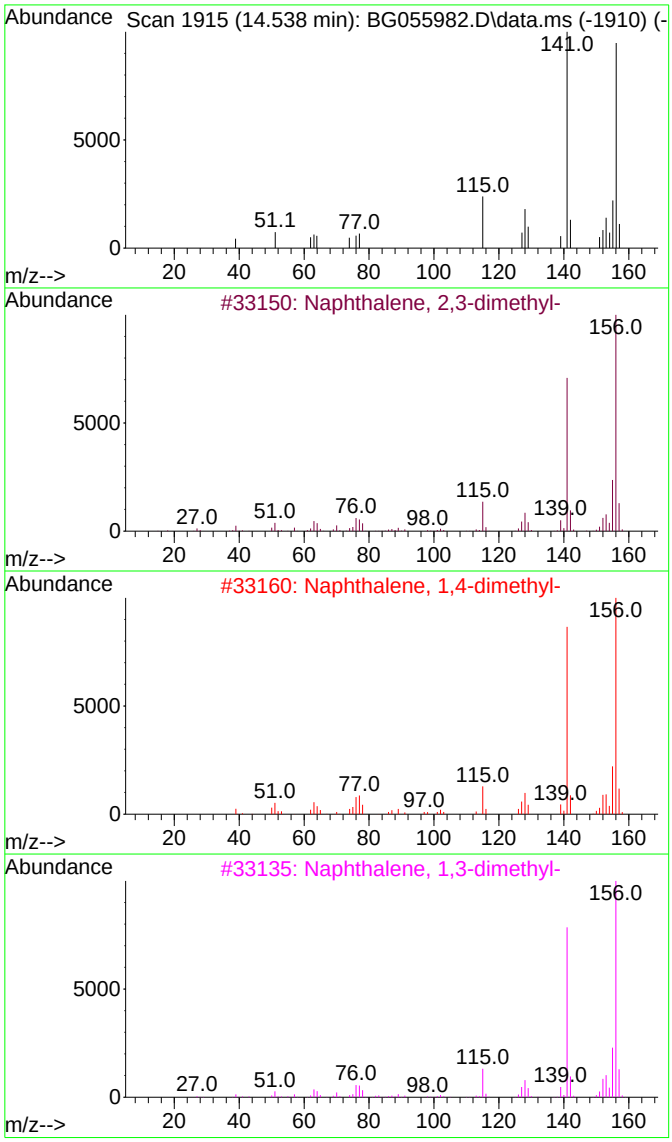
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

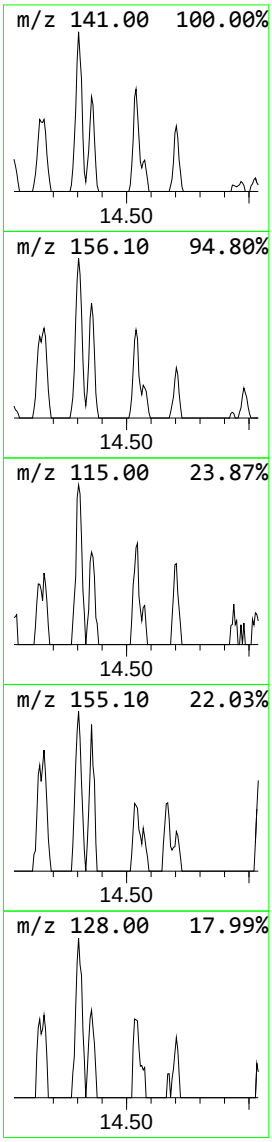
****

Peak Number 5 Naphthalene, 1,4-dimethyl- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.538	3.78 ng	21764	Acenaphthene-d10	14.979

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	94
2	Naphthalene, 1,4-dimethyl-	156	C12H12	000571-58-4	94
3	Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	94
4	Naphthalene, 1,8-dimethyl-	156	C12H12	000569-41-5	91
5	Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	91





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Acq On : 15 Dec 2022 18:29
Operator : CG/JU
Sample : N6037-01
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
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ClientSampleId :
RB-16-(2.5-4.5)

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG121322.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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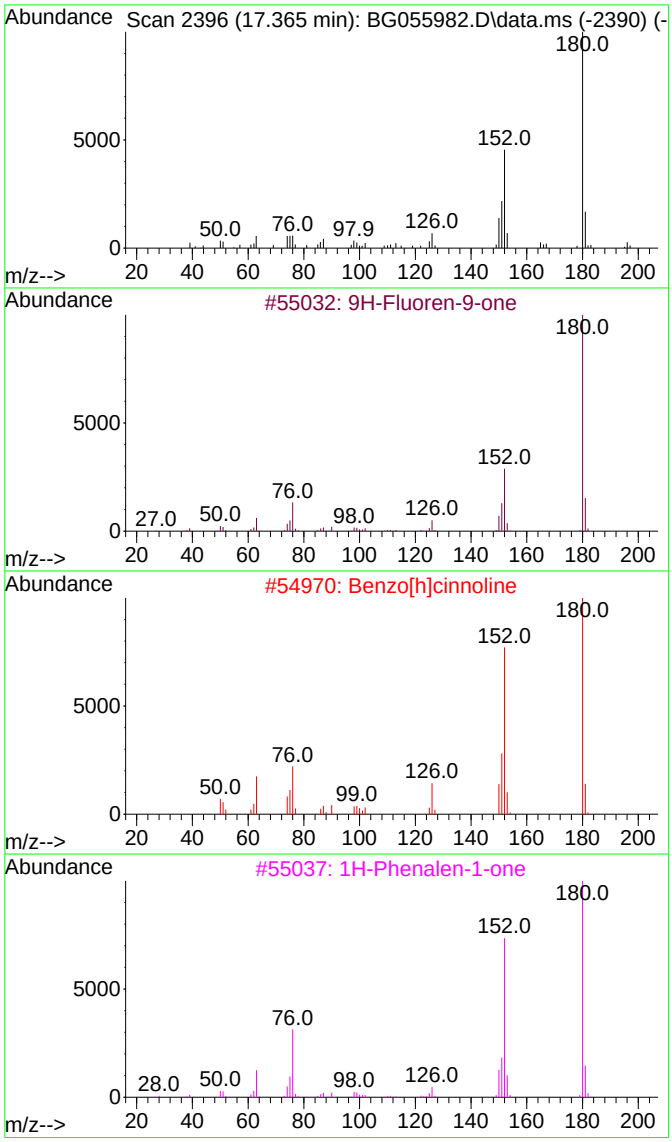
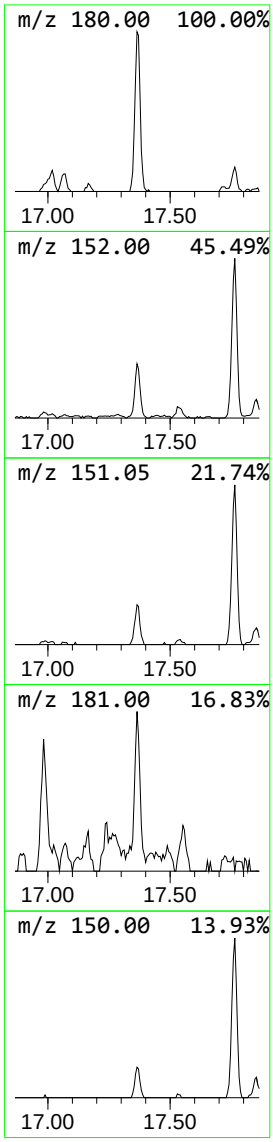
Peak Number 6 9H-Fluoren-9-one Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.365	8.62 ng	66001	Phenanthrene-d10	17.717

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluoren-9-one	180	C13H8O	000486-25-9	94
2	Benzo[h]cinnoline	180	C12H8N2	000230-31-9	90
3	1H-Phenalen-1-one	180	C13H8O	000548-39-0	62
4	6H-Purine-6-thione, 9-ethyl-1,9-...	180	C7H8N4S	005427-20-3	59
5	2,3-Diazaphenanthrene	180	C12H8N2	000229-72-1	45





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Operator : CG/JU
Sample : N6037-01
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
RB-16-(2.5-4.5)

