LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG072622\
Data File : BG054399.D
Acq On : 26 Jul 2022 15:31
Operator : CG/JU
Sample : N3857-02
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
TP-4

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-BG071522.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BG054399.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	3.023	3	6	16	rVV2	11571	22926	1.56%	0.110%
2	3.105	16	20	31	rVB	60804	101142	6.88%	0.484%
3	5.561	432	438	447	rBV	146048	249466	16.96%	1.193%
4	7.171	704	712	725	rVB	157271	285939	19.44%	1.367%
5	7.988	843	851	858	rBB	51950	88640	6.03%	0.424%
6	9.151	1041	1049	1058	rBV	94535	182331	12.40%	0.872%
7	10.796	1321	1329	1335	rBV	68594	126942	8.63%	0.607%
8	13.246	1738	1746	1755	rBV	341119	546913	37.19%	2.615%
9	13.940	1859	1864	1870	rBV2	13164	23278	1.58%	0.111%
10	14.345	1928	1933	1943	rBV2	26643	52787	3.59%	0.252%
11	14.621	1971	1980	1987	rVB	132651	212622	14.46%	1.017%
12	15.015	2041	2047	2055	rBV3	11555	21053	1.43%	0.101%
13	15.097	2055	2061	2066	rVB	10451	15854	1.08%	0.076%
14	15.244	2077	2086	2090	rBV3	11338	20684	1.41%	0.099%
15	15.397	2106	2112	2117	rBV4	10422	26402	1.80%	0.126%
16	15.661	2152	2157	2162	rBV3	13971	22658	1.54%	0.108%
17	15.961	2201	2208	2216	rVB5	7721	19159	1.30%	0.092%
18	16.114	2225	2234	2241	rBV	348920	552537	37.57%	2.642%
19	16.319	2264	2269	2279	rVB2	53798	98526	6.70%	0.471%
20	16.478	2292	2296	2300	rBV2	9419	14798	1.01%	0.071%
21	16.678	2324	2330	2334	rBV6	9933	20195	1.37%	0.097%
22	16.907	2362	2369	2373	rBV4	28481	53317	3.63%	0.255%
23	16.942	2373	2375	2383	rVV3	9972	17342	1.18%	0.083%
24	17.024	2383	2389	2394	rVV2	21385	41747	2.84%	0.200%
25	17.118	2398	2405	2410	rVV2	25286	56337	3.83%	0.269%
26	17.189	2410	2417	2424	rVB3	17020	38517	2.62%	0.184%
27	17.371	2441	2448	2451	rBV	180539	298779	20.32%	1.429%
28	17.412	2451	2455	2462	rVB	466160	711279	48.37%	3.401%
29	17.500	2466	2470	2474	rBV	36049	54042	3.67%	0.258%
30	17.547	2474	2478	2485	rVB3	27324	48779	3.32%	0.233%
31	17.630	2485	2492	2497	rBV6	18201	32357	2.20%	0.155%
32	17.682	2497	2501	2509	rVB3	36929	64341	4.38%	0.308%
33	17.771	2509	2516	2519	rBV3	12346	25669	1.75%	0.123%
34	17.882	2532	2535	2541	rVB	41317	55351	3.76%	0.265%
35	17.953	2541	2547	2554	rVB5	34587	59947	4.08%	0.287%
36	18.058	2561	2565	2567	rBV	14539	20868	1.42%	0.100%

LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG072622\
Data File : BG054399.D
Acq On : 26 Jul 2022 15:31
Operator : CG/JU
Sample : N3857-02
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
TP-4

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-BG071522.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

37	18.170	2580	2584	2588	rVB4	18557	24512	1.67%	0.117%
38	18.246	2591	2597	2601	rBV	316719	493254	33.54%	2.359%
39	18.293	2601	2605	2613	rVB	362199	554994	37.74%	2.654%
40	18.376	2613	2619	2623	rBV2	24065	49522	3.37%	0.237%
41	18.435	2623	2629	2633	rBV2	315860	538583	36.62%	2.575%
42	18.476	2633	2636	2644	rVB	334065	479365	32.60%	2.292%
43	18.552	2644	2649	2653	rBV2	35345	58718	3.99%	0.281%
44	18.593	2653	2656	2659	rVB4	21935	23005	1.56%	0.110%
45	18.634	2659	2663	2667	rBV2	26443	33957	2.31%	0.162%
46	18.687	2667	2672	2676	rBV3	26803	41752	2.84%	0.200%
47	18.740	2676	2681	2686	rBV	173987	257094	17.48%	1.229%
48	18.793	2686	2690	2691	rBV2	27791	35358	2.40%	0.169%
49	18.863	2698	2702	2709	rBV2	41481	86036	5.85%	0.411%
50	18.957	2714	2718	2719	rVV4	28265	31769	2.16%	0.152%
51	18.987	2719	2723	2728	rVV2	100454	194597	13.23%	0.931%
52	19.040	2728	2732	2735	rVV	121008	181369	12.33%	0.867%
53	19.075	2735	2738	2742	rVB	34182	45390	3.09%	0.217%
54	19.163	2747	2753	2757	rBV	280122	485949	33.04%	2.324%
55	19.210	2757	2761	2765	rVV	113173	211956	14.41%	1.014%
56	19.251	2765	2768	2772	rVV	104712	135662	9.23%	0.649%
57	19.304	2772	2777	2785	rVV2	156173	308270	20.96%	1.474%
58	19.427	2791	2798	2803	rVB	822740	1301755	88.52%	6.225%
59	19.480	2803	2807	2810	rBV	74943	102314	6.96%	0.489%
60	19.521	2810	2814	2819	rVB	159119	238265	16.20%	1.139%
61	19.574	2819	2823	2825	rBV	25850	38307	2.60%	0.183%
62	19.615	2826	2830	2835	rBV5	30433	57125	3.88%	0.273%
63	19.662	2836	2838	2841	rBV	22124	22011	1.50%	0.105%
64	19.751	2849	2853	2854	rBV	126176	139641	9.50%	0.668%
65	19.786	2854	2859	2866	rVV	904883	1470586	100.00%	7.032%
66	19.856	2866	2871	2877	rVB2	148757	253714	17.25%	1.213%
67	19.980	2883	2892	2896	rBV	784395	1125129	76.51%	5.380%
68	20.015	2896	2898	2907	rVB2	86359	135734	9.23%	0.649%
69	20.121	2907	2916	2924	rBV4	165077	509619	34.65%	2.437%
70	20.191	2924	2928	2931	rBV3	43928	62336	4.24%	0.298%
71	20.244	2932	2937	2940	rBV3	132175	272064	18.50%	1.301%
72	20.379	2957	2960	2963	rBV	35305	44972	3.06%	0.215%
73	20.432	2965	2969	2974	rVB2	147890	229014	15.57%	1.095%
74	20.573	2989	2993	2997	rBV	143994	208636	14.19%	0.998%
75	20.620	2997	3001	3005	rVB	139771	192061	13.06%	0.918%
76	21.037	3067	3072	3078	rVB	157161	247447	16.83%	1.183%

LSC Area Percent Report

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Acq On : 26 Jul 2022 15:31
Operator : CG/JU
Sample : N3857-02
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
TP-4

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-BG071522.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

77	21.208	3097	3101	3106	rBV2	70893	146511	9.96%	0.701%
78	21.261	3107	3110	3114	rVV3	79956	118292	8.04%	0.566%
79	21.308	3115	3118	3123	rVV3	61987	106263	7.23%	0.508%
80	21.366	3124	3128	3135	rVB	107108	191814	13.04%	0.917%
81	21.507	3150	3152	3159	rVB2	59842	81762	5.56%	0.391%
82	21.619	3165	3171	3178	rBV2	448984	1136102	77.26%	5.433%
83	21.684	3178	3182	3194	rVB	361286	657971	44.74%	3.146%
84	21.836	3204	3208	3214	rVB2	61412	101491	6.90%	0.485%
85	21.907	3215	3220	3225	rBV5	74284	147244	10.01%	0.704%
86	22.359	3294	3297	3303	rVB	78095	125762	8.55%	0.601%
87	23.822	3538	3546	3554	rBV2	263319	888064	60.39%	4.247%
88	24.545	3662	3669	3681	rVB2	159167	469368	31.92%	2.244%
89	24.686	3684	3693	3706	rVB	230549	664601	45.19%	3.178%
90	24.833	3711	3718	3726	rBV	122912	346391	23.55%	1.656%
91	28.511	4337	4344	4367	rVB2	116861	525332	35.72%	2.512%

Sum of corrected areas: 20912334

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG072622\
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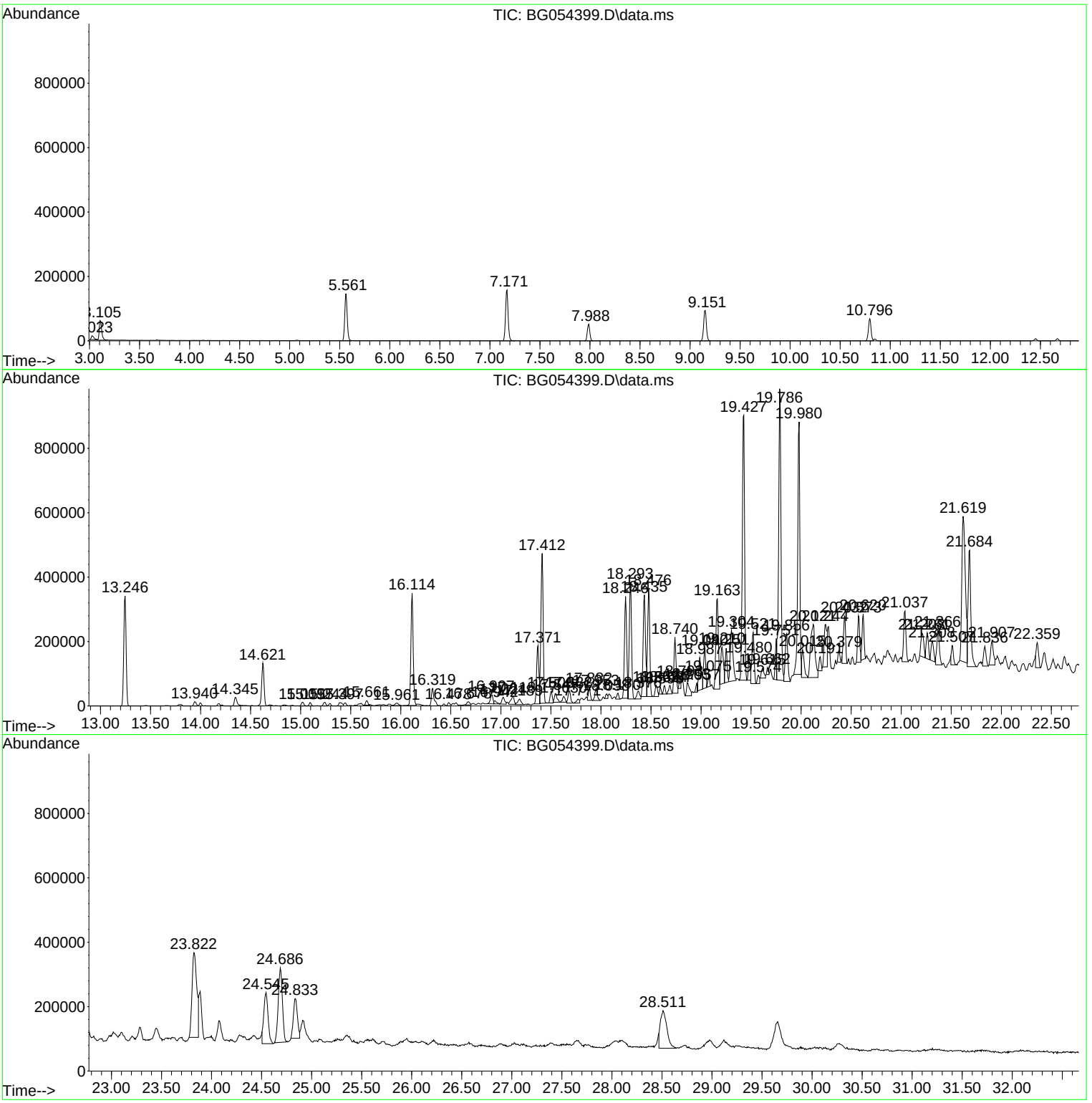
Operator : CG/JU
Sample : N3857-02
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
TP-4

