LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG101322\
Data File : BG055169.D
Acq On : 13 Oct 2022 18:40
Operator : CG/JU
Sample : N5101-01 2X
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
OK-2-101122

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-BG101322.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BG055169.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	3.329	3	7	20	rVB	131098	222282	19.38%	1.713%
2	5.350	345	351	358	rVB	59712	96804	8.44%	0.746%
3	5.826	424	432	441	rVB	233508	390344	34.04%	3.009%
4	7.436	699	706	715	rBV	251500	431283	37.61%	3.324%
5	8.306	847	854	861	rVB	177304	292364	25.49%	2.253%
6	9.475	1046	1053	1060	rBV	152540	275746	24.04%	2.125%
7	10.873	1287	1291	1300	rVB2	6851	12775	1.11%	0.098%
8	11.132	1328	1335	1341	rBV	231836	423300	36.91%	3.263%
9	11.185	1341	1344	1353	rVB	23841	40172	3.50%	0.310%
10	12.501	1561	1568	1573	rBV4	6788	12231	1.07%	0.094%
11	12.765	1608	1613	1620	rVB	20423	31847	2.78%	0.245%
12	12.982	1644	1650	1658	rVB	14088	25855	2.25%	0.199%
13	13.441	1721	1728	1734	rBV6	8513	14172	1.24%	0.109%
14	13.541	1736	1745	1754	rBV	440250	653567	56.99%	5.038%
15	13.717	1768	1775	1779	rBV5	15215	29911	2.61%	0.231%
16	14.075	1831	1836	1838	rBV2	10803	16661	1.45%	0.128%
17	14.240	1858	1864	1868	rBV2	19234	35628	3.11%	0.275%
18	14.287	1868	1872	1877	rVB2	12980	20314	1.77%	0.157%
19	14.340	1877	1881	1883	rBV3	11515	15722	1.37%	0.121%
20	14.369	1883	1886	1891	rVB4	15993	22210	1.94%	0.171%
21	14.469	1898	1903	1914	rBV3	12008	27162	2.37%	0.209%
22	14.639	1927	1932	1940	rBV2	32249	69944	6.10%	0.539%
23	14.780	1953	1956	1964	rVB	15281	22095	1.93%	0.170%
24	14.910	1966	1978	1985	rBV	354701	577857	50.39%	4.454%
25	14.974	1985	1989	1995	rVB4	16987	25790	2.25%	0.199%
26	15.115	2008	2013	2021	rBV8	9287	25032	2.18%	0.193%
27	15.297	2038	2044	2052	rVB2	23915	46339	4.04%	0.357%
28	15.374	2052	2057	2062	rBV4	14166	22606	1.97%	0.174%
29	15.515	2075	2081	2087	rBV5	15627	31193	2.72%	0.240%
30	15.562	2087	2089	2094	rVB3	9819	13740	1.20%	0.106%
31	15.691	2102	2111	2113	rBV8	11890	29040	2.53%	0.224%
32	15.720	2113	2116	2121	rVB	24462	31634	2.76%	0.244%
33	15.779	2121	2126	2130	rBV2	10163	17437	1.52%	0.134%
34	15.850	2136	2138	2143	rVB5	9284	11804	1.03%	0.091%
35	15.944	2149	2154	2165	rVB3	24717	51868	4.52%	0.400%
36	16.126	2179	2185	2187	rBV7	7067	13154	1.15%	0.101%

LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG101322\
Data File : BG055169.D
Acq On : 13 Oct 2022 18:40
Operator : CG/JU
Sample : N5101-01 2X
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
OK-2-101122

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-BG101322.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

37	16.155	2188	2190	2196	rVB7	7735	12009	1.05%	0.093%
38	16.232	2196	2203	2212	rBV8	11083	29925	2.61%	0.231%
39	16.384	2223	2229	2237	rVB	305593	473967	41.33%	3.653%
40	16.578	2258	2262	2264	rBV2	22967	30122	2.63%	0.232%
41	16.608	2264	2267	2277	rVB4	30372	54462	4.75%	0.420%
42	16.749	2287	2291	2295	rBV5	9651	15090	1.32%	0.116%
43	16.948	2318	2325	2328	rBV6	14968	33522	2.92%	0.258%
44	16.990	2330	2332	2337	rVB3	9558	14731	1.28%	0.114%
45	17.095	2346	2350	2355	rVB5	13111	19918	1.74%	0.154%
46	17.172	2355	2363	2365	rBV7	11846	26074	2.27%	0.201%
47	17.295	2380	2384	2393	rBV9	12607	27272	2.38%	0.210%
48	17.366	2393	2396	2402	rVV	26815	39465	3.44%	0.304%
49	17.424	2402	2406	2409	rVV3	14191	23344	2.04%	0.180%
50	17.460	2409	2412	2419	rVB	32697	52419	4.57%	0.404%
51	17.642	2437	2443	2447	rBV	389154	612954	53.45%	4.725%
52	17.689	2447	2451	2456	rVB	263966	385384	33.60%	2.970%
53	17.777	2462	2466	2470	rBV	35759	56987	4.97%	0.439%
54	17.836	2471	2476	2480	rVB5	16940	34532	3.01%	0.266%
55	17.912	2485	2489	2491	rBV5	11064	14605	1.27%	0.113%
56	18.041	2507	2511	2513	rBV2	13317	17954	1.57%	0.138%
57	18.106	2519	2522	2527	rVB2	25515	33043	2.88%	0.255%
58	18.153	2527	2530	2534	rVV	20926	26528	2.31%	0.204%
59	18.223	2538	2542	2548	rVB	46696	74362	6.48%	0.573%
60	18.364	2561	2566	2572	rVB	28492	52480	4.58%	0.405%
61	18.429	2574	2577	2582	rBV6	12019	24973	2.18%	0.192%
62	18.511	2585	2591	2595	rBV	117507	215007	18.75%	1.657%
63	18.558	2595	2599	2605	rVB	128992	204720	17.85%	1.578%
64	18.640	2609	2613	2618	rBV2	31189	51268	4.47%	0.395%
65	18.699	2618	2623	2627	rVV2	125402	240639	20.98%	1.855%
66	18.740	2627	2630	2635	rVB	86189	121856	10.63%	0.939%
67	18.787	2636	2638	2641	rBV	16534	15696	1.37%	0.121%
68	18.905	2653	2658	2662	rVB2	30660	47206	4.12%	0.364%
69	18.999	2669	2674	2677	rBV2	72257	108275	9.44%	0.835%
70	19.046	2678	2682	2692	rVB3	51376	119527	10.42%	0.921%
71	19.128	2692	2696	2698	rBV3	13520	24662	2.15%	0.190%
72	19.240	2708	2715	2719	rBV2	48123	97438	8.50%	0.751%
73	19.293	2720	2724	2727	rVV	71996	96215	8.39%	0.742%
74	19.328	2727	2730	2734	rVB3	50515	66973	5.84%	0.516%
75	19.410	2739	2744	2748	rBV	186458	285992	24.94%	2.204%
76	19.463	2749	2753	2757	rBV4	49606	91913	8.01%	0.708%

LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG101322\
Data File : BG055169.D
Acq On : 13 Oct 2022 18:40
Operator : CG/JU
Sample : N5101-01 2X
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
OK-2-101122

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-BG101322.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

77	19.551	2763	2768	2772	rBV2	67814	139992	12.21%	1.079%
78	19.675	2784	2789	2794	rBV	423223	611725	53.34%	4.715%
79	19.727	2795	2798	2802	rBV3	38895	60915	5.31%	0.470%
80	20.033	2846	2850	2856	rVB	615470	894047	77.96%	6.891%
81	20.098	2858	2861	2867	rVB	90439	127954	11.16%	0.986%
82	20.215	2877	2881	2886	rVB	587734	763808	66.60%	5.887%
83	20.673	2956	2959	2963	rVB	131997	152761	13.32%	1.177%
84	20.814	2980	2983	2987	rBV	144462	177505	15.48%	1.368%
85	20.861	2988	2991	3002	rVB2	126537	232958	20.31%	1.796%
86	21.531	3102	3105	3110	rVB	110153	142294	12.41%	1.097%
87	21.925	3164	3172	3177	rBV2	434665	1146825	100.00%	8.839%
88	21.978	3178	3181	3193	rVB	266453	469751	40.96%	3.621%

Sum of corrected areas: 12973927

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG101322\
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Acq On : 13 Oct 2022 18:40
Operator : CG/JU
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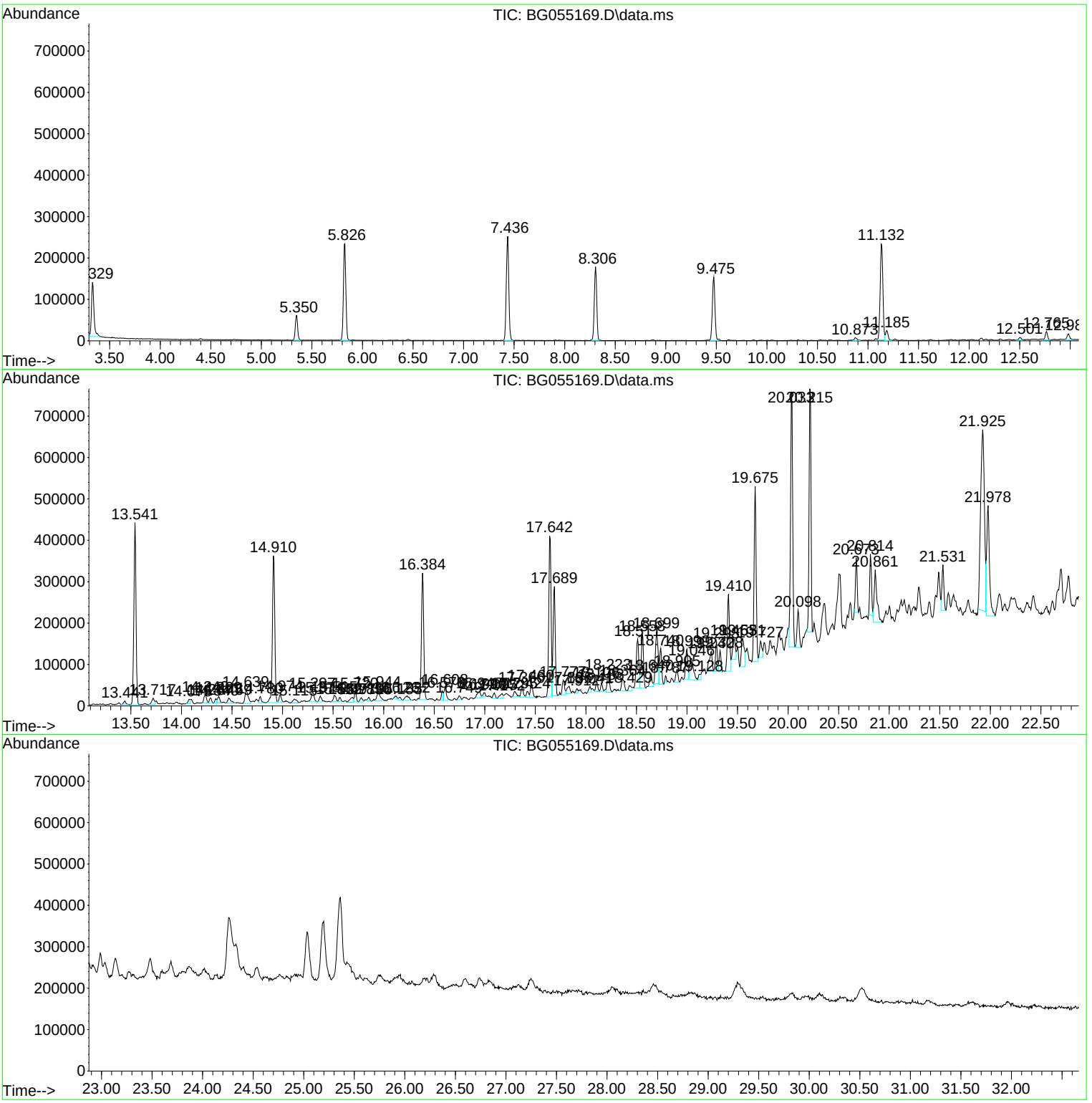
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
OK-2-101122

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG101322.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\BG101322\
Data File : BG055169.D
Acq On : 13 Oct 2022 18:40
Operator : CG/JU
Sample : N5101-01 2X
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
OK-2-101122

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG101322.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

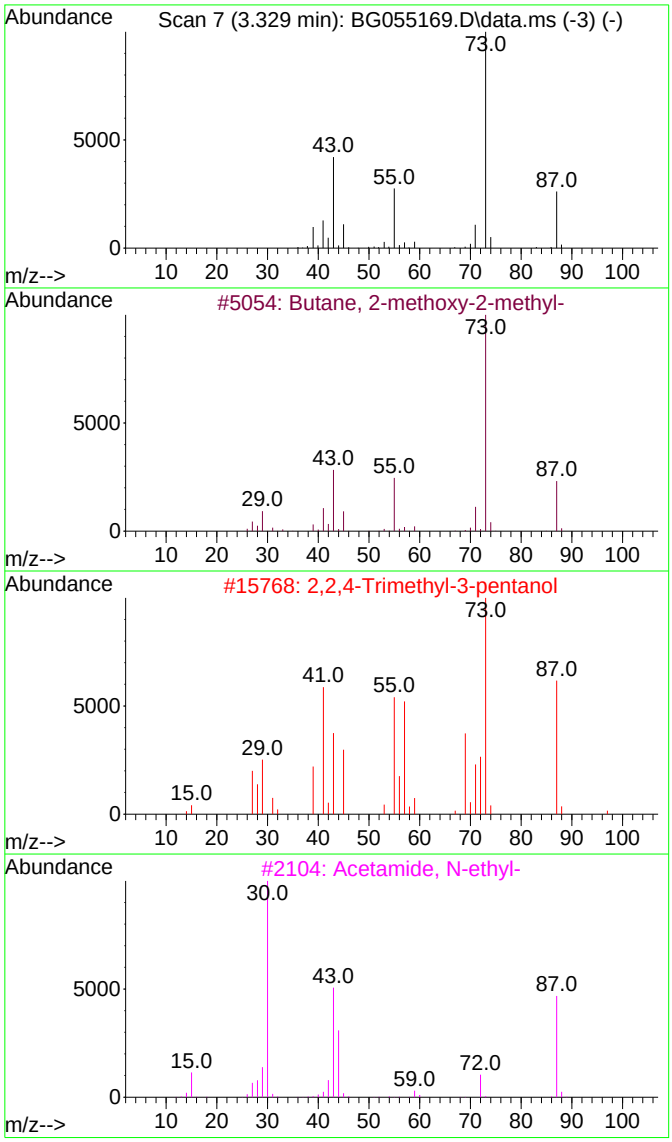
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