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG121322.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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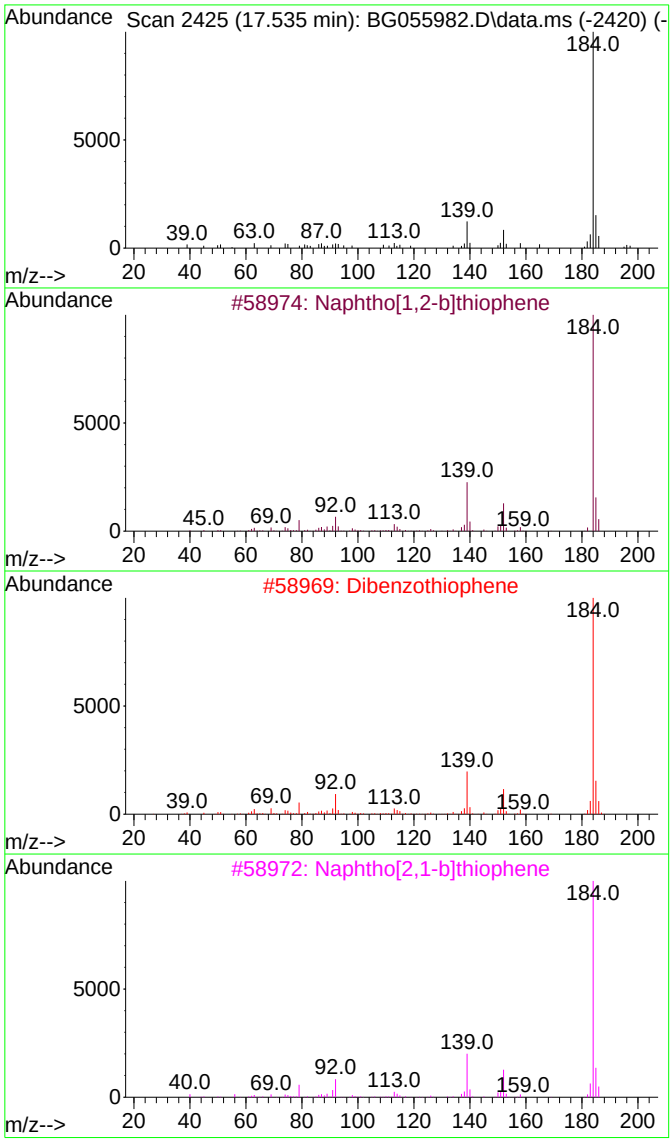
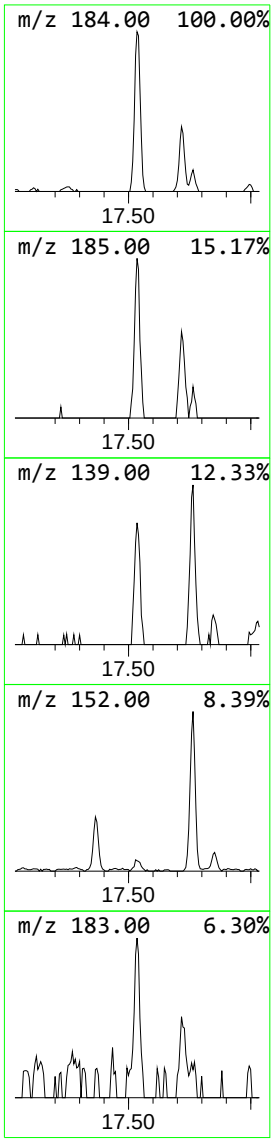
Peak Number 7 Naphtho[1,2-b]thiophene Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.535	6.77 ng	51795	Phenanthrene-d10	17.717

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphtho[1,2-b]thiophene	184	C12H8S	000234-41-3	95
2	Dibenzothiophene	184	C12H8S	000132-65-0	93
3	Naphtho[2,1-b]thiophene	184	C12H8S	000233-02-3	93
4	Naphtho[2,3-b]thiophene	184	C12H8S	000268-77-9	90
5	Azuleno(2,1-b)thiophene	184	C12H8S	000248-13-5	87





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Operator : CG/JU
Sample : N6037-01
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
RB-16-(2.5-4.5)

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG121322.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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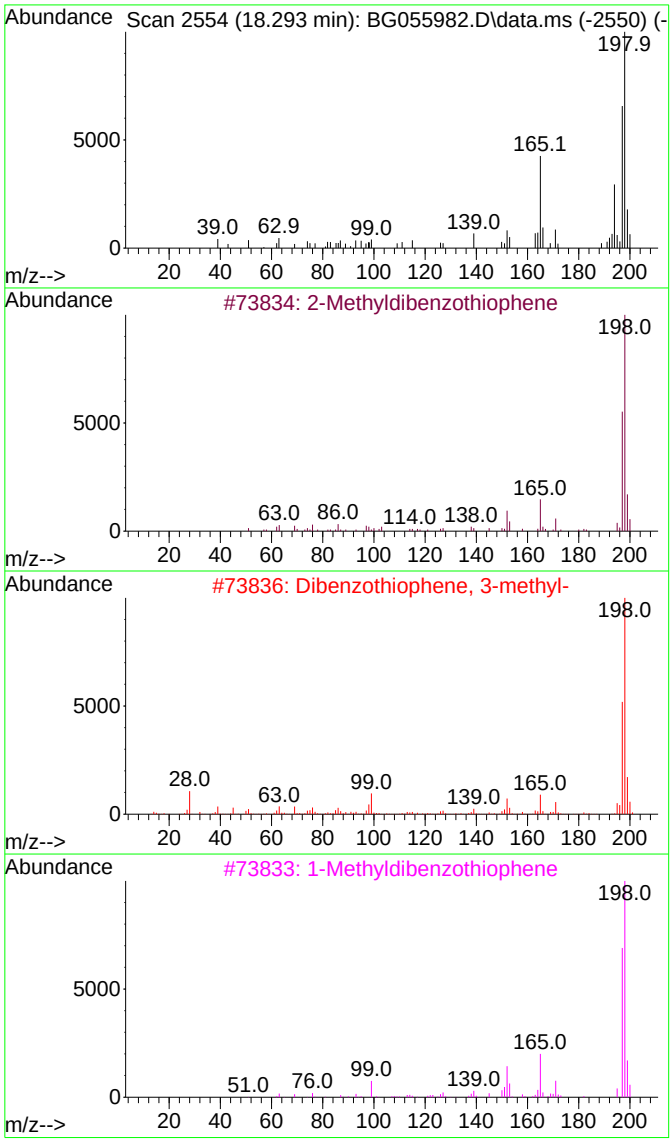
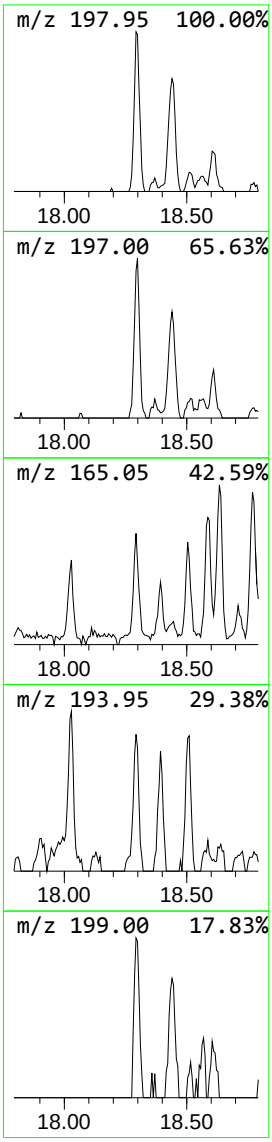
Peak Number 8 2-Methyldibenzothiophene Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.293	6.51 ng	49856	Phenanthrene-d10	17.717

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Methyldibenzothiophene	198	C13H10S	1000383-55-1	70
2	Dibenzothiophene, 3-methyl-	198	C13H10S	016587-52-3	64
3	1-Methyldibenzothiophene	198	C13H10S	031317-07-4	64
4	Thioxanthene	198	C13H10S	000261-31-4	64
5	Dibenzothiophene, 4-methyl-	198	C13H10S	007372-88-5	64





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Sample : N6037-01
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
RB-16-(2.5-4.5)