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG071522.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\BG072622\
Data File : BG054399.D
Acq On : 26 Jul 2022 15:31
Operator : CG/JU
Sample : N3857-02
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
TP-4

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG071522.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

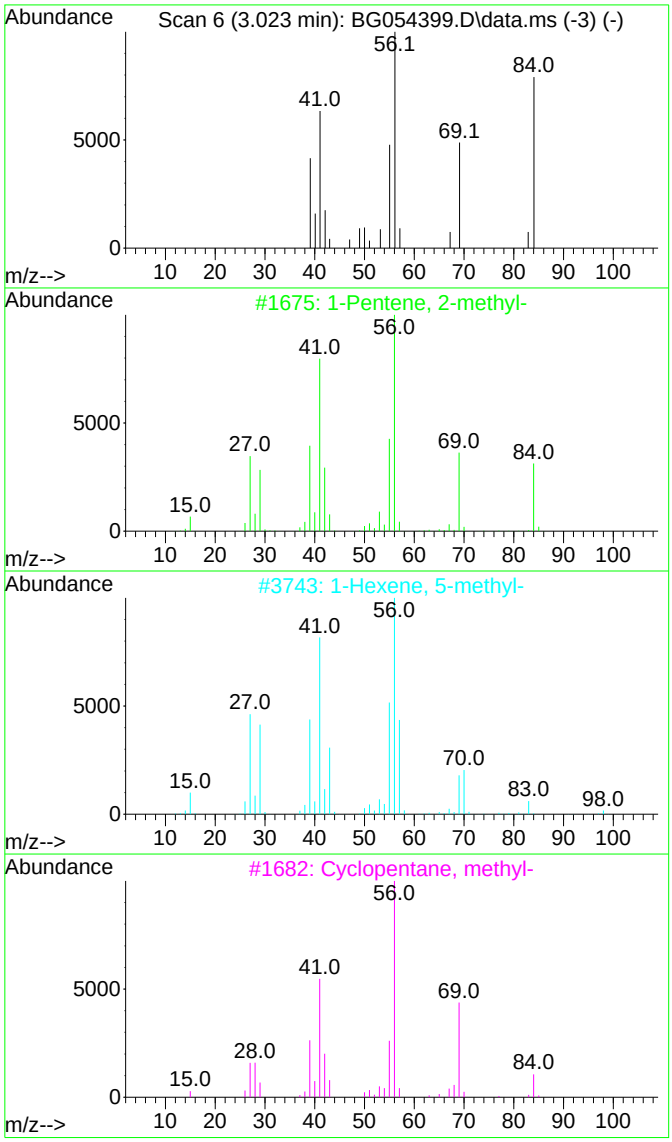
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

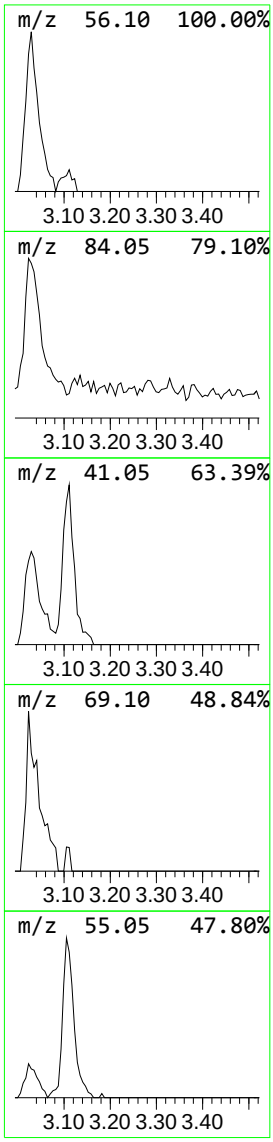
****

Peak Number 1 1-Pentene, 2-methyl- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.023	5.17 ng	22926	1,4-Dichlorobenzene-d4	7.988

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Pentene, 2-methyl-	84	C6H12	000763-29-1	59
2	1-Hexene, 5-methyl-	98	C7H14	003524-73-0	37
3	Cyclopentane, methyl-	84	C6H12	000096-37-7	25
4	Cyclobutane, butyl-	112	C8H16	013152-44-8	25
5	1-Pentanol, 3-methyl-	102	C6H14O	000589-35-5	17





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG072622\
Data File : BG054399.D
Acq On : 26 Jul 2022 15:31
Operator : CG/JU
Sample : N3857-02
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
TP-4

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG071522.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

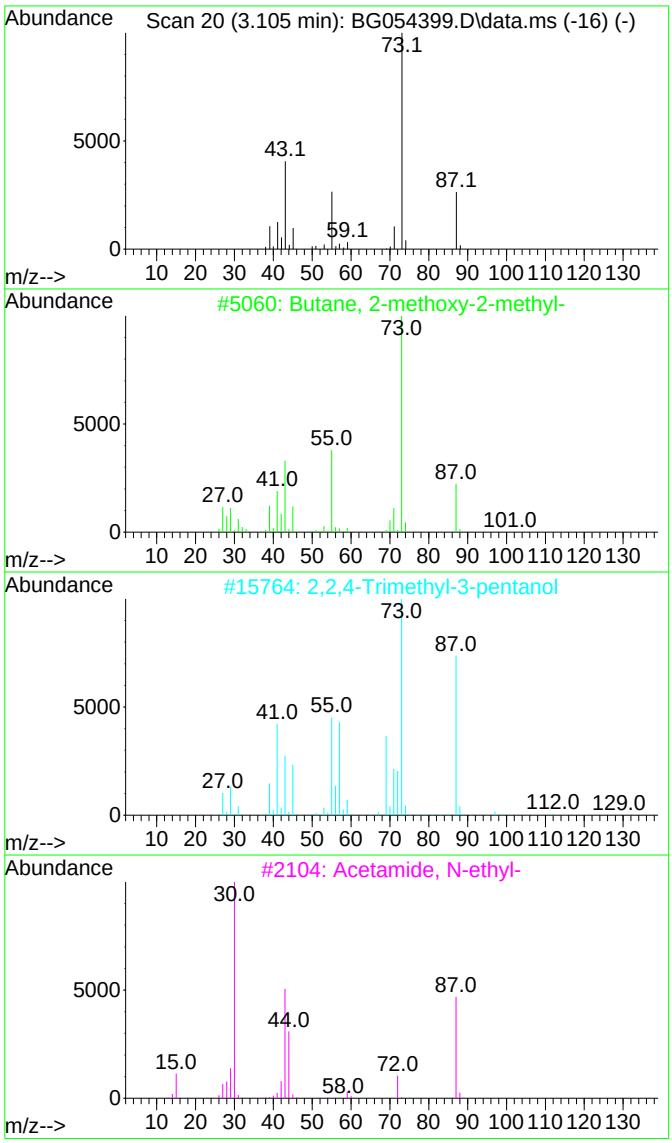
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

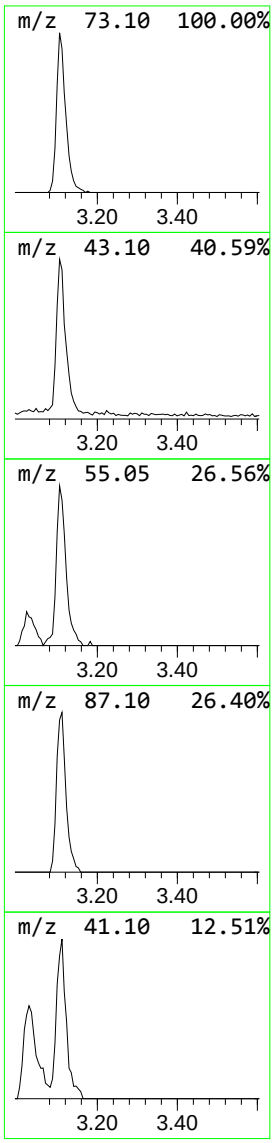
****

Peak Number 2 Butane, 2-methoxy-2-methyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.105	22.82 ng	101142	1,4-Dichlorobenzene-d4	7.988

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butane, 2-methoxy-2-methyl-	102	C6H14O	000994-05-8	72
2	2,2,4-Trimethyl-3-pentanol	130	C8H18O	005162-48-1	38
3	Acetamide, N-ethyl-	87	C4H9NO	000625-50-3	25
4	N-Ethylformamide	73	C3H7NO	000627-45-2	9
5	Silane, tetramethyl-	88	C4H12Si	000075-76-3	9





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG072622\
Data File : BG054399.D
Acq On : 26 Jul 2022 15:31
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ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
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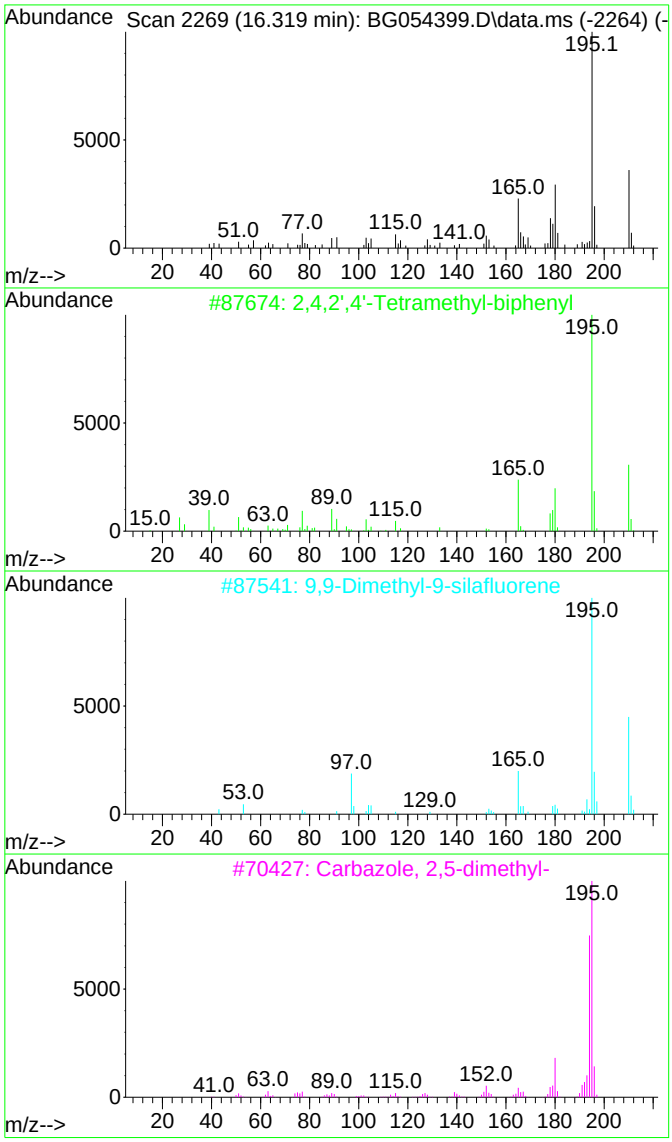
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG071522.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