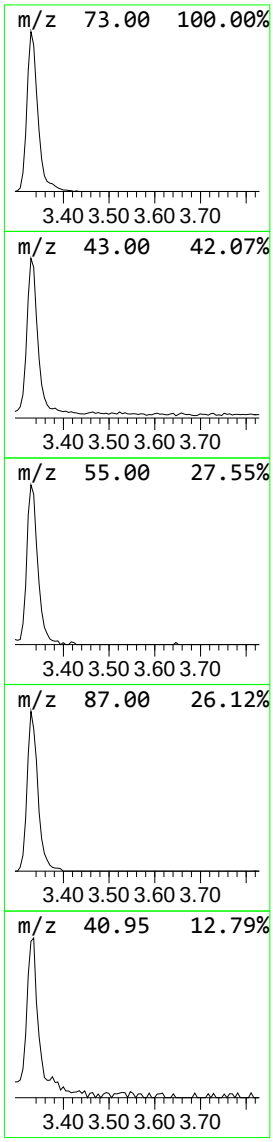
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.329	15.21 ng	222282	1,4-Dichlorobenzene-d4	8.306

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butane, 2-methoxy-2-methyl-	102	C6H14O	000994-05-8	78
2	2,2,4-Trimethyl-3-pentanol	130	C8H18O	005162-48-1	50
3	Acetamide, N-ethyl-	87	C4H9NO	000625-50-3	35
4	1,3-Dioxolane, 2-propyl-	116	C6H12O2	003390-13-4	17
5	2-Methyl-5-hexen-3-ol	114	C7H14O	032815-70-6	16





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG101322\
Data File : BG055169.D
Acq On : 13 Oct 2022 18:40
Operator : CG/JU
Sample : N5101-01 2X
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
OK-2-101122

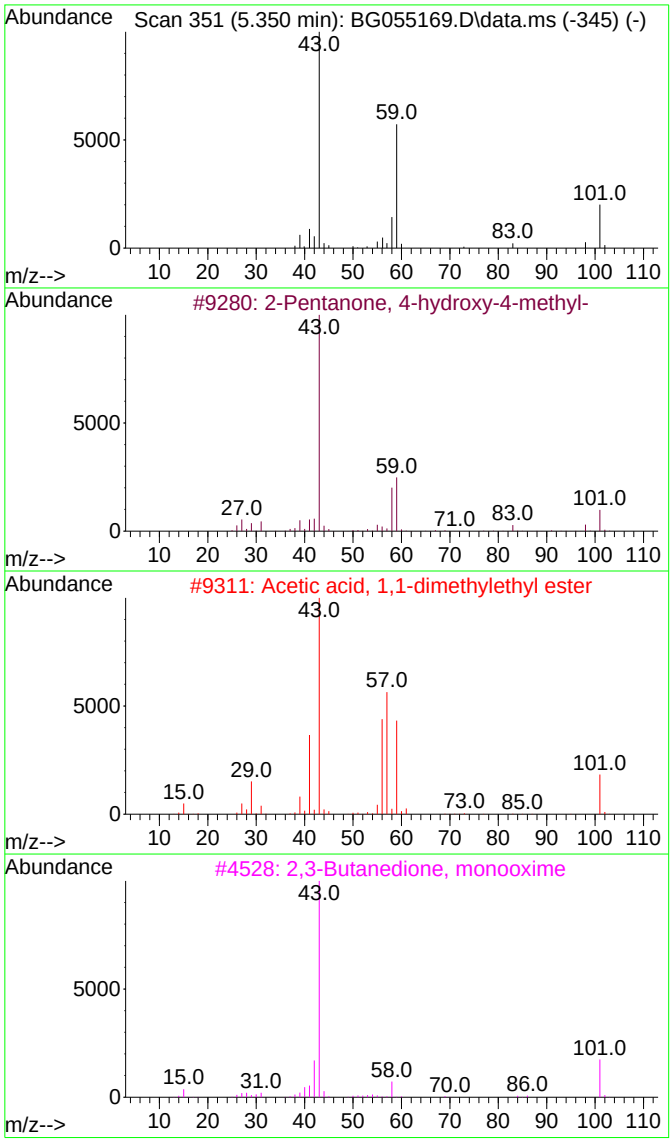
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG101322.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

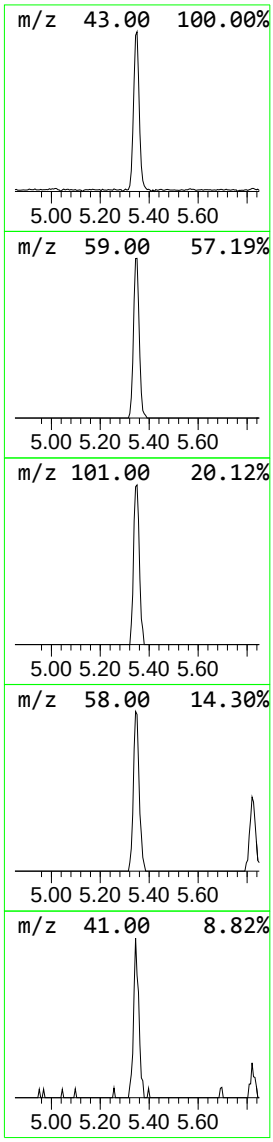
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.350	6.62 ng	96804	1,4-Dichlorobenzene-d4	8.306

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	72
2	Acetic acid, 1,1-dimethylethyl e...	116	C6H12O2	000540-88-5	39
3	2,3-Butanedione, monooxime	101	C4H7NO2	000057-71-6	25
4	Propane, 2-ethoxy-2-methyl-	102	C6H14O	000637-92-3	17
5	1-Propen-2-ol, acetate	100	C5H8O2	000108-22-5	10





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG101322\
Data File : BG055169.D
Acq On : 13 Oct 2022 18:40
Operator : CG/JU
Sample : N5101-01 2X
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
OK-2-101122

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG101322.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