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG121322.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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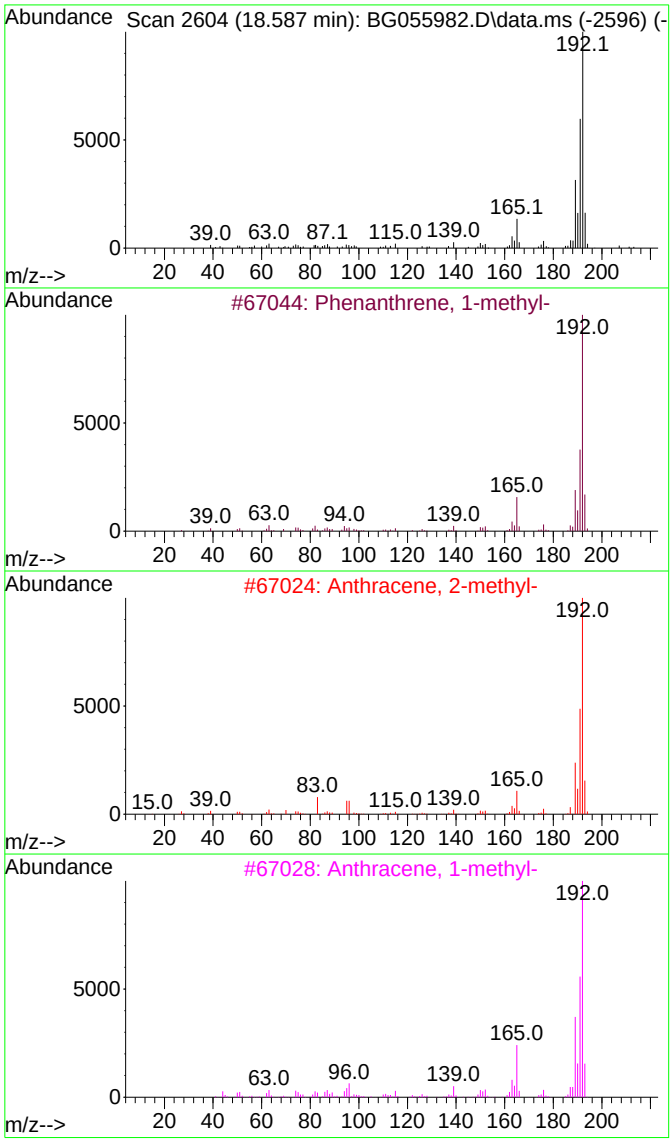
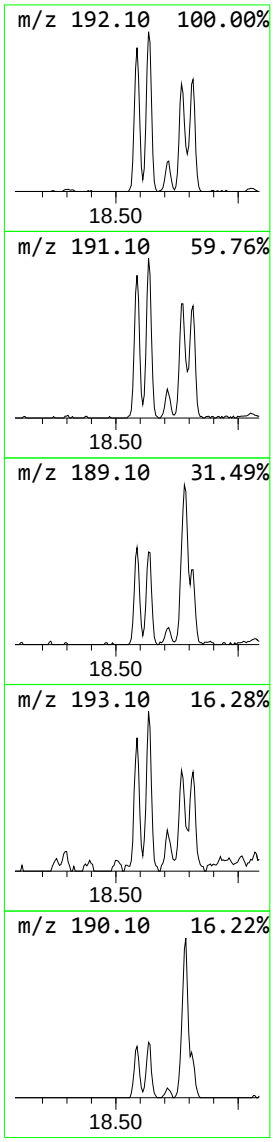
Peak Number 9 Phenanthrene, 1-methyl- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.587	21.64 ng	165666	Phenanthrene-d10	17.717

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	96
2	Anthracene, 2-methyl-	192	C15H12	000613-12-7	95
3	Anthracene, 1-methyl-	192	C15H12	000610-48-0	94
4	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	93
5	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	93





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Operator : CG/JU
Sample : N6037-01
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
RB-16-(2.5-4.5)

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG121322.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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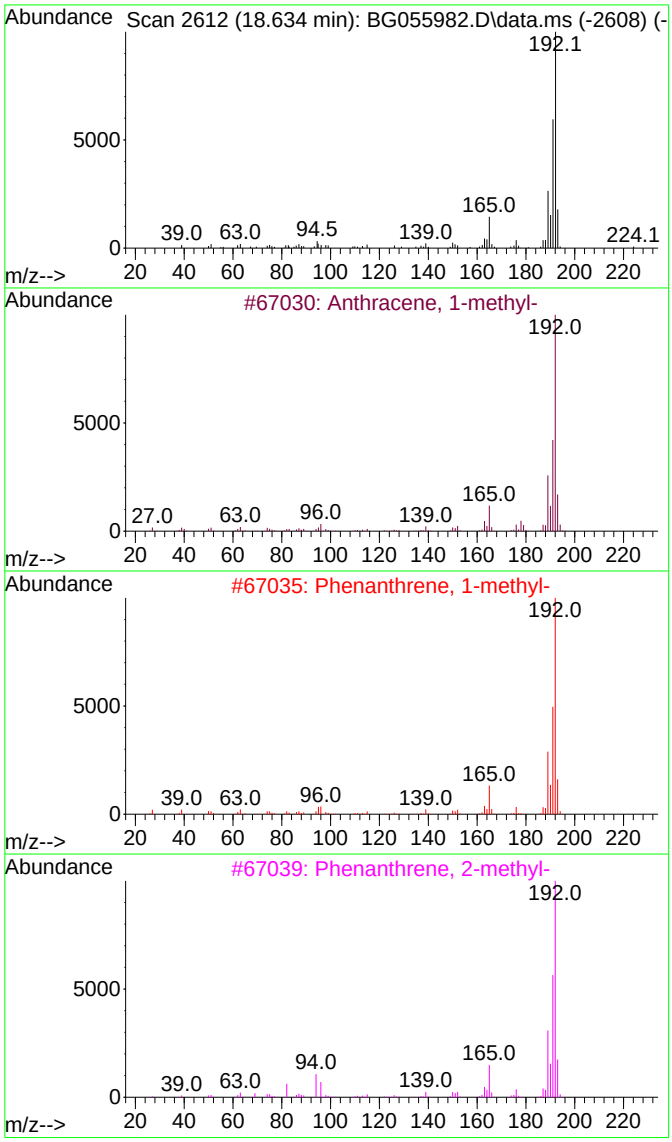
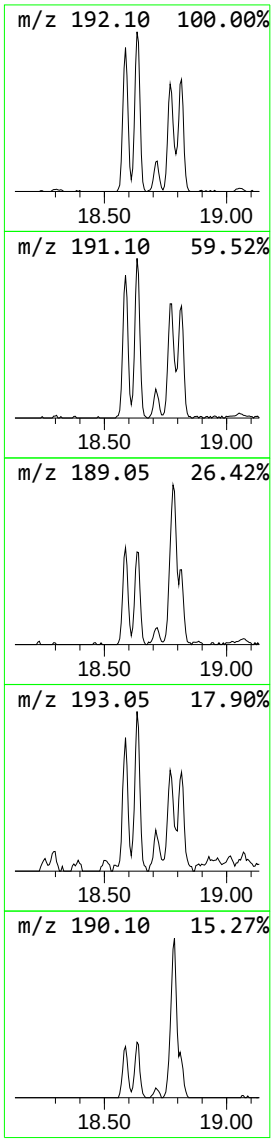
Peak Number 10 Anthracene, 1-methyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.634	18.85 ng	144287	Phenanthrene-d10	17.717

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 1-methyl-	192	C15H12	000610-48-0	95
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	94
3	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	93
4	Anthracene, 9-methyl-	192	C15H12	000779-02-2	93
5	Anthracene, 2-methyl-	192	C15H12	000613-12-7	93





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Operator : CG/JU
Sample : N6037-01
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
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ClientSampleId :
RB-16-(2.5-4.5)