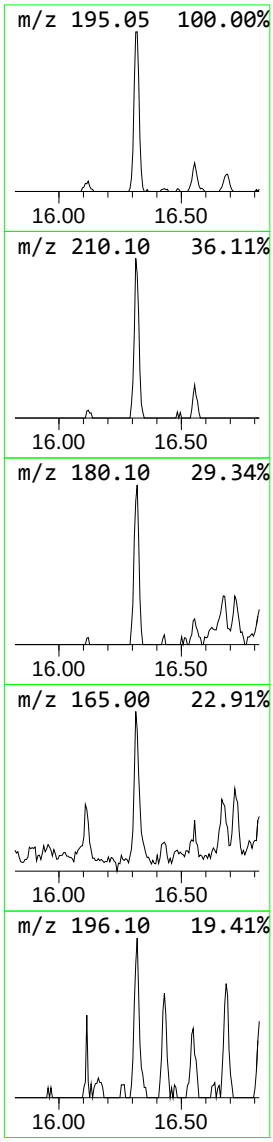
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 3 2,4,2',4'-Tetramethyl-biphenyl Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.319	6.60 ng	98526	Phenanthrene-d10	17.371

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2,4,2',4'-Tetramethyl-biphenyl	210	C16H18	1000486-97-7	91
2	9,9-Dimethyl-9-silafluorene	210	C14H14Si	013688-68-1	81
3	Carbazole, 2,5-dimethyl-	195	C14H13N	078787-79-8	64
4	Carbazole, 4,5-dimethyl-	195	C14H13N	018992-66-0	64
5	9H-Carbazol-3-amine, 9-ethyl-	210	C14H14N2	000132-32-1	58





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG072622\
Data File : BG054399.D
Acq On : 26 Jul 2022 15:31
Operator : CG/JU
Sample : N3857-02
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
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Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG071522.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

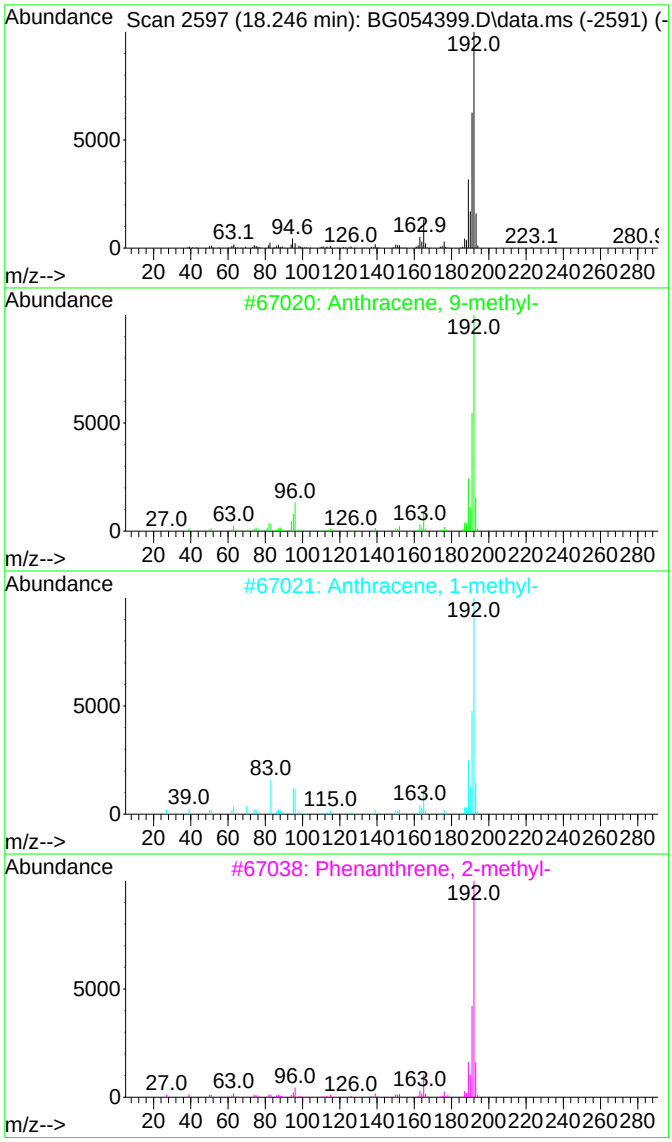
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

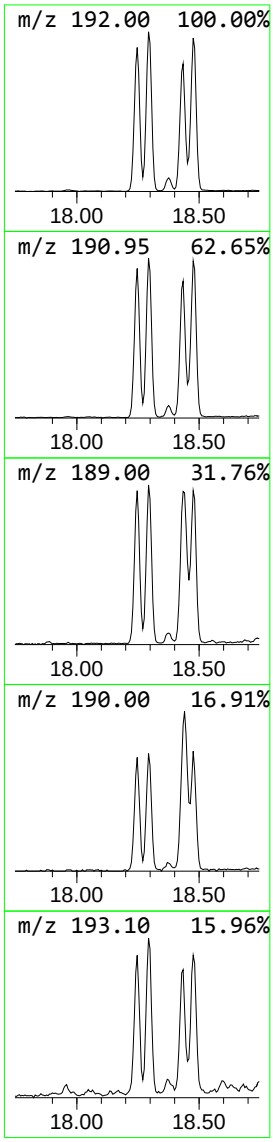
****

Peak Number 4 Anthracene, 9-methyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.247	33.02 ng	493254	Phenanthrene-d10	17.371

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 9-methyl-	192	C15H12	000779-02-2	94
2	Anthracene, 1-methyl-	192	C15H12	000610-48-0	94
3	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	93
4	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	89
5	Anthracene, 2-methyl-	192	C15H12	000613-12-7	89





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG072622\
Data File : BG054399.D
Acq On : 26 Jul 2022 15:31
Operator : CG/JU
Sample : N3857-02
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
TP-4

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG071522.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

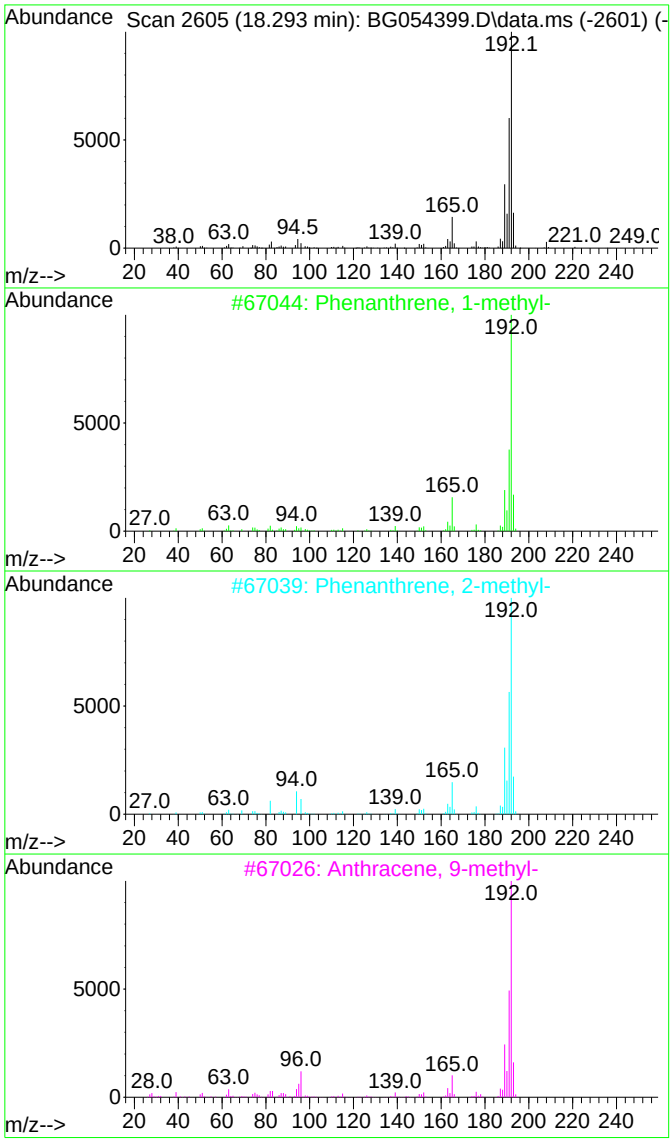
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

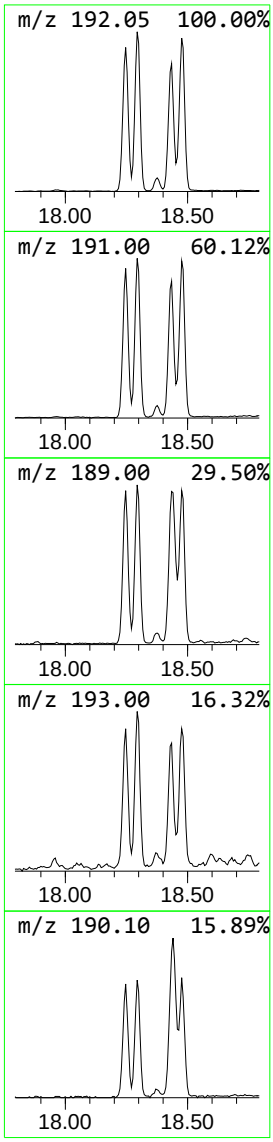
****

Peak Number 5 Phenanthrene, 1-methyl- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.294	37.15 ng	554994	Phenanthrene-d10	17.371

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	96
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	95
3	Anthracene, 9-methyl-	192	C15H12	000779-02-2	94
4	1H-Indene, 1-phenyl-	192	C15H12	001961-96-2	93
5	Anthracene, 2-methyl-	192	C15H12	000613-12-7	93





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG072622\
Data File : BG054399.D
Acq On : 26 Jul 2022 15:31
Operator : CG/JU
Sample : N3857-02
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
TP-4

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG071522.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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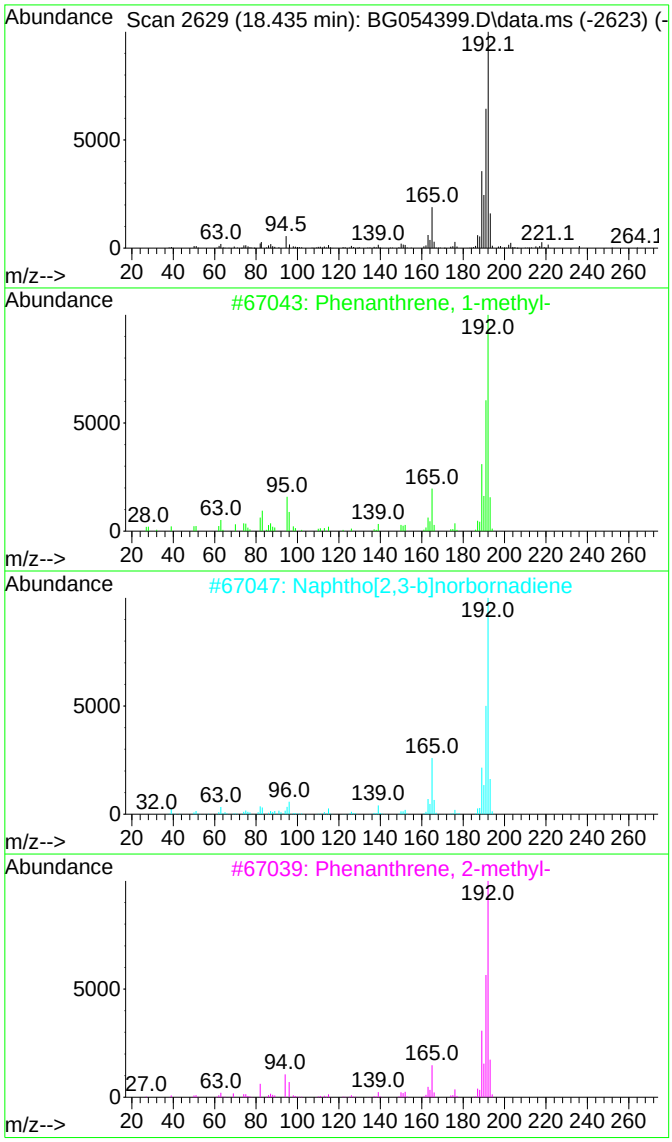
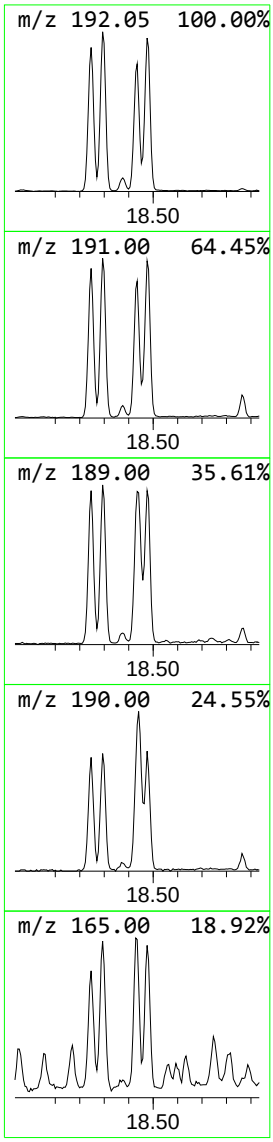
Peak Number 6 Naphtho[2,3-b]norbornadiene Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.435	36.05 ng	538583	Phenanthrene-d10	17.371