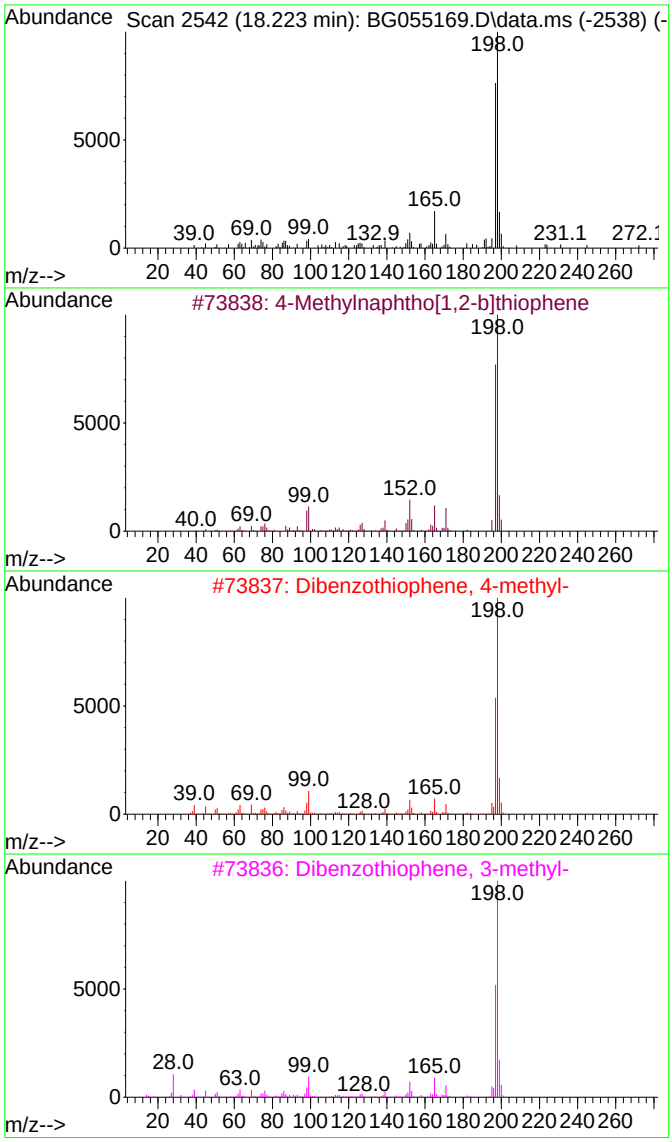
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

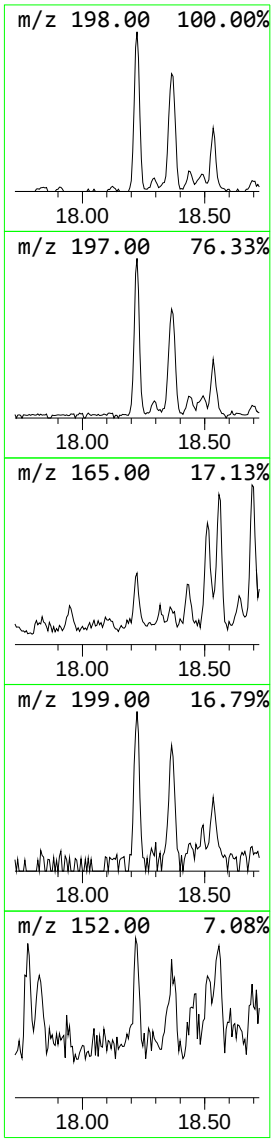
****

Peak Number 3 4-Methylnaphtho[1,2-b]thiop... Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.223	2.43 ng	74362	Phenanthrene-d10	17.642

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4-Methylnaphtho[1,2-b]thiophene	198	C13H10S	067388-11-8	94
2	Dibenzothiophene, 4-methyl-	198	C13H10S	007372-88-5	93
3	Dibenzothiophene, 3-methyl-	198	C13H10S	016587-52-3	93
4	1-Methyldibenzothiophene	198	C13H10S	031317-07-4	87
5	2-Methyldibenzothiophene	198	C13H10S	1000383-55-1	87





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG101322\
Data File : BG055169.D
Acq On : 13 Oct 2022 18:40
Operator : CG/JU
Sample : N5101-01 2X
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
OK-2-101122

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG101322.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

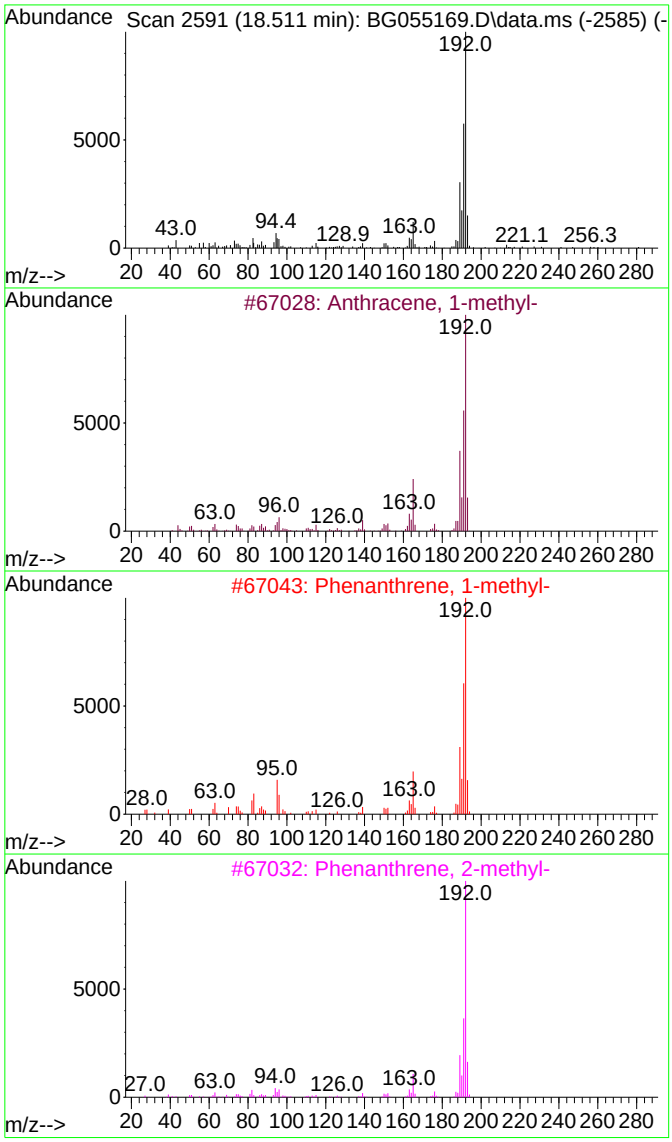
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

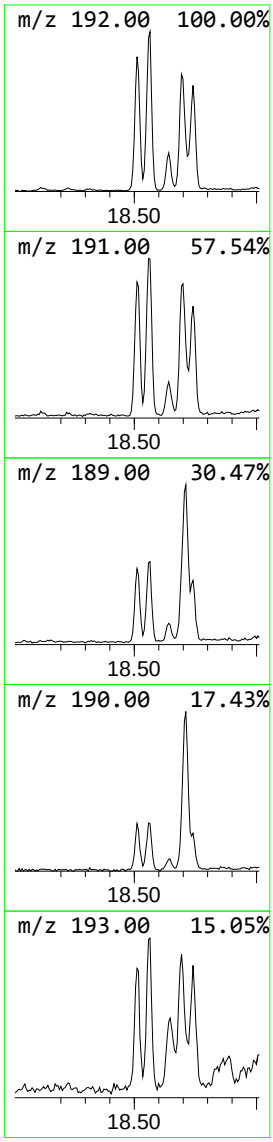
****

Peak Number 4 Anthracene, 1-methyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.511	7.02 ng	215007	Phenanthrene-d10	17.642