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG121322.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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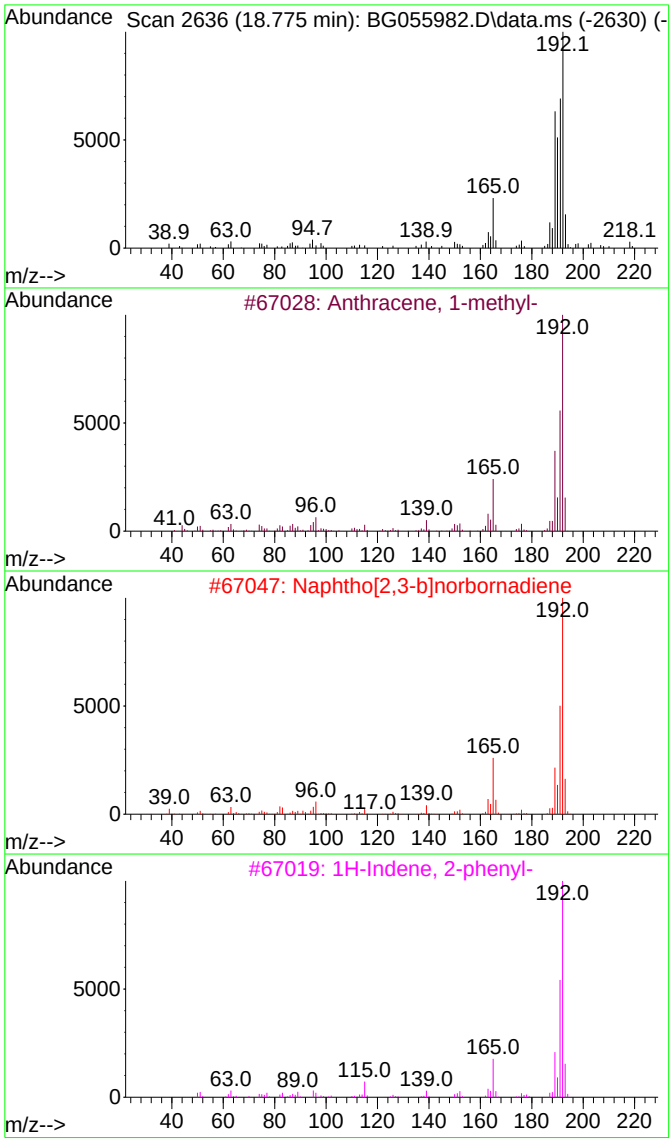
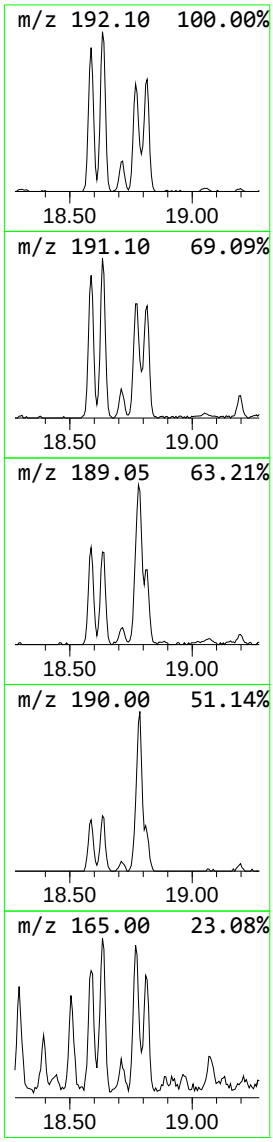
Peak Number 11 Naphtho[2,3-b]norbornadiene Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.775	22.12 ng	169335	Phenanthrene-d10	17.717

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 1-methyl-	192	C15H12	000610-48-0	78
2	Naphtho[2,3-b]norbornadiene	192	C15H12	107426-38-0	64
3	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	64
4	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	64
5	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	64





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Operator : CG/JU
Sample : N6037-01
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
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ClientSampleId :
RB-16-(2.5-4.5)

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG121322.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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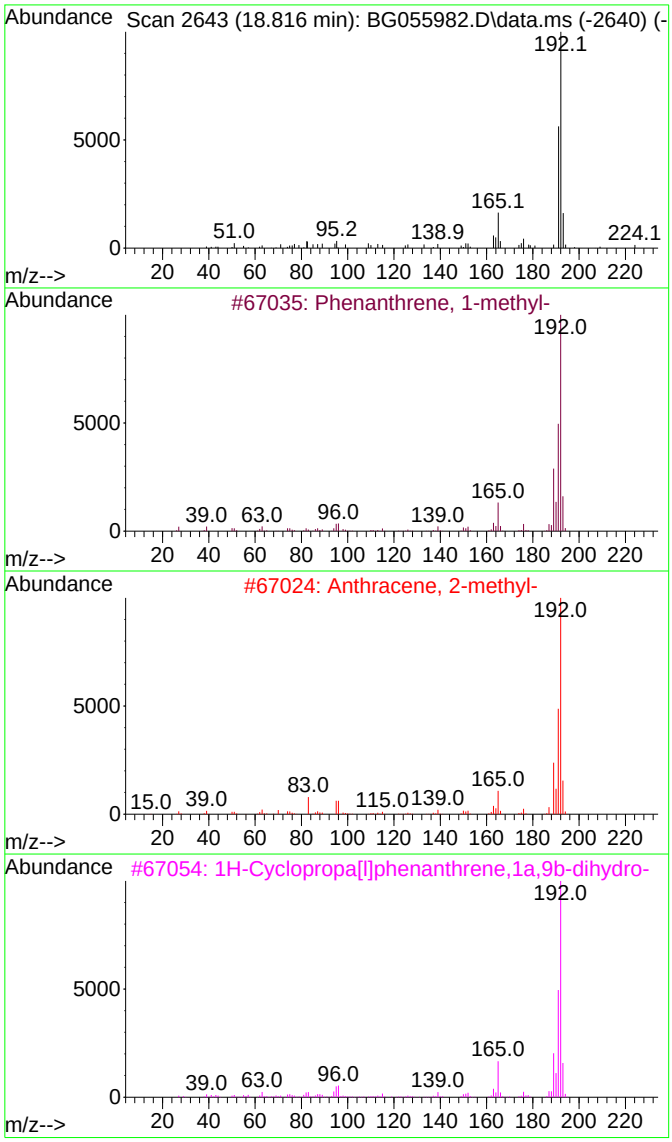
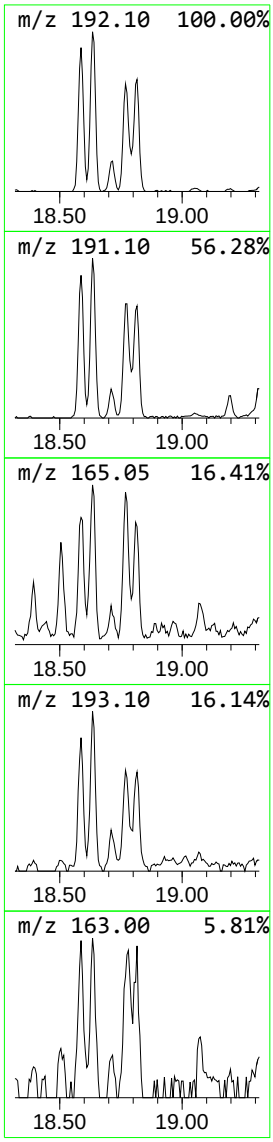
Peak Number 12 Anthracene, 2-methyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.816	12.25 ng	93762	Phenanthrene-d10	17.717

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	91
2	Anthracene, 2-methyl-	192	C15H12	000613-12-7	91
3	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	91
4	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	91
5	Anthracene, 1-methyl-	192	C15H12	000610-48-0	91





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Operator : CG/JU
Sample : N6037-01
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
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ClientSampleId :
RB-16-(2.5-4.5)

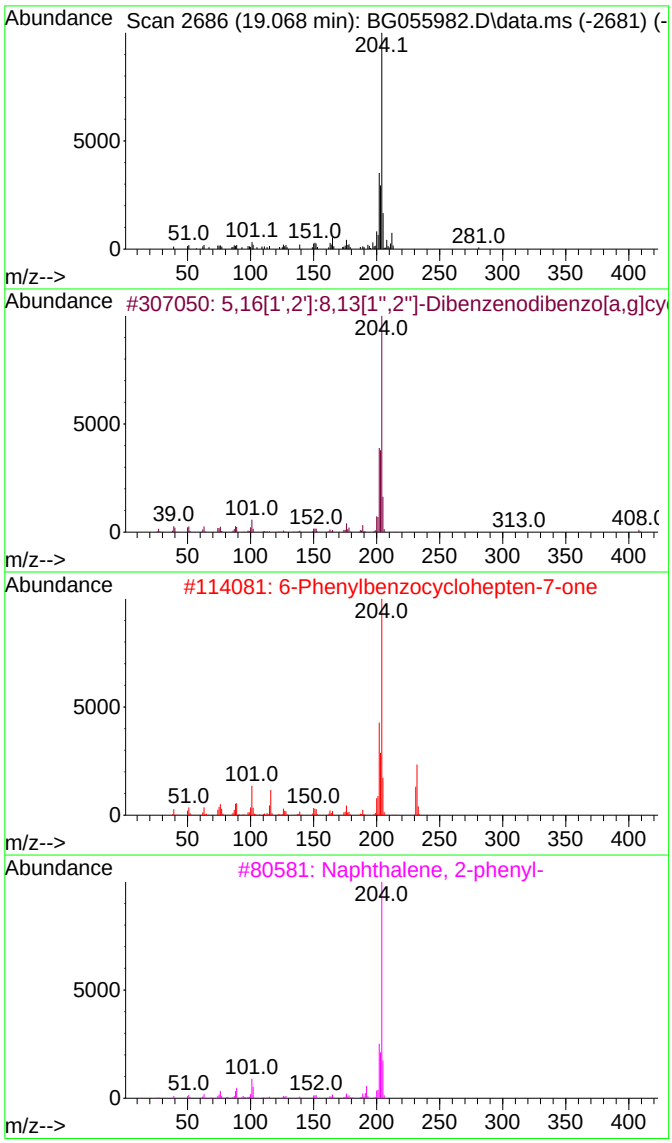
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG121322.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