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	89
2	Naphtho[2,3-b]norbornadiene	192	C15H12	107426-38-0	81
3	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	81
4	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	81
5	Anthracene, 1-methyl-	192	C15H12	000610-48-0	81





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Sample : N3857-02
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
TP-4

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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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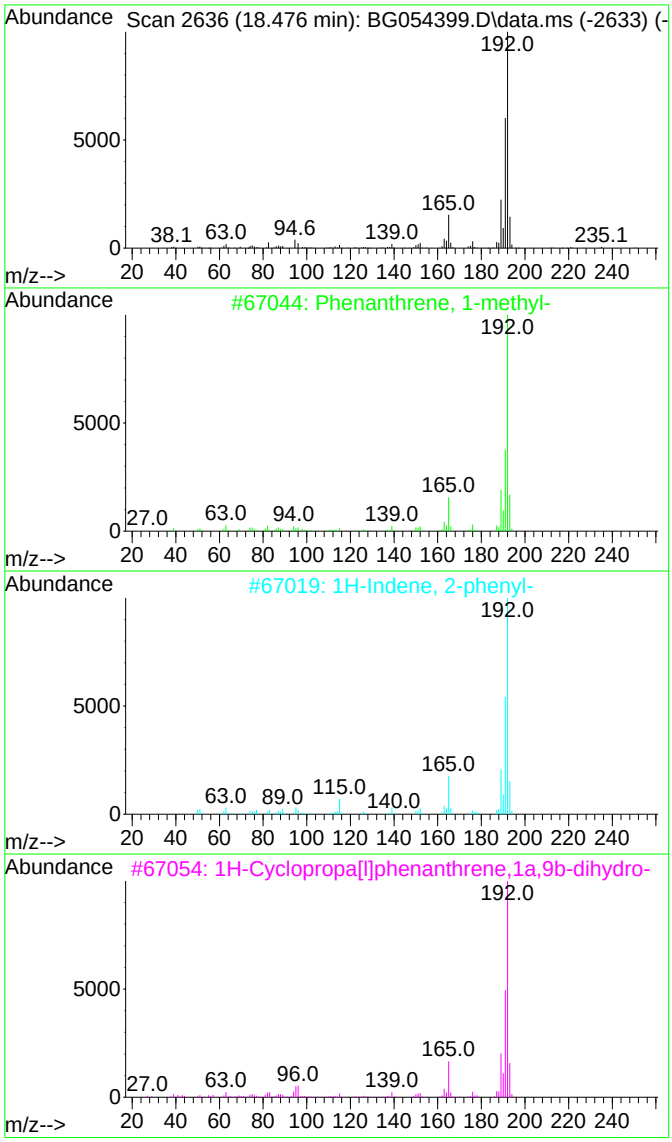
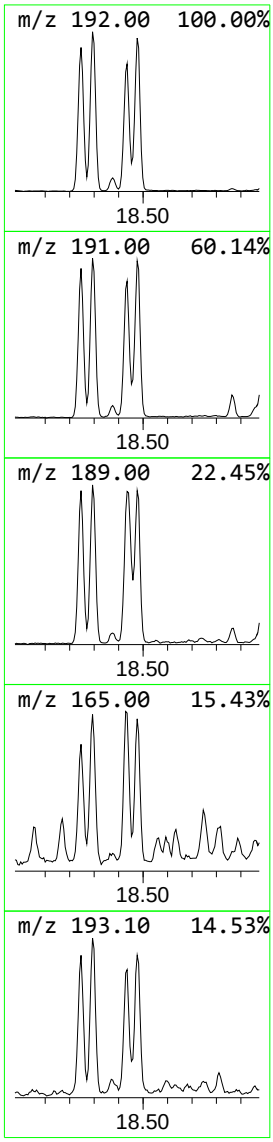
Peak Number 7 1H-Indene, 2-phenyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.476	32.09 ng	479365	Phenanthrene-d10	17.371

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	96
2	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	93
3	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	93
4	1H-Indene, 1-phenyl-	192	C15H12	001961-96-2	93
5	Propyne, 1,3-diphenyl-	192	C15H12	004980-70-5	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

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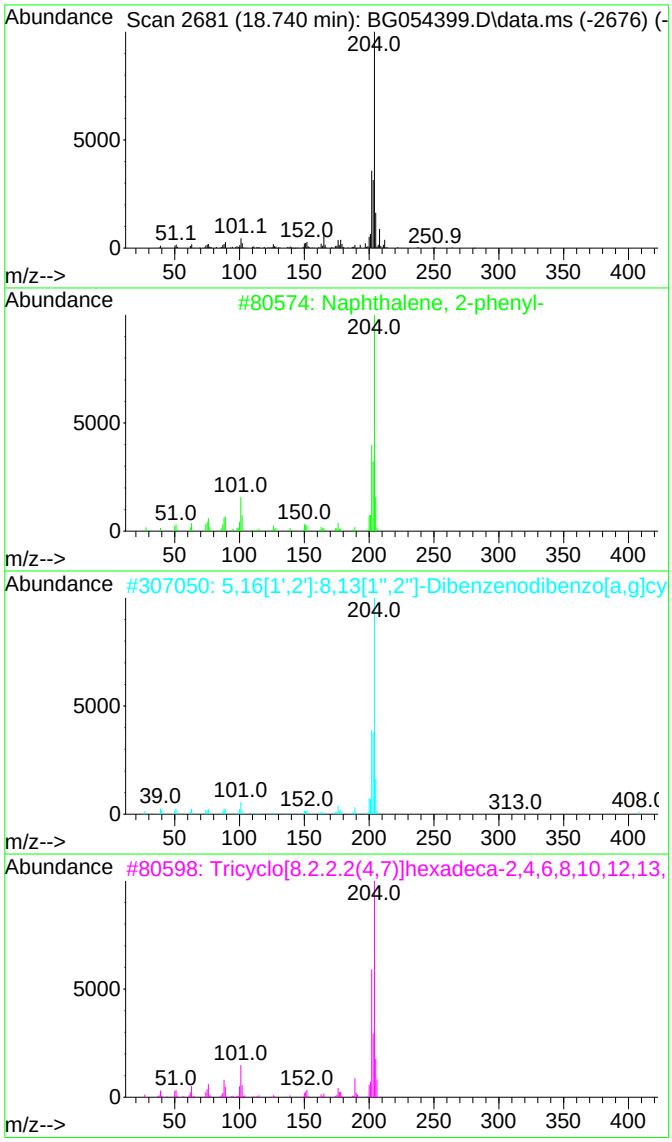
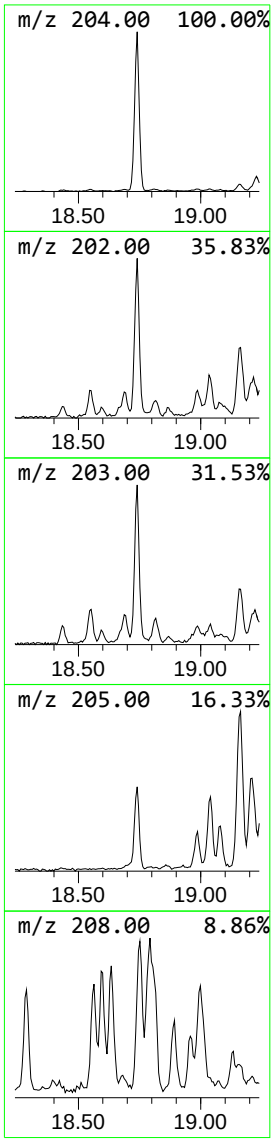
Peak Number 8 Naphthalene, 2-phenyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.740	17.21 ng	257094	Phenanthrene-d10	17.371

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	89
2	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	86
3	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	74
4	[1,1'-Biphenyl]-2,2'-dicarbonitrile	204	C14H8N2	004341-02-0	53
5	9-Acridinecarbonitrile	204	C14H8N2	005326-19-2	53





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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
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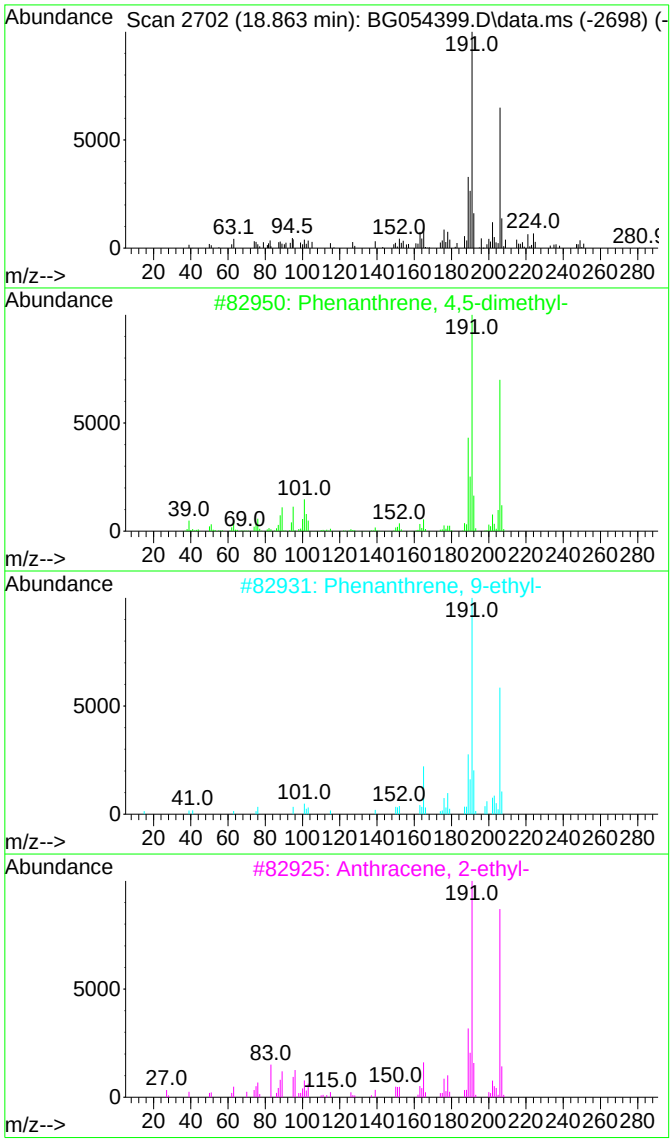
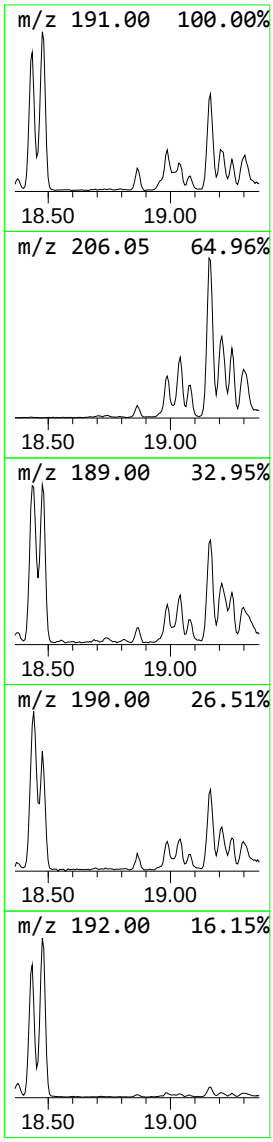
Peak Number 9 Phenanthrene, 4,5-dimethyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.863	5.76 ng	86036	Phenanthrene-d10	17.371