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, 2-methyl-	192	C15H12	002531-84-2	93
4	Anthracene, 2-methyl-	192	C15H12	000613-12-7	93
5	Anthracene, 9-methyl-	192	C15H12	000779-02-2	91





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG101322\
Data File : BG055169.D
Acq On : 13 Oct 2022 18:40
Operator : CG/JU
Sample : N5101-01 2X
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
OK-2-101122

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG101322.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

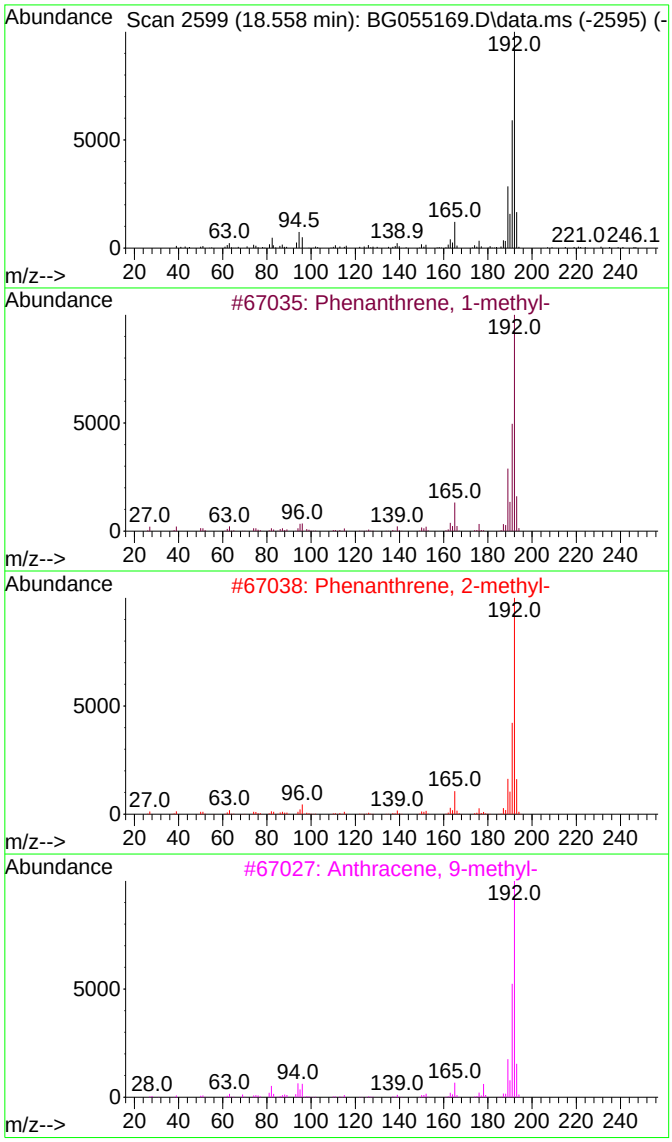
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

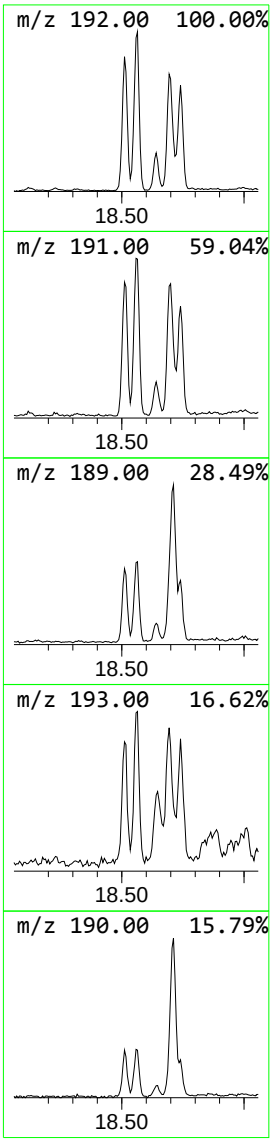
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.558	6.68 ng	204720	Phenanthrene-d10	17.642

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	94
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	93
3	Anthracene, 9-methyl-	192	C15H12	000779-02-2	93
4	Anthracene, 2-methyl-	192	C15H12	000613-12-7	91
5	Naphtho[2,3-b]norbornadiene	192	C15H12	107426-38-0	90





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG101322\
Data File : BG055169.D
Acq On : 13 Oct 2022 18:40
Operator : CG/JU
Sample : N5101-01 2X
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
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Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG101322.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

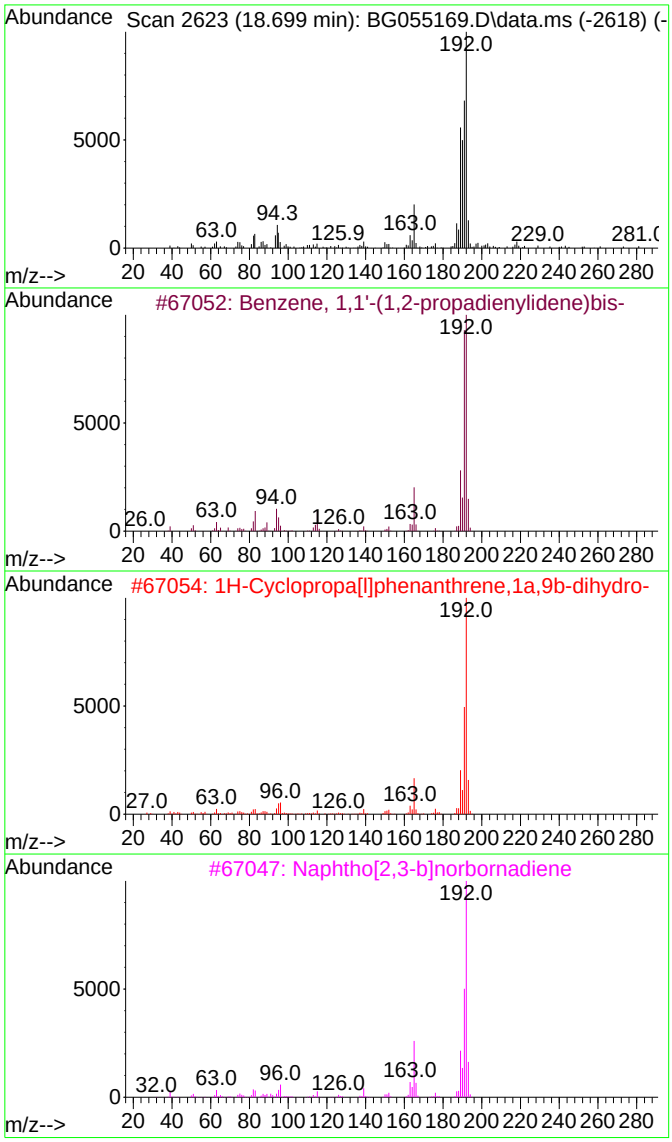
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