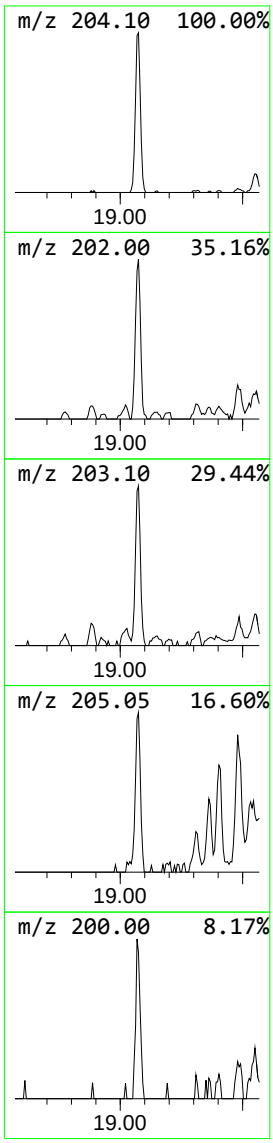
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 13 5,16[1',2']:8,13[1'',2'']-D... Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.068	11.99 ng	91781	Phenanthrene-d10	17.717

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	78
2	6-Phenylbenzocyclohepten-7-one	232	C17H12O	093327-56-1	78
3	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	76
4	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	64
5	[1,1'-Biphenyl]-2-ol, 5-chloro-	204	C12H9ClO	000607-12-5	53





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Sample : N6037-01
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ALS Vial : 10 Sample Multiplier: 1

Instrument :
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ClientSampleId :
RB-16-(2.5-4.5)

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG121322.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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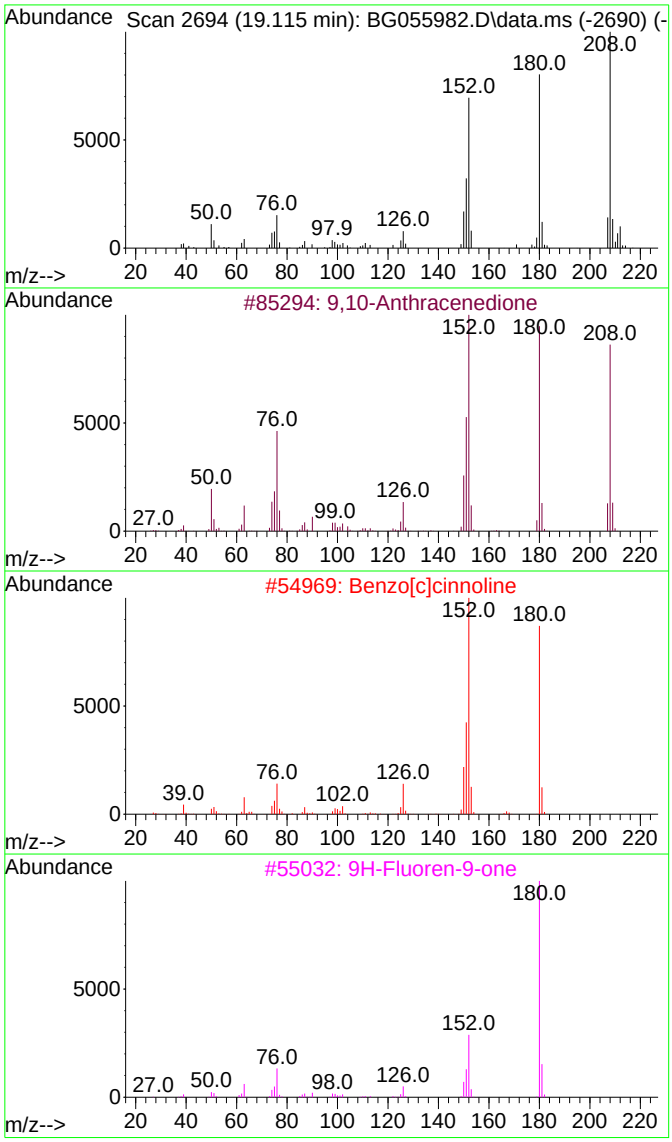
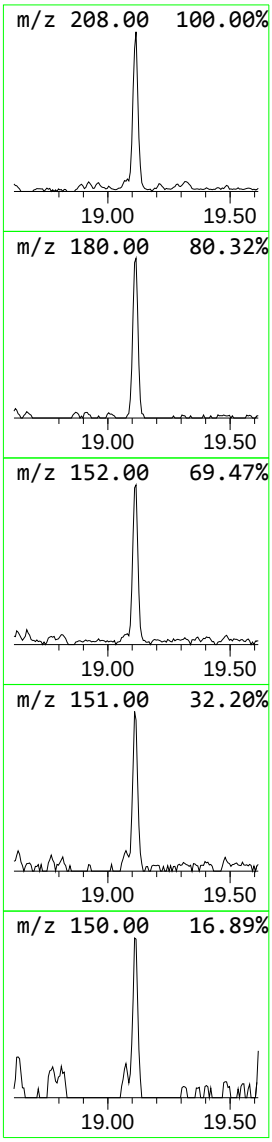
Peak Number 14 9,10-Anthracenedione Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.115	16.82 ng	128739	Phenanthrene-d10	17.717

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Anthracenedione	208	C14H8O2	000084-65-1	97
2	Benzo[c]cinnoline	180	C12H8N2	000230-17-1	90
3	9H-Fluoren-9-one	180	C13H8O	000486-25-9	78
4	Benzo[h]cinnoline	180	C12H8N2	000230-31-9	53
5	1H-Phenalen-1-one	180	C13H8O	000548-39-0	50





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Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
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ClientSampleId :
RB-16-(2.5-4.5)