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 4,5-dimethyl-	206	C16H14	003674-69-9	91
2	Phenanthrene, 9-ethyl-	206	C16H14	003674-75-7	90
3	Anthracene, 2-ethyl-	206	C16H14	052251-71-5	90
4	Phenanthrene, 2-ethyl-	206	C16H14	003674-74-6	76
5	Anthracene, 9-ethyl-9,10-dihydro...	224	C16H16O	1010154-70-0	72





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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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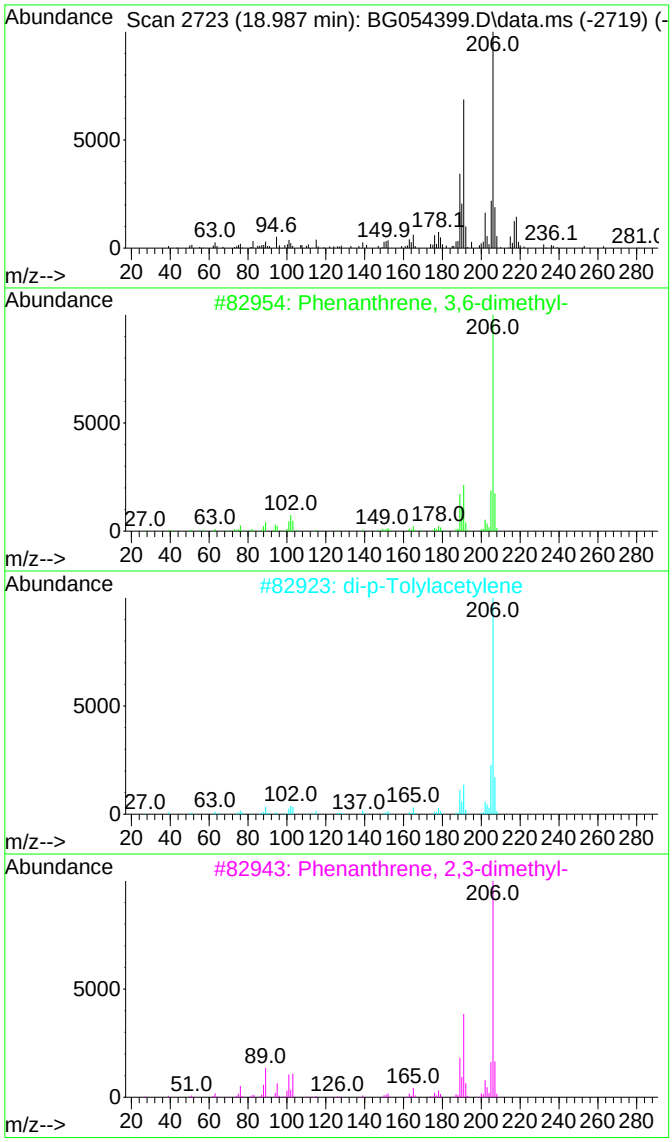
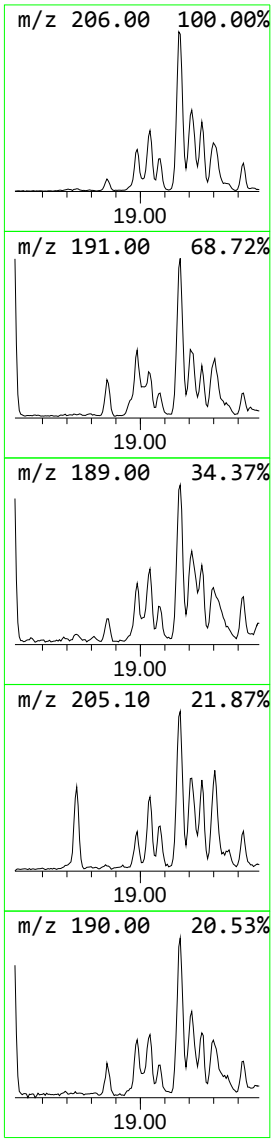
Peak Number 10 Phenanthrene, 3,6-dimethyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.987	13.03 ng	194597	Phenanthrene-d10	17.371

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	91
2	di-p-Tolylacetylene	206	C16H14	002789-88-0	90
3	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	90
4	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	90
5	Phenanthrene, 2,7-dimethyl-	206	C16H14	001576-69-8	87





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Misc :
ALS Vial : 9 Sample Multiplier: 1

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

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

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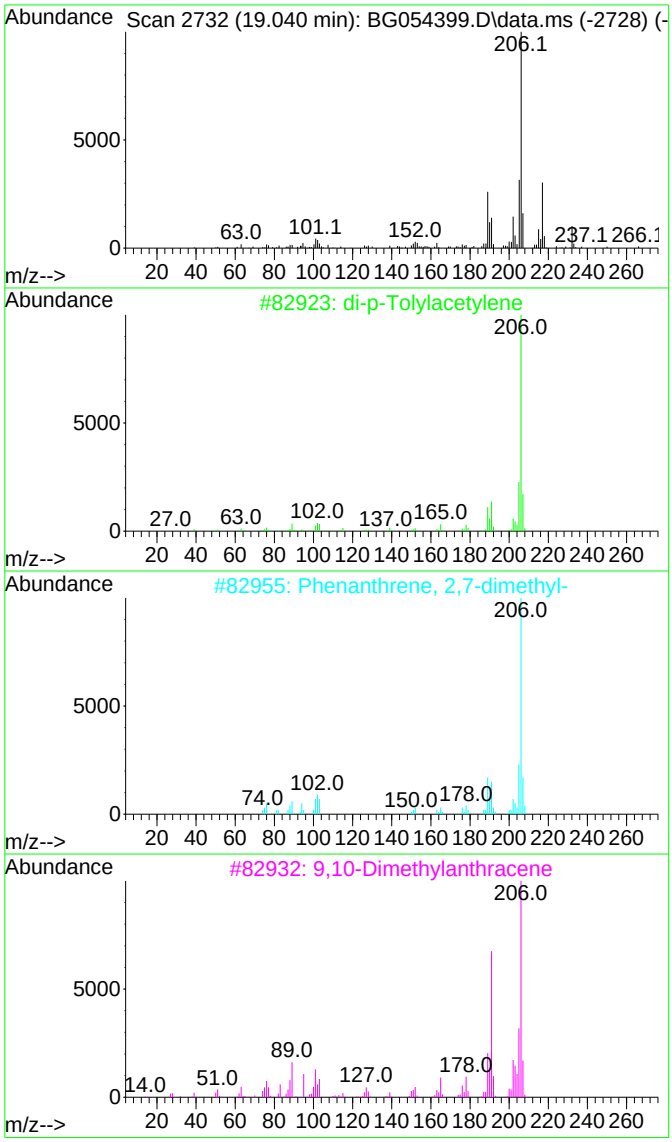
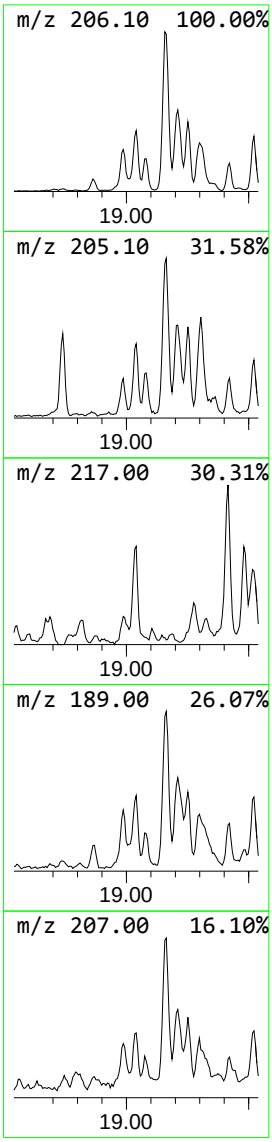
Peak Number 11 di-p-Tolylacetylene Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.040	12.14 ng	181369	Phenanthrene-d10	17.371

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	di-p-Tolylacetylene	206	C16H14	002789-88-0	58
2	Phenanthrene, 2,7-dimethyl-	206	C16H14	001576-69-8	53
3	9,10-Dimethylanthracene	206	C16H14	000781-43-1	52
4	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	52
5	1,4-Diphenyl-1,3-butadiene	206	C16H14	000886-65-7	50





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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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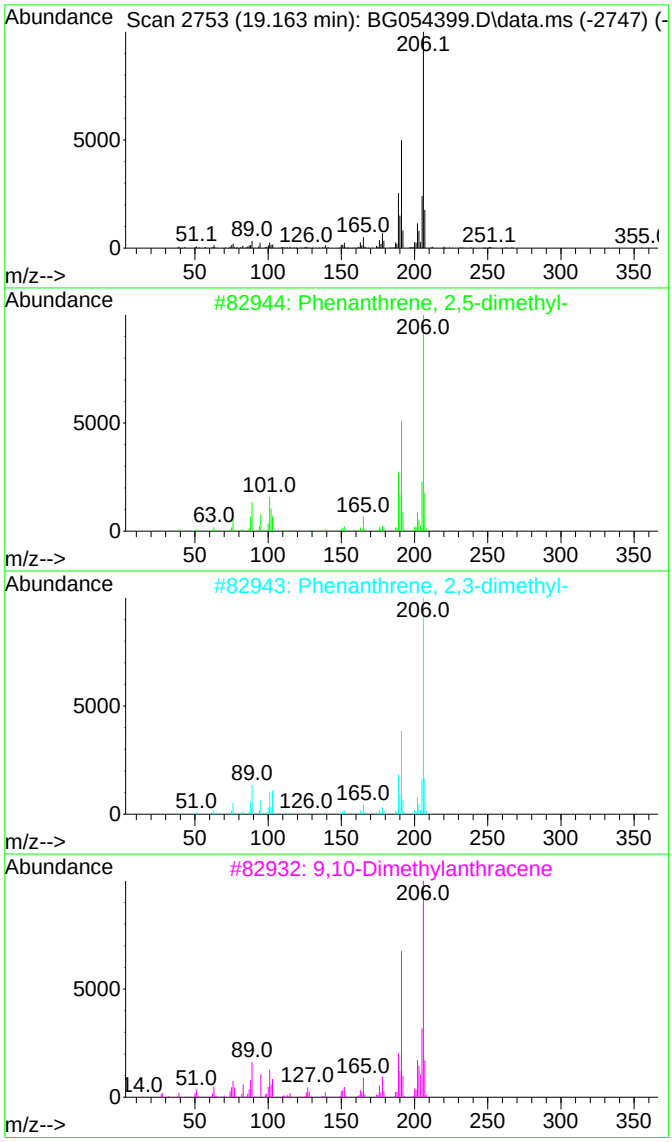
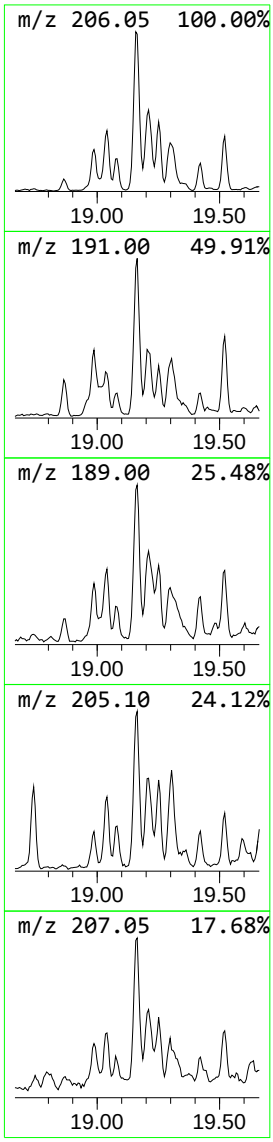
Peak Number 12 Phenanthrene, 2,5-dimethyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.163	32.53 ng	485949	Phenanthrene-d10	17.371