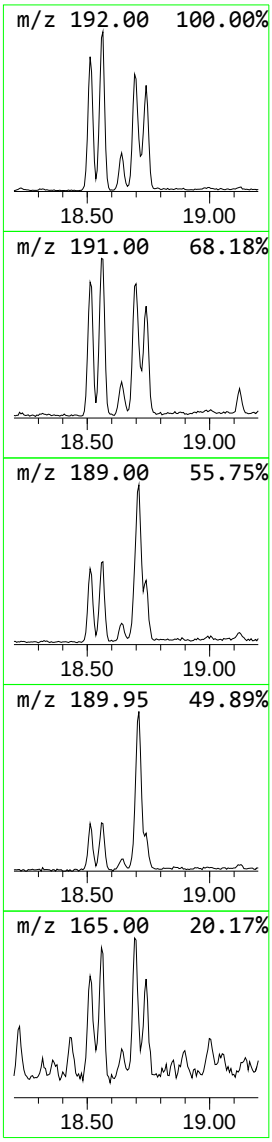
****

Peak Number 6 Benzene, 1,1'-(1,2-propadie... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.699	7.85 ng	240639	Phenanthrene-d10	17.642

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,1'-(1,2-propadienylid...	192	C15H12	014251-57-1	64
2	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	64
3	Naphtho[2,3-b]norbornadiene	192	C15H12	107426-38-0	60
4	Anthracene, 1-methyl-	192	C15H12	000610-48-0	60
5	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	60





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Acq On : 13 Oct 2022 18:40
Operator : CG/JU
Sample : N5101-01 2X
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
OK-2-101122

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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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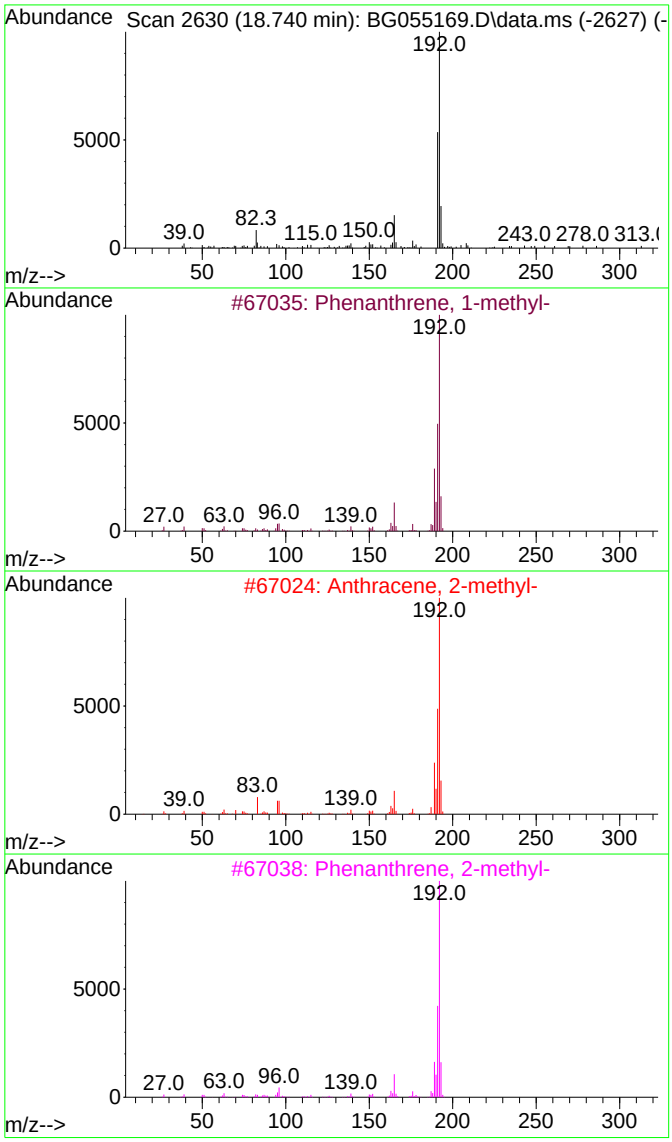
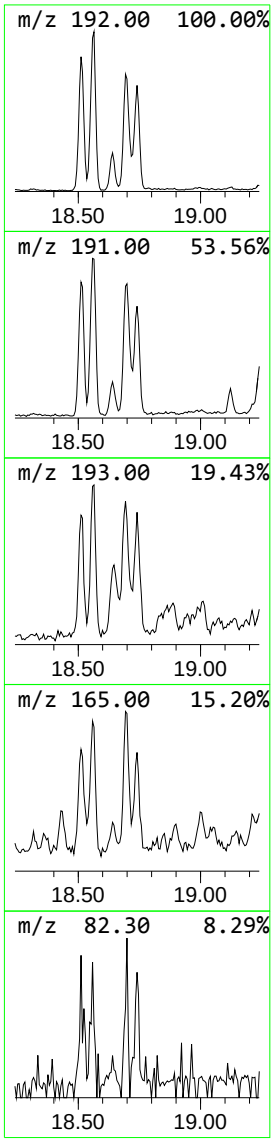
Peak Number 7 Anthracene, 2-methyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.740	3.98 ng	121856	Phenanthrene-d10	17.642

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	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	91
4	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	91
5	Phenanthrene, 9-methyl-	192	C15H12	000883-20-5	91





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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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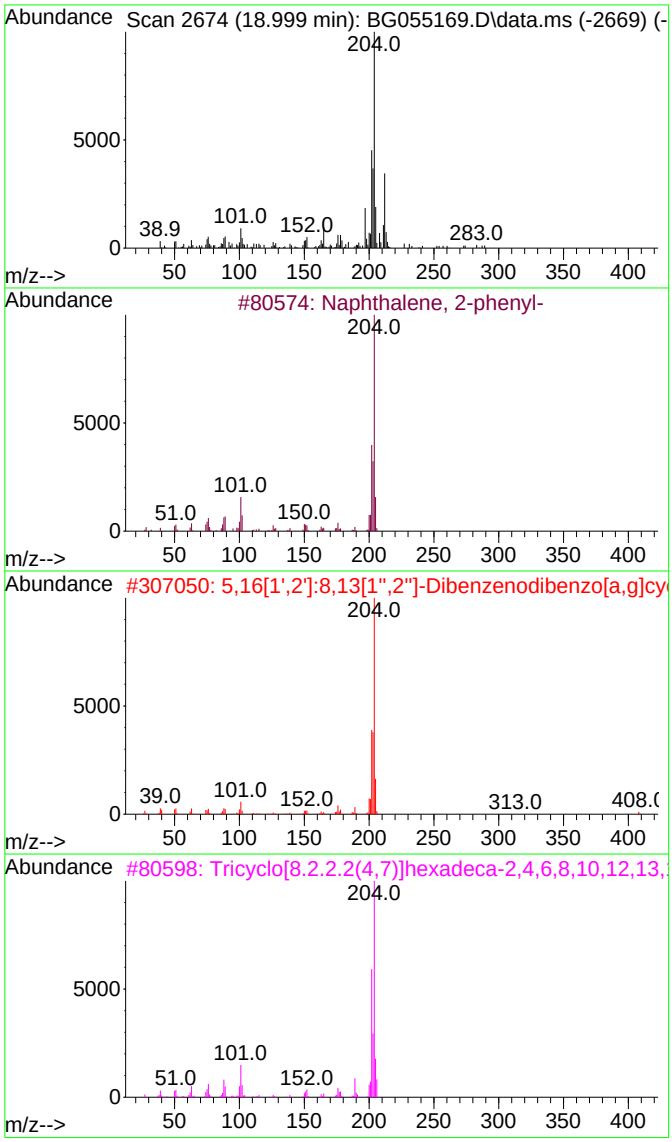
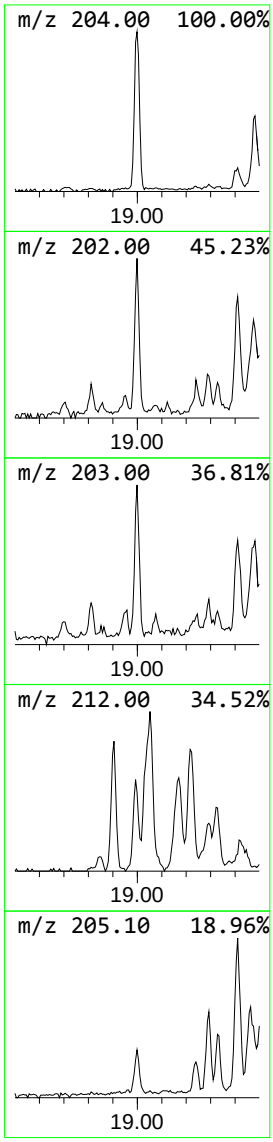
Peak Number 8 Naphthalene, 2-phenyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.999	3.53 ng	108275	Phenanthrene-d10	17.642