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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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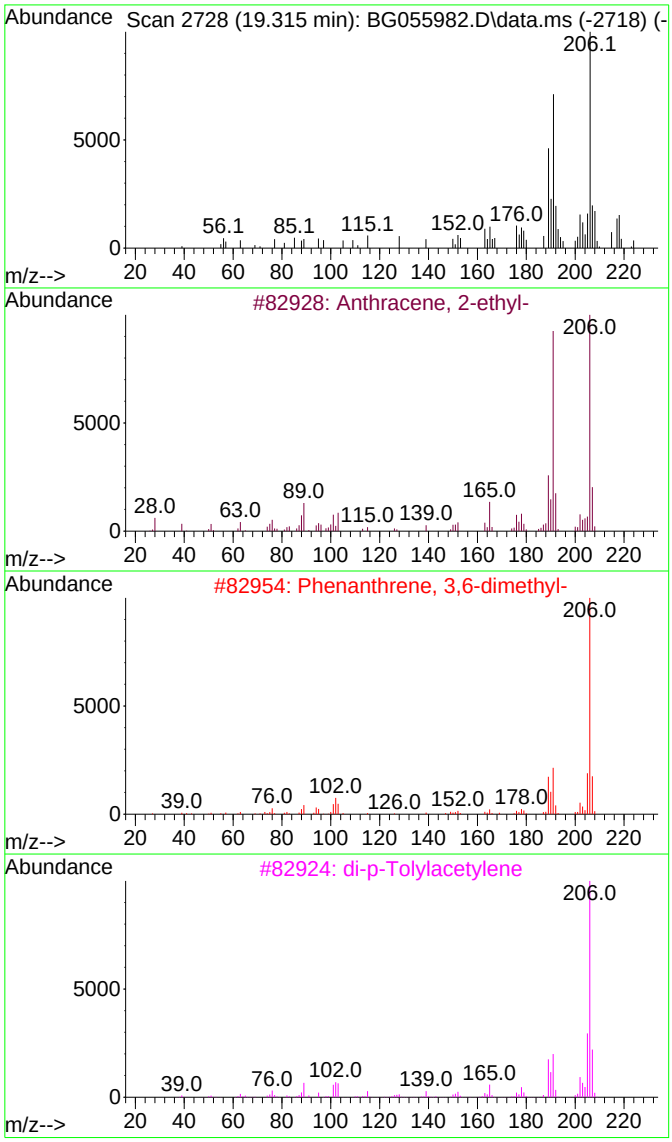
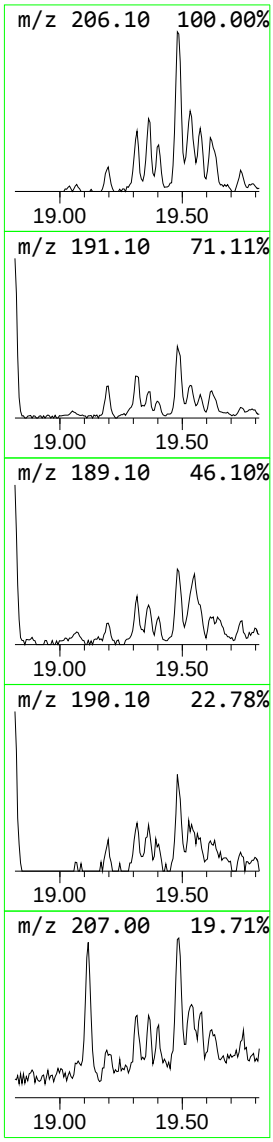
Peak Number 15 Anthracene, 2-ethyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.315	6.33 ng	48426	Phenanthrene-d10	17.717

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 2-ethyl-	206	C16H14	052251-71-5	76
2	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	64
3	di-p-Tolylacetylene	206	C16H14	002789-88-0	62
4	1,3-Diphenyl-3-methylcyclopropene	206	C16H14	086544-79-8	60
5	Phenanthrene, 4,5-dimethyl-	206	C16H14	003674-69-9	58





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ALS Vial : 10 Sample Multiplier: 1

Instrument :
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ClientSampleId :
RB-16-(2.5-4.5)

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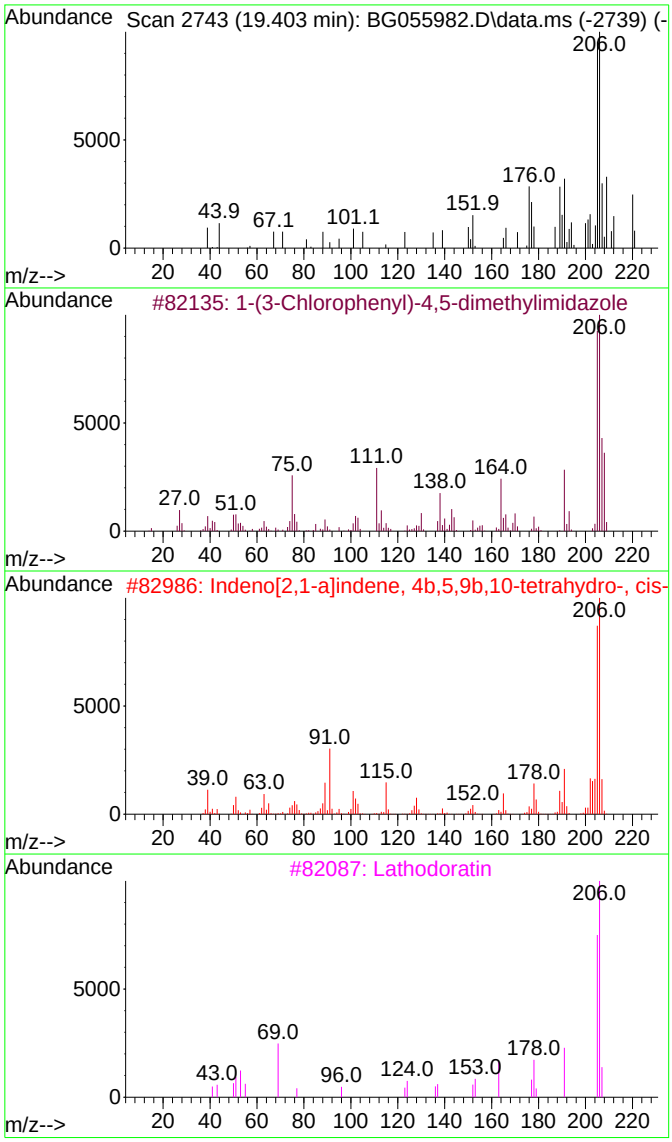
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

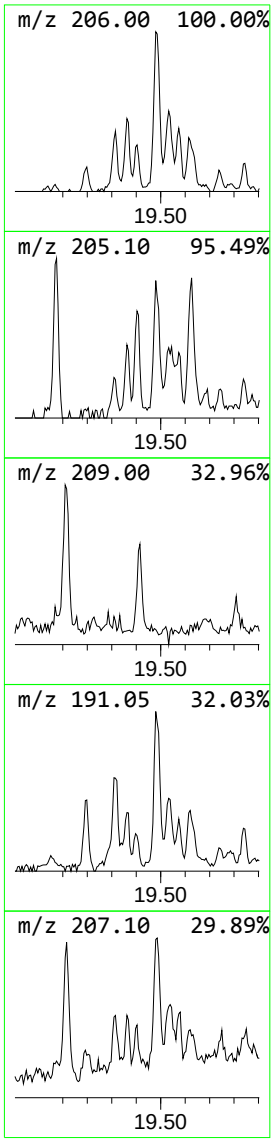
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 16 1-(3-Chlorophenyl)-4,5-dime... Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.403	3.98 ng	30451	Phenanthrene-d10	17.717

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-(3-Chlorophenyl)-4,5-dimethyli...	206	C11H11ClN2	031033-76-8	52
2	Indeno[2,1-a]indene, 4b,5,9b,10-...	206	C16H14	016293-79-1	50
3	Lathodoratin	206	C11H10O4	076693-50-0	50
4	1-(4-Methoxyphenyl)imidazoline-2...	206	C10H10N2OS	017452-14-1	47
5	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	43





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Data File : BG055982.D
Acq On : 15 Dec 2022 18:29
Operator : CG/JU
Sample : N6037-01
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
RB-16-(2.5-4.5)

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG121322.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

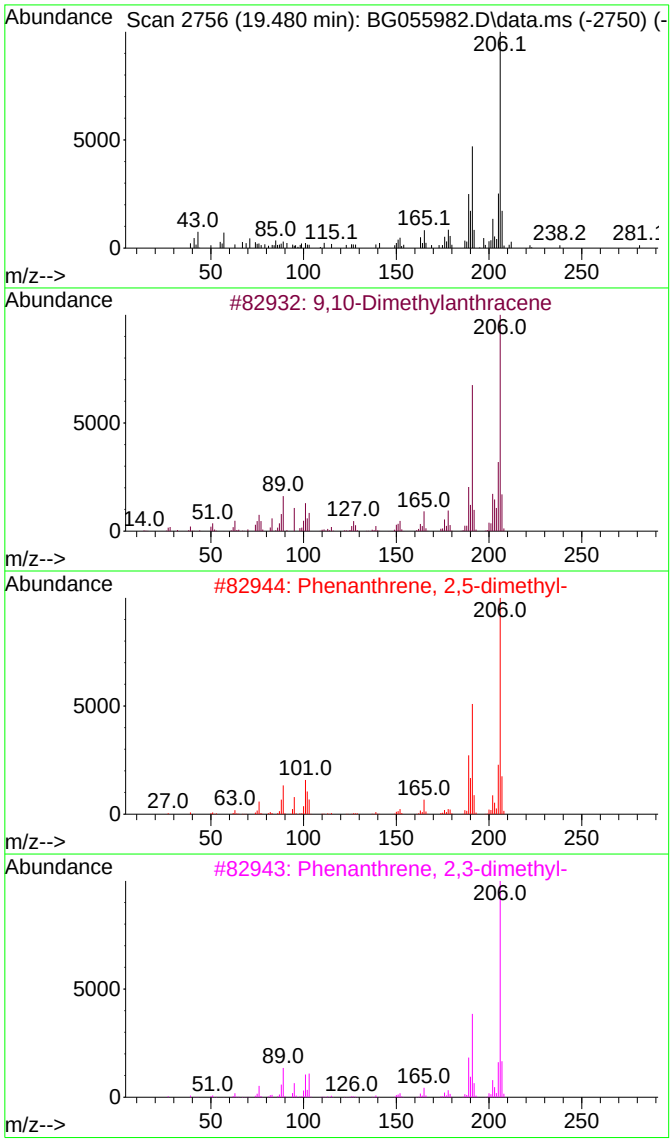
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