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	94
2	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	91
3	9,10-Dimethylanthracene	206	C16H14	000781-43-1	91
4	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	90
5	3,4-Dimethylphenanthrene	206	C16H14	1000452-24-5	90





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Sample : N3857-02
Misc :
ALS Vial : 9 Sample Multiplier: 1

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

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

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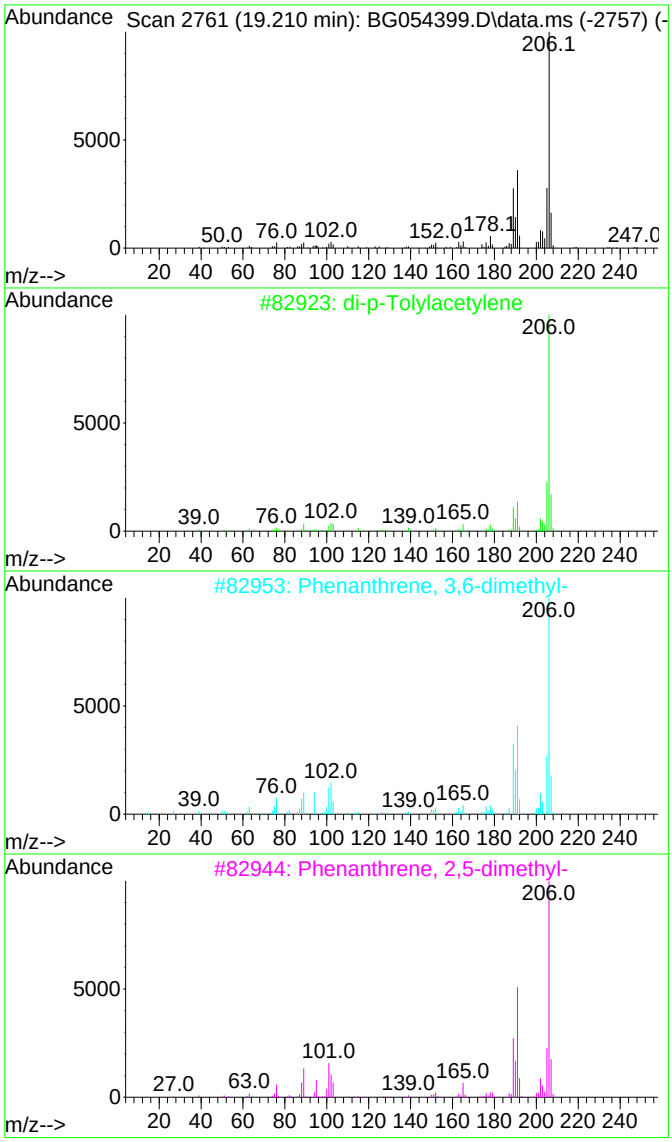
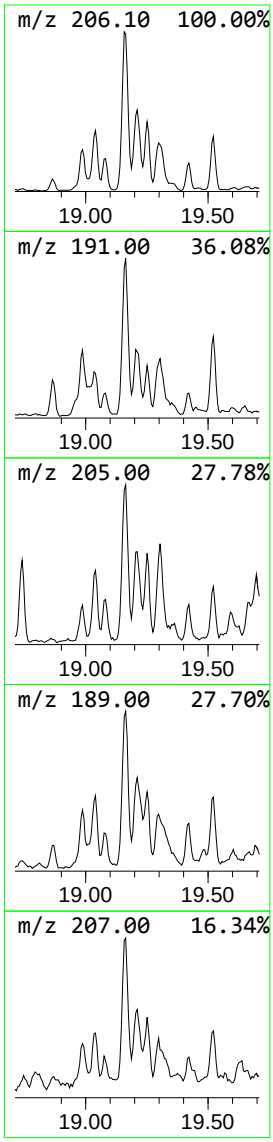
Peak Number 13 Phenanthrene, 1,7-dimethyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.210	14.19 ng	211956	Phenanthrene-d10	17.371

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	di-p-Tolylacetylene	206	C16H14	002789-88-0	97
2	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	94
3	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	94
4	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	91
5	9,10-Dimethylanthracene	206	C16H14	000781-43-1	91





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

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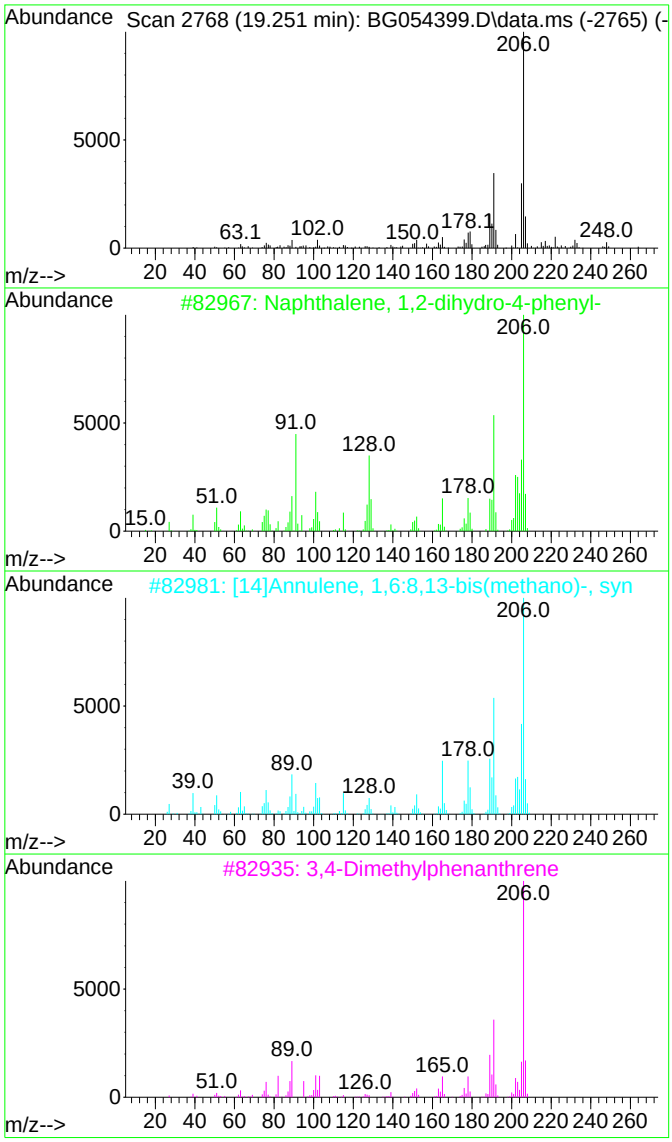
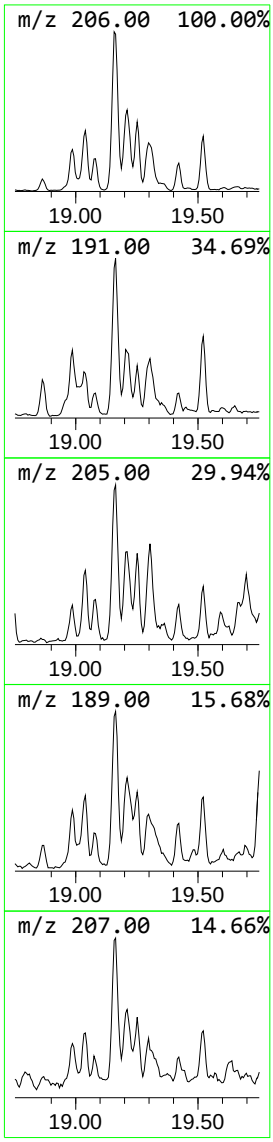
Peak Number 14 Naphthalene, 1,2-dihydro-4-... Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.251	9.08 ng	135662	Phenanthrene-d10	17.371

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,2-dihydro-4-phenyl-	206	C16H14	007469-40-1	93
2	[14]Annulene, 1,6:8,13-bis(metha...	206	C16H14	085385-68-8	90
3	3,4-Dimethylphenanthrene	206	C16H14	1000452-24-5	87
4	9,10-Dimethylanthracene	206	C16H14	000781-43-1	87
5	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	87





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

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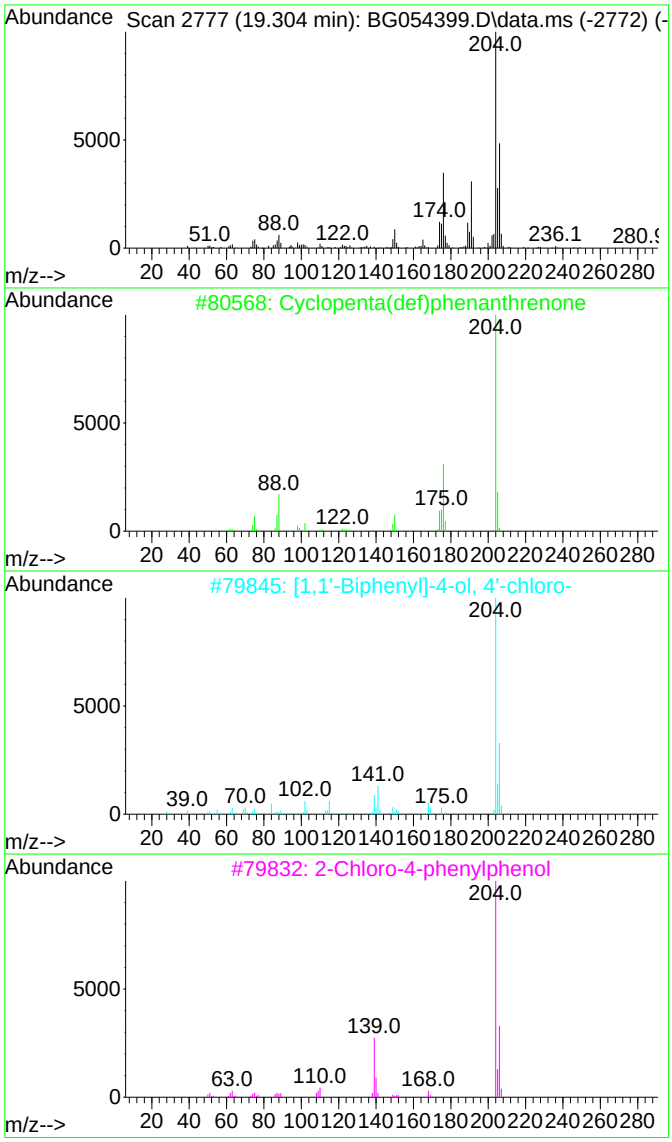
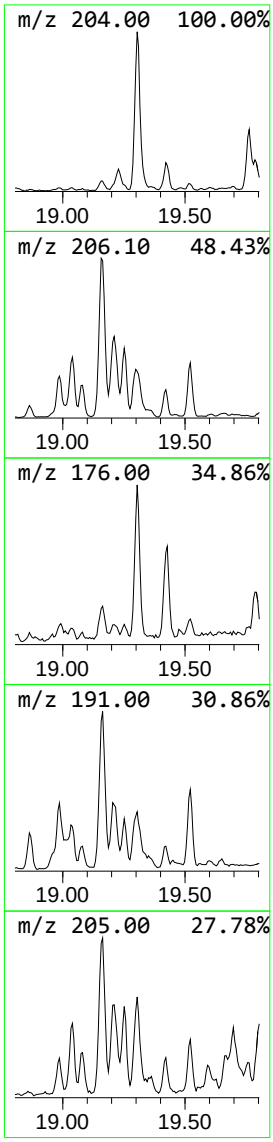
Peak Number 15 Cyclopenta(def)phenanthrenone Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.304	20.64 ng	308270	Phenanthrene-d10	17.371