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	64
2	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	62
3	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	50
4	[1,1'-Biphenyl]-2,2'-dicarbonitrile	204	C14H8N2	004341-02-0	46
5	[1,1'-Biphenyl]-4,4'-dicarbonitrile	204	C14H8N2	001591-30-6	43





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ALS Vial : 14 Sample Multiplier: 1

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

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

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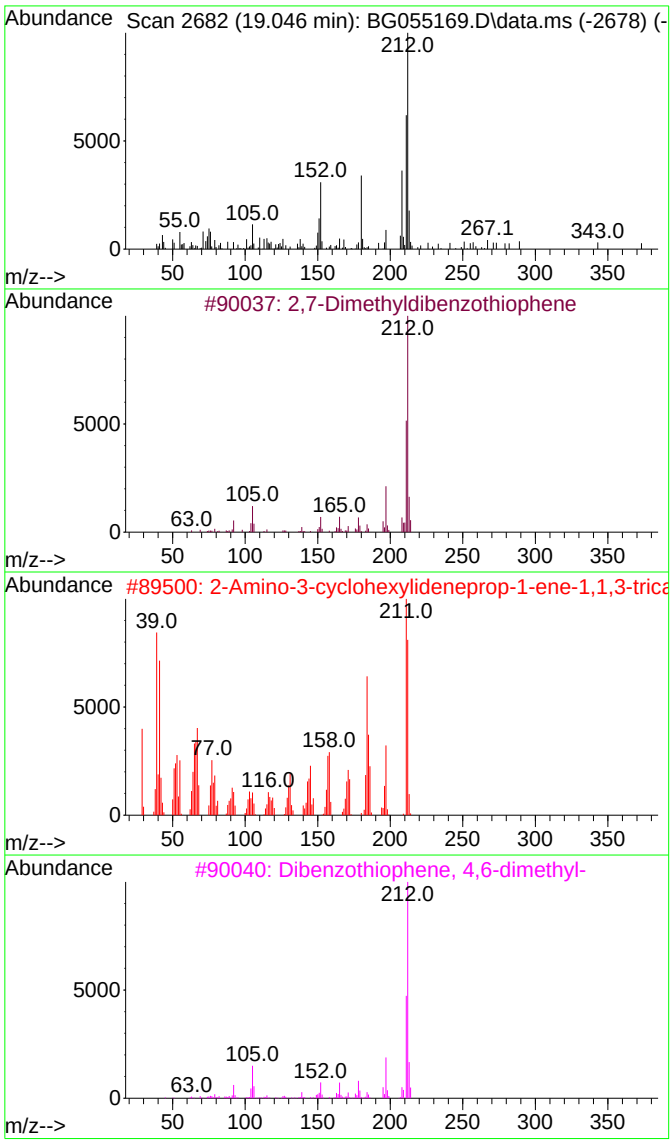
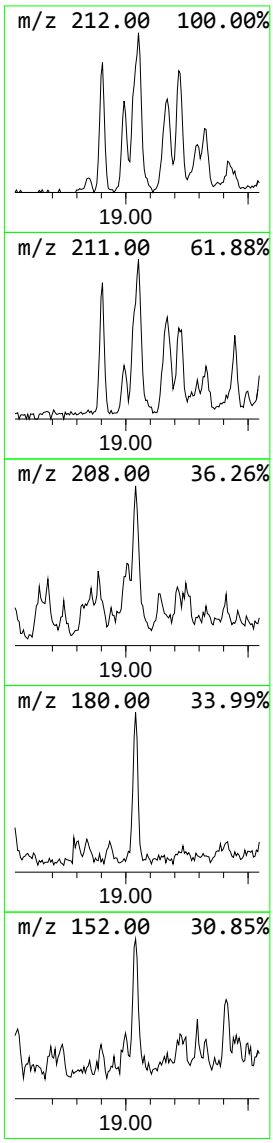
Peak Number 9 2,7-Dimethyldibenzothiophene Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.046	3.90 ng	119527	Phenanthrene-d10	17.642

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2,7-Dimethyldibenzothiophene	212	C14H12S	031317-19-8	50
2	2-Amino-3-cyclohexylideneprop-1-...	212	C12H12N4	057414-20-7	43
3	Dibenzothiophene, 4,6-dimethyl-	212	C14H12S	001207-12-1	40
4	Pinosylvin	212	C14H12O2	022139-77-1	40
5	4-(3-Methylphenyl)benzoic acid	212	C14H12O2	1000305-27-3	37





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Sample : N5101-01 2X
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ALS Vial : 14 Sample Multiplier: 1