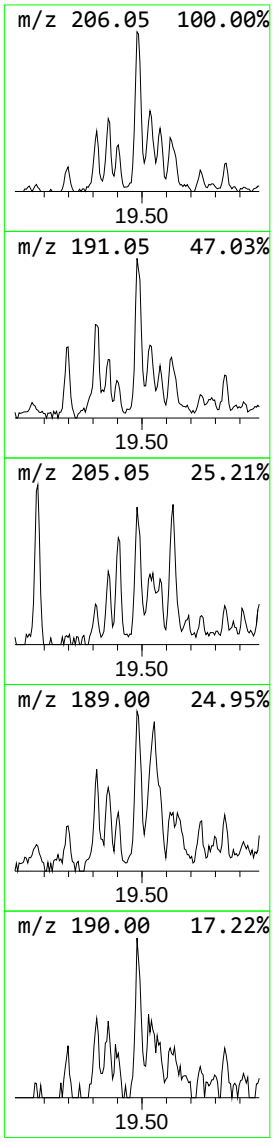
****

Peak Number 17 9,10-Dimethylanthracene Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.480	11.93 ng	91301	Phenanthrene-d10	17.717

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	93
3	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	87
4	Naphthalene, 1,2-dihydro-4-phenyl-	206	C16H14	007469-40-1	87
5	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	81





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG121522\
Data File : BG055982.D
Acq On : 15 Dec 2022 18:29
Operator : CG/JU
Sample : N6037-01
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
RB-16-(2.5-4.5)

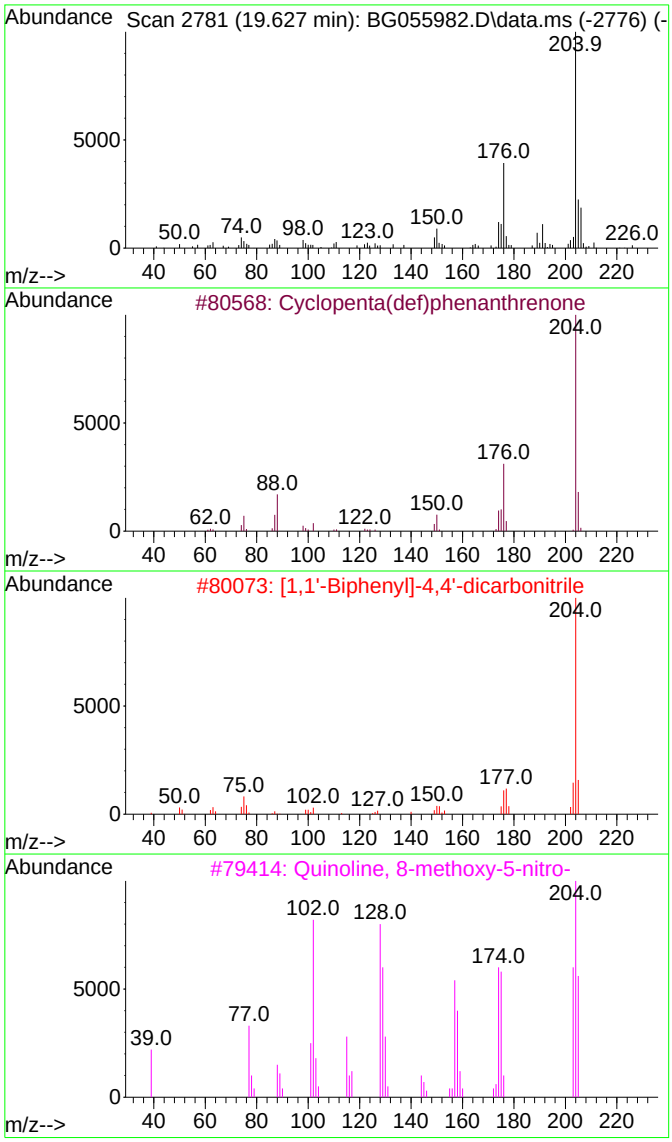
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG121322.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

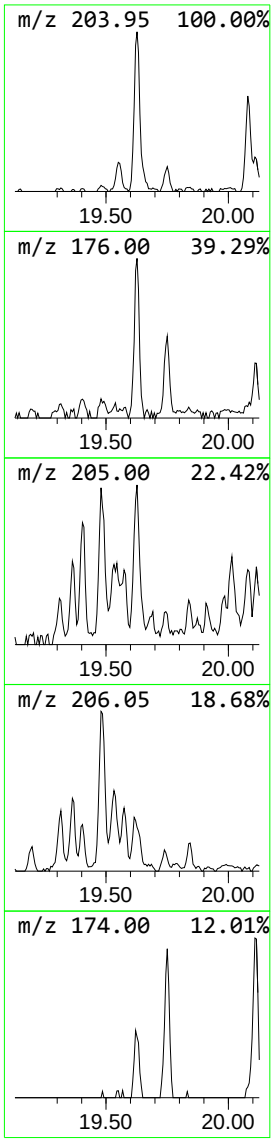
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 18 Cyclopenta(def)phenanthrenone Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.627	9.97 ng	76334	Phenanthrene-d10	17.717

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	91
2	[1,1'-Biphenyl]-4,4'-dicarbonitrile	204	C14H8N2	001591-30-6	53
3	Quinoline, 8-methoxy-5-nitro-	204	C10H8N2O3	1000298-88-7	47
4	[1,1'-Biphenyl]-2,2'-dicarbonitrile	204	C14H8N2	004341-02-0	43
5	Acephenanthrylene, 4,5-dihydro-	204	C16H12	006232-48-0	43





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG121522\
Data File : BG055982.D
Acq On : 15 Dec 2022 18:29
Operator : CG/JU
Sample : N6037-01
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
RB-16-(2.5-4.5)

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG121322.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

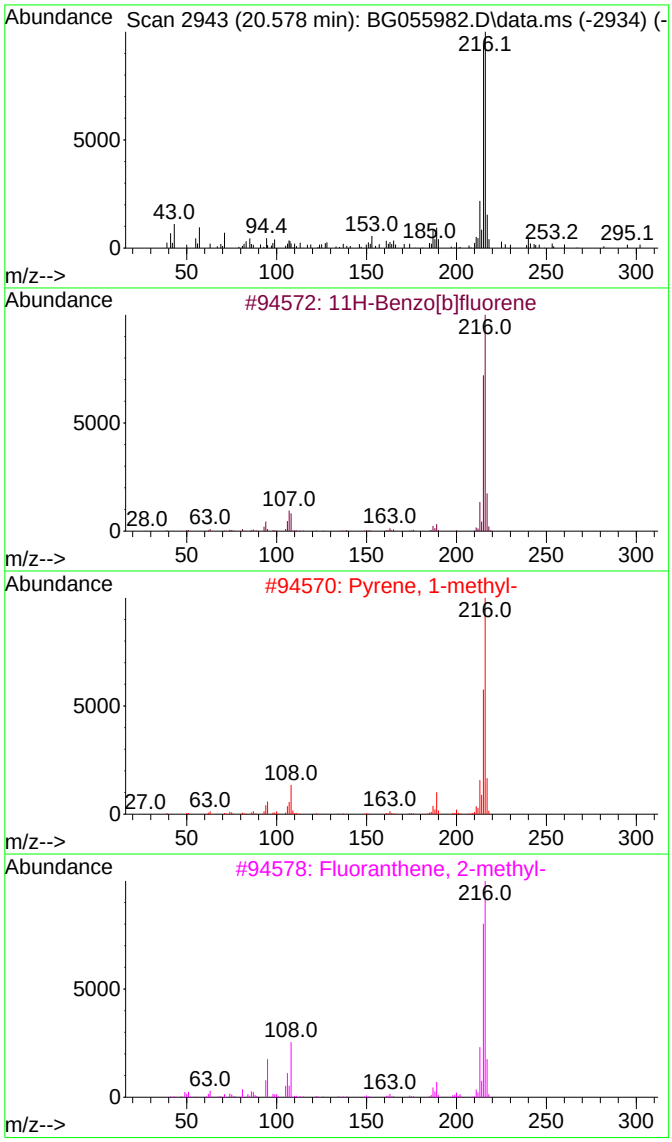
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