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	47
3	2-Chloro-4-phenylphenol	204	C12H9ClO	000092-04-6	47
4	5-(4-Chlorophenyl)-4-pyrimidinyl...	205	C10H8ClN3	035202-25-6	43
5	2,4-Dichloro-3-ethyl-5-methylphe...	290	C13H16Cl2O3	1000487-42-9	40





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

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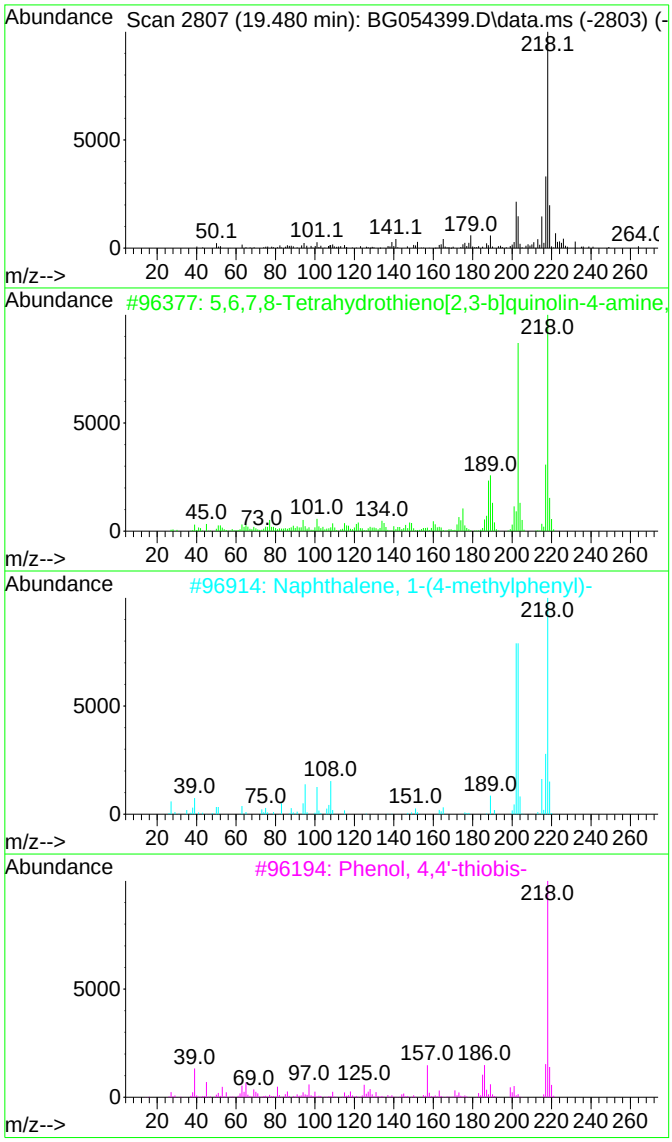
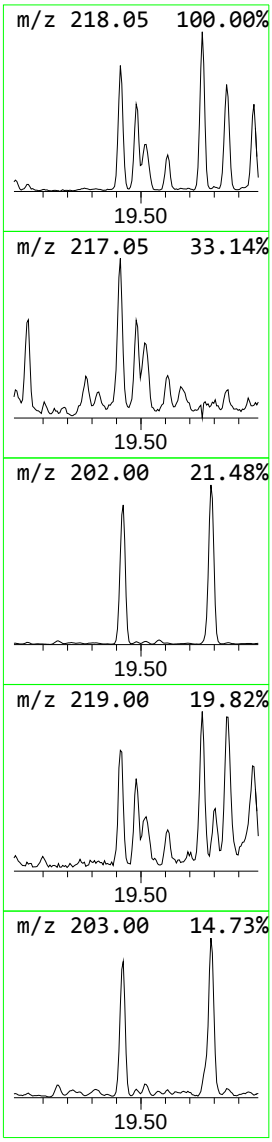
Peak Number 16 5,6,7,8-Tetrahydrothieno[2,... Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.480	6.85 ng	102314	Phenanthrene-d10	17.371

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	5,6,7,8-Tetrahydrothieno[2,3-b]q...	218	C12H14N2S	134315-44-9	53
2	Naphthalene, 1-(4-methylphenyl)-	218	C17H14	027331-34-6	50
3	Phenol, 4,4'-thiobis-	218	C12H10O2S	002664-63-3	47
4	Naphthalene, 2-(phenylmethyl)-	218	C17H14	000613-59-2	45
5	Benzo[b]naphtho[2,3-d]furan	218	C16H10O	000243-42-5	43





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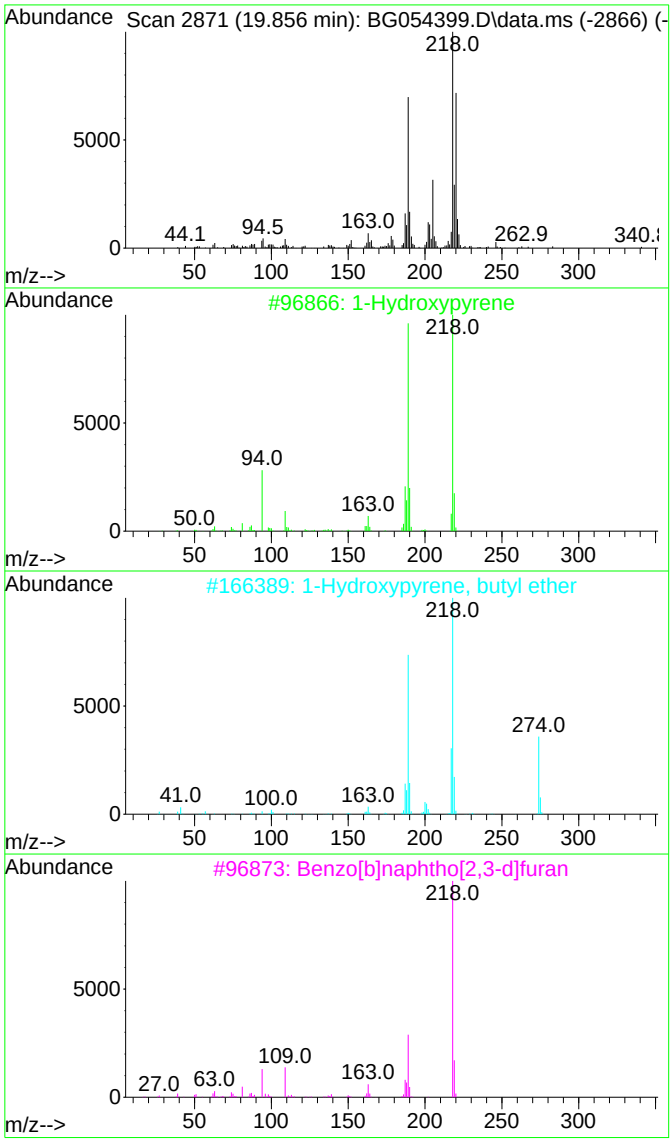
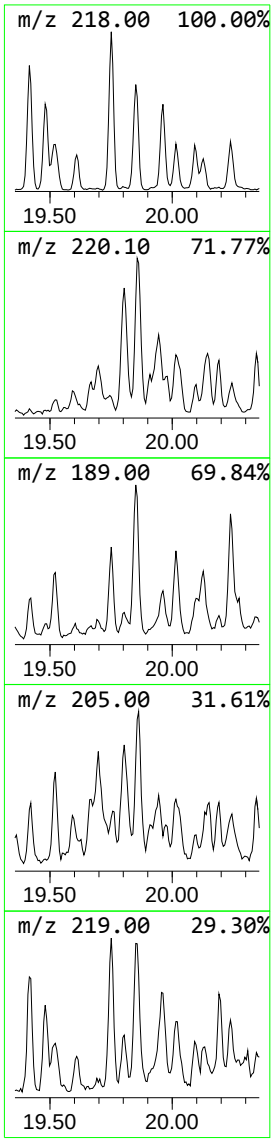
Peak Number 17 1-Hydroxypyrene Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.856	4.47 ng	253714	Chrysene-d12	21.637

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Hydroxypyrene	218	C16H10O	005315-79-7	78
2	1-Hydroxypyrene, butyl ether	274	C20H18O	1000453-43-2	47
3	Benzo[b]naphtho[2,3-d]furan	218	C16H10O	000243-42-5	45
4	Benzo(b)naphtho(1,2-d)furan	218	C16H10O	000205-39-0	43
5	Tetrachloro-o-benzoquinone	244	C6Cl4O2	002435-53-2	43





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG072622\
Data File : BG054399.D
Acq On : 26 Jul 2022 15:31
Operator : CG/JU
Sample : N3857-02
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
TP-4

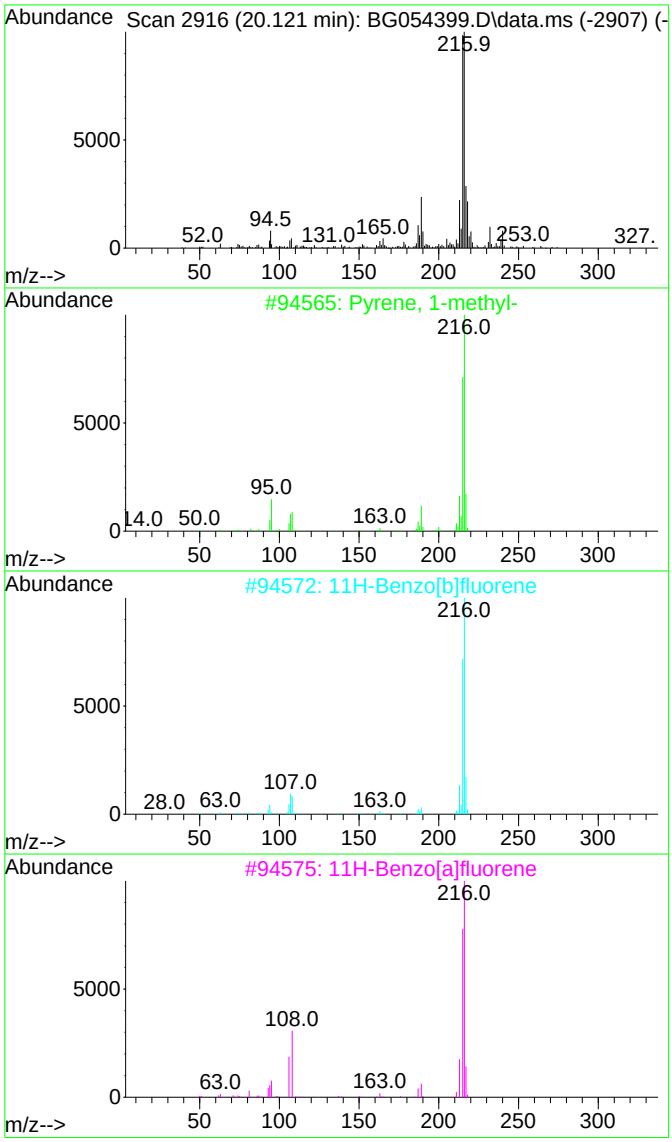
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG071522.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