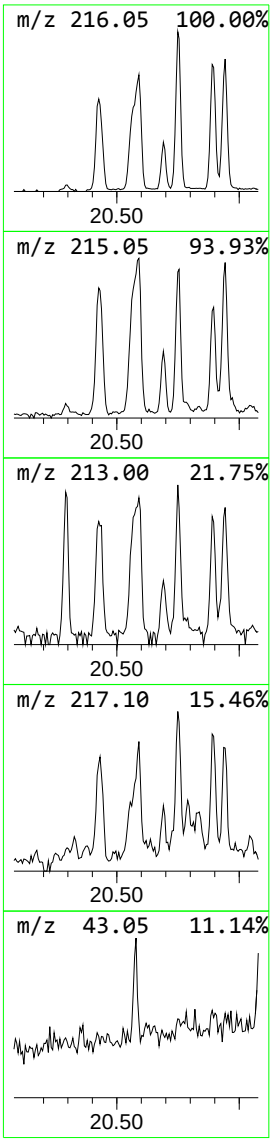
****

Peak Number 19 11H-Benzo[b]fluorene Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.578	4.88 ng	110870	Chrysene-d12	22.030

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	91
2	Pyrene, 1-methyl-	216	C17H12	002381-21-7	89
3	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	87
4	7H-Benzo[c]fluorene	216	C17H12	000205-12-9	64
5	1,3,5-Triazine-2,4,6-triamine, N...	216	C10H12N6	046731-79-7	64





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG121522\
Data File : BG055982.D
Acq On : 15 Dec 2022 18:29
Operator : CG/JU
Sample : N6037-01
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
RB-16-(2.5-4.5)

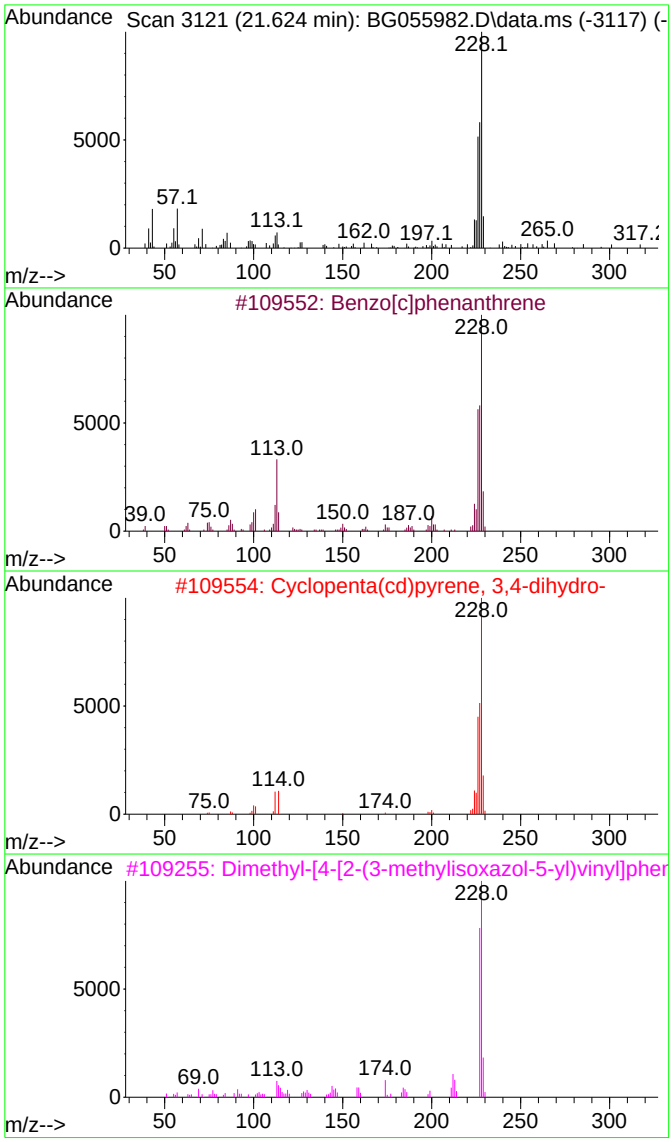
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG121322.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

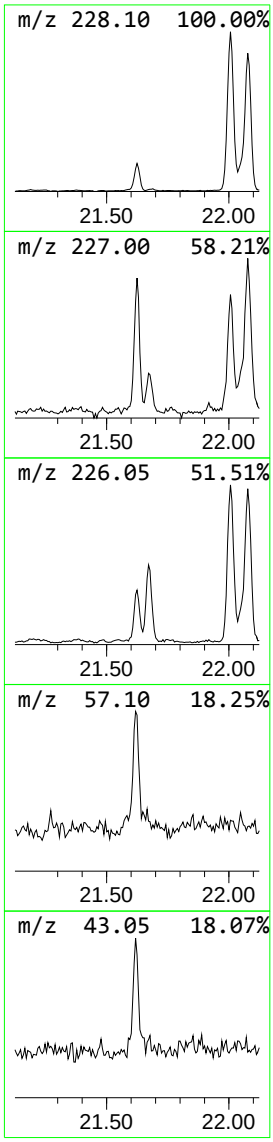
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 20 Benzo[c]phenanthrene Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.624	3.79 ng	86239	Chrysene-d12	22.030

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[c]phenanthrene	228	C18H12	000195-19-7	53
2	Cyclopenta(cd)pyrene, 3,4-dihydro-	228	C18H12	025732-74-5	53
3	Dimethyl-[4-[2-(3-methylisoxazol...	228	C14H16N2O	1000306-39-6	50
4	5-Phenylthieno[2,3-d]pyrimidin-4-ol	228	C12H8N2OS	035978-39-3	50
5	Naphthacene	228	C18H12	000092-24-0	38





Tentatively Identified Compound (LSC) summary

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG121522\
Data File : BG055982.D
Acq On : 15 Dec 2022 18:29
Operator : CG/JU
Sample : N6037-01
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
RB-16-(2.5-4.5)

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG121322.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
Butane, 2-metho...	3.404	9.6	ng	24432	1	8.375	50664	20.0
2-Pentanone, 4-...	5.420	7.3	ng	18588	1	8.375	50664	20.0
Naphthalene, 2,...	14.303	7.5	ng	43430	3	14.979	115291	20.0
Naphthalene, 2,...	14.356	4.2	ng	24275	3	14.979	115291	20.0
Naphthalene, 1,...	14.538	3.8	ng	21764	3	14.979	115291	20.0
9H-Fluoren-9-one	17.365	8.6	ng	66001	4	17.717	153106	20.0
Naphtho[1,2-b]t...	17.535	6.8	ng	51795	4	17.717	153106	20.0
2-Methyldibenzo...	18.293	6.5	ng	49856	4	17.717	153106	20.0
Phenanthrene, 1...	18.587	21.6	ng	165666	4	17.717	153106	20.0
Anthracene, 1-m...	18.634	18.9	ng	144287	4	17.717	153106	20.0
Naphtho[2,3-b]n...	18.775	22.1	ng	169335	4	17.717	153106	20.0
Anthracene, 2-m...	18.816	12.3	ng	93762	4	17.717	153106	20.0
5,16[1',2']:8,1...	19.068	12.0	ng	91781	4	17.717	153106	20.0
9,10-Anthracene...	19.115	16.8	ng	128739	4	17.717	153106	20.0
Anthracene, 2-e...	19.315	6.3	ng	48426	4	17.717	153106	20.0
1-(3-Chlorophen...	19.403	4.0	ng	30451	4	17.717	153106	20.0
9,10-Dimethylan...	19.480	11.9	ng	91301	4	17.717	153106	20.0
Cyclopenta(def)...	19.627	10.0	ng	76334	4	17.717	153106	20.0
11H-Benzo[b]flu...	20.578	4.9	ng	110870	5	22.030	454577	20.0
Benzo[c]phenant...	21.624	3.8	ng	86239	5	22.030	454577	20.0