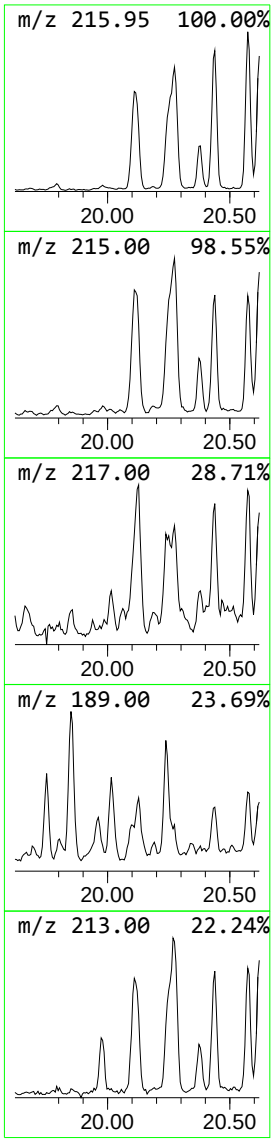
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 18 Pyrene, 1-methyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.121	8.97 ng	509619	Chrysene-d12	21.637

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	76
2	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	68
3	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	64
4	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	58
5	7H-Benzo[c]fluorene	216	C17H12	000205-12-9	50





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG072622\
Data File : BG054399.D
Acq On : 26 Jul 2022 15:31
Operator : CG/JU
Sample : N3857-02
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
TP-4

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG071522.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

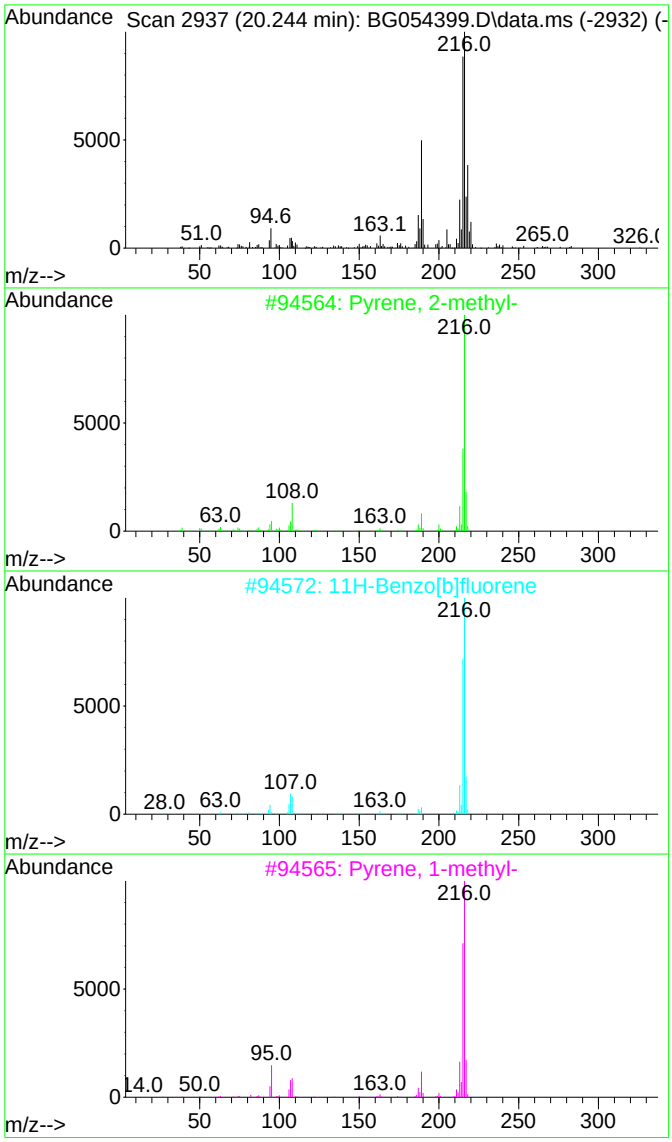
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

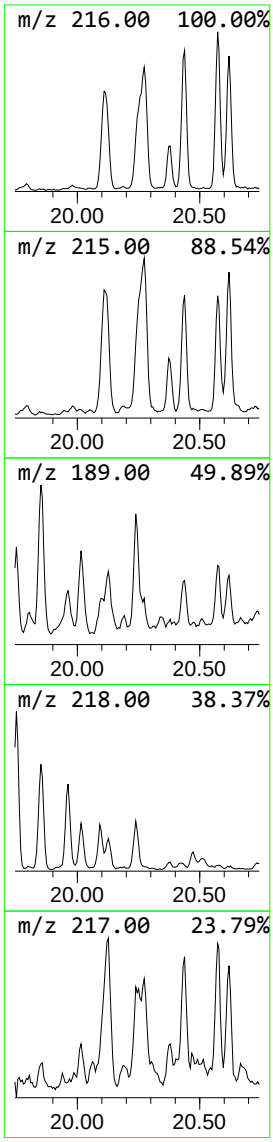
****

Peak Number 19 Pyrene, 2-methyl- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.244	4.79 ng	272064	Chrysene-d12	21.637

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 2-methyl-	216	C17H12	003442-78-2	70
2	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	70
3	Pyrene, 1-methyl-	216	C17H12	002381-21-7	70
4	Pyrene, 4-methyl-	216	C17H12	003353-12-6	64
5	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	62





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG072622\
Data File : BG054399.D
Acq On : 26 Jul 2022 15:31
Operator : CG/JU
Sample : N3857-02
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
TP-4

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG071522.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

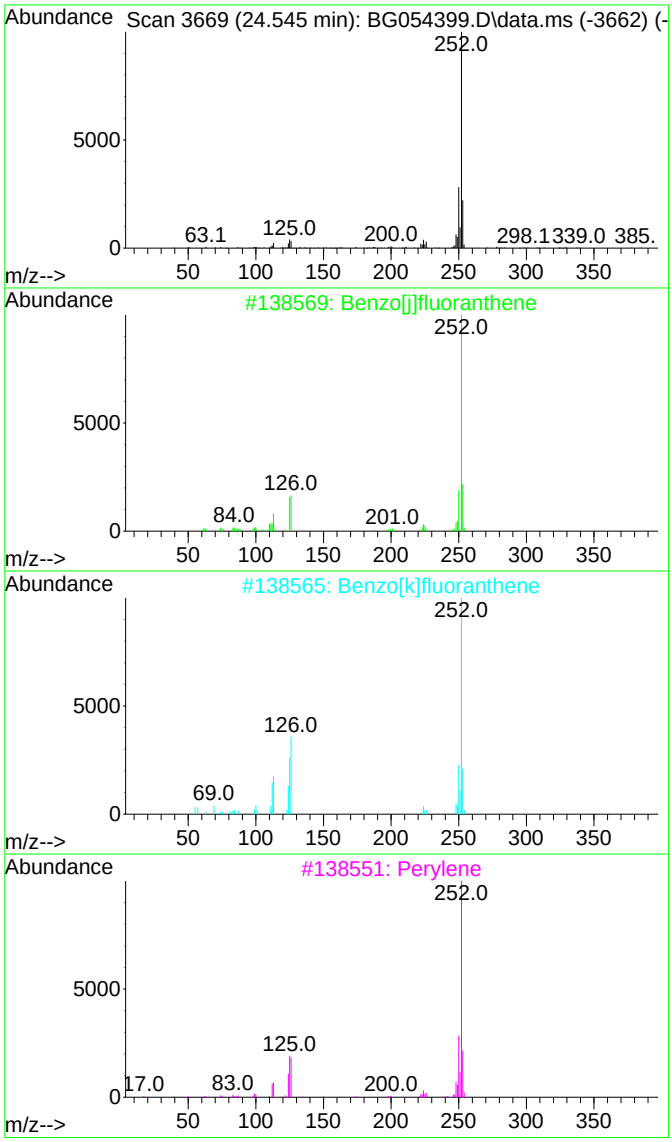
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

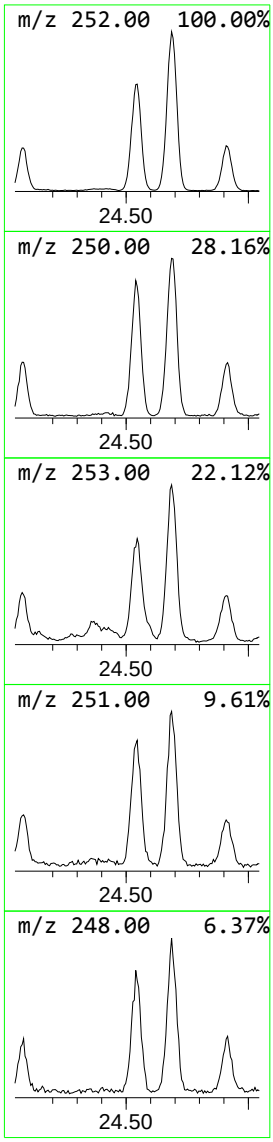
****

Peak Number 20 Benzo[j]fluoranthene Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
24.545	27.10 ng	469368	Perylene-d12	24.839

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[j]fluoranthene	252	C20H12	000205-82-3	93
2	Benzo[k]fluoranthene	252	C20H12	000207-08-9	90
3	Perylene	252	C20H12	000198-55-0	90
4	Benzo[e]pyrene	252	C20H12	000192-97-2	87
5	Benzo[b]fluoranthene	252	C20H12	000205-99-2	81





Tentatively Identified Compound (LSC) summary

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG072622\
Data File : BG054399.D
Acq On : 26 Jul 2022 15:31
Operator : CG/JU
Sample : N3857-02
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
TP-4

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG071522.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
1-Pentene, 2-me...	3.023	5.2	ng	22926	1	7.988	88640	20.0
Butane, 2-metho...	3.105	22.8	ng	101142	1	7.988	88640	20.0
2,4,2',4'-Tetra...	16.319	6.6	ng	98526	4	17.371	298779	20.0
Anthracene, 9-m...	18.247	33.0	ng	493254	4	17.371	298779	20.0
Phenanthrene, 1...	18.294	37.1	ng	554994	4	17.371	298779	20.0
Naphtho[2,3-b]n...	18.435	36.0	ng	538583	4	17.371	298779	20.0
1H-Indene, 2-ph...	18.476	32.1	ng	479365	4	17.371	298779	20.0
Naphthalene, 2-...	18.740	17.2	ng	257094	4	17.371	298779	20.0
Phenanthrene, 4...	18.863	5.8	ng	86036	4	17.371	298779	20.0
Phenanthrene, 3...	18.987	13.0	ng	194597	4	17.371	298779	20.0
di-p-Tolylacety...	19.040	12.1	ng	181369	4	17.371	298779	20.0
Phenanthrene, 2...	19.163	32.5	ng	485949	4	17.371	298779	20.0
Phenanthrene, 1...	19.210	14.2	ng	211956	4	17.371	298779	20.0
Naphthalene, 1,...	19.251	9.1	ng	135662	4	17.371	298779	20.0
Cyclopenta(def)...	19.304	20.6	ng	308270	4	17.371	298779	20.0
5,6,7,8-Tetrahy...	19.480	6.8	ng	102314	4	17.371	298779	20.0
1-Hydroxypyrene	19.856	4.5	ng	253714	5	21.637	1136100	20.0
Pyrene, 1-methyl-	20.121	9.0	ng	509619	5	21.637	1136100	20.0
Pyrene, 2-methyl-	20.244	4.8	ng	272064	5	21.637	1136100	20.0
Benzo[j]fluoran...	24.545	27.1	ng	469368	6	24.839	346391	20.0