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

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

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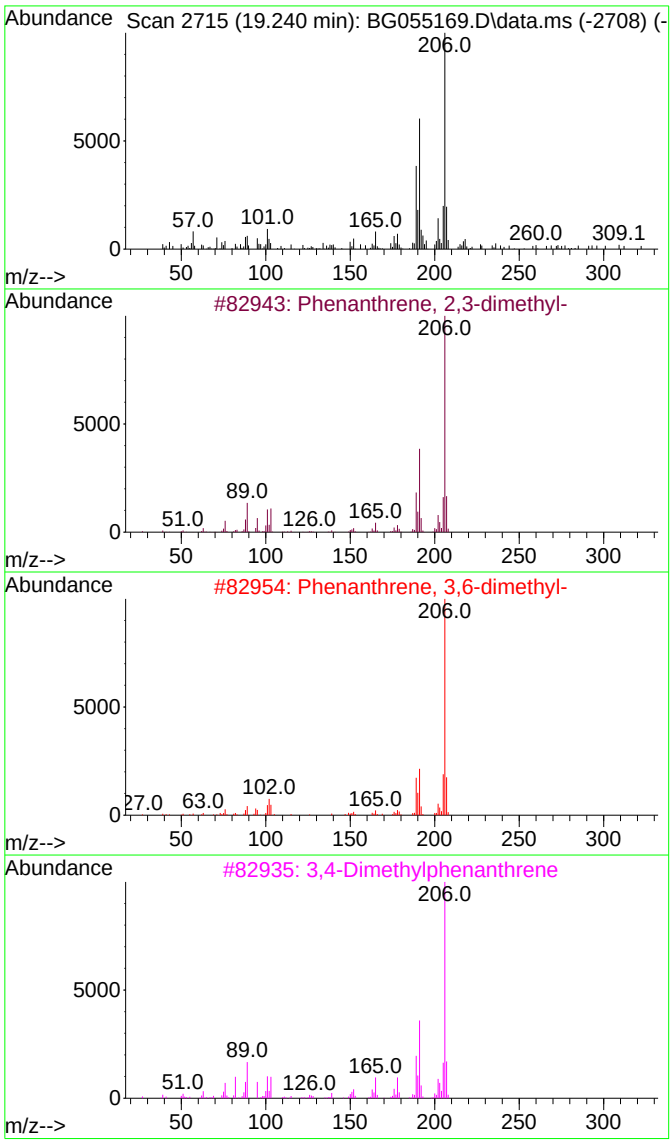
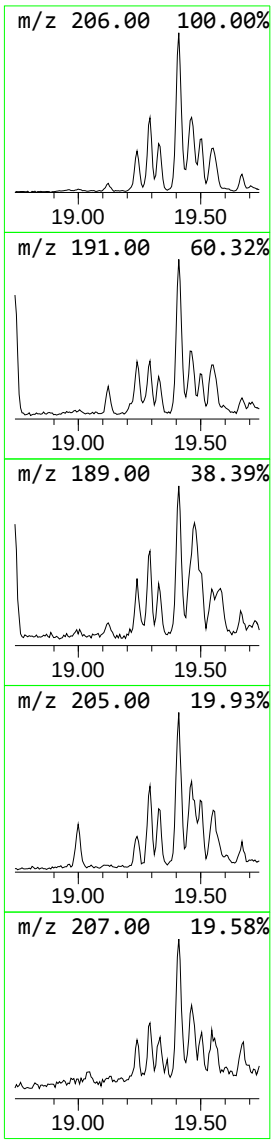
Peak Number 10 Phenanthrene, 2,3-dimethyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.240	3.18 ng	97438	Phenanthrene-d10	17.642

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	94
2	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	93
3	3,4-Dimethylphenanthrene	206	C16H14	1000452-24-5	91
4	9,10-Dimethylanthracene	206	C16H14	000781-43-1	74
5	Phenanthrene, 2,7-dimethyl-	206	C16H14	001576-69-8	74





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Sample : N5101-01 2X
Misc :
ALS Vial : 14 Sample Multiplier: 1

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

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

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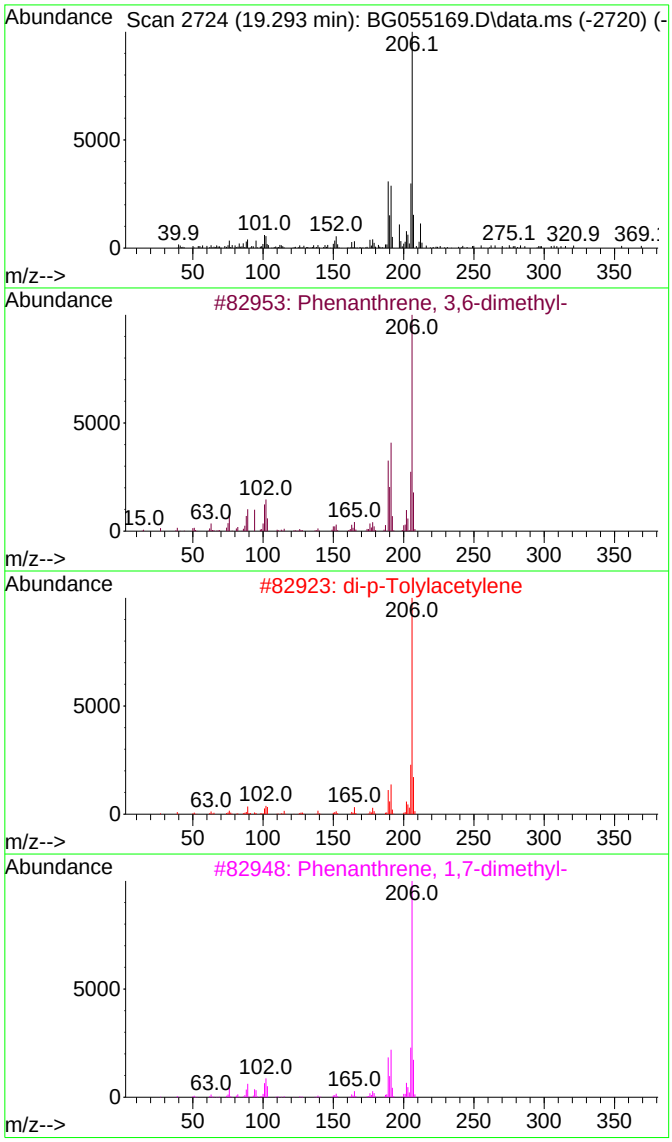
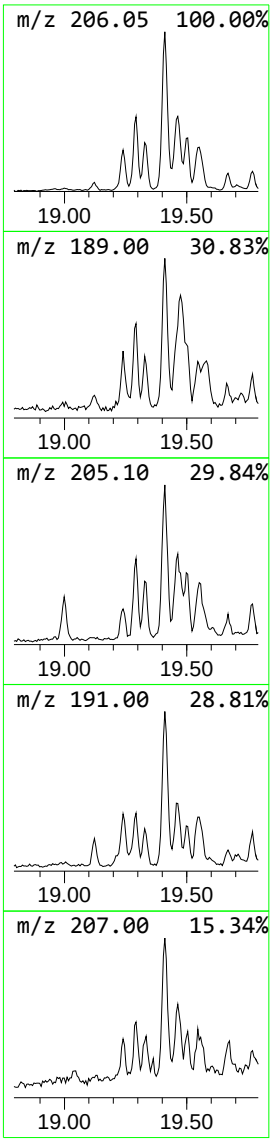
Peak Number 11 Phenanthrene, 3,6-dimethyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.293	3.14 ng	96215	Phenanthrene-d10	17.642

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	96
2	di-p-Tolylacetylene	206	C16H14	002789-88-0	91
3	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	91
4	Phenanthrene, 2,7-dimethyl-	206	C16H14	001576-69-8	91
5	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	76





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Sample : N5101-01 2X
Misc :
ALS Vial : 14 Sample Multiplier: 1

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

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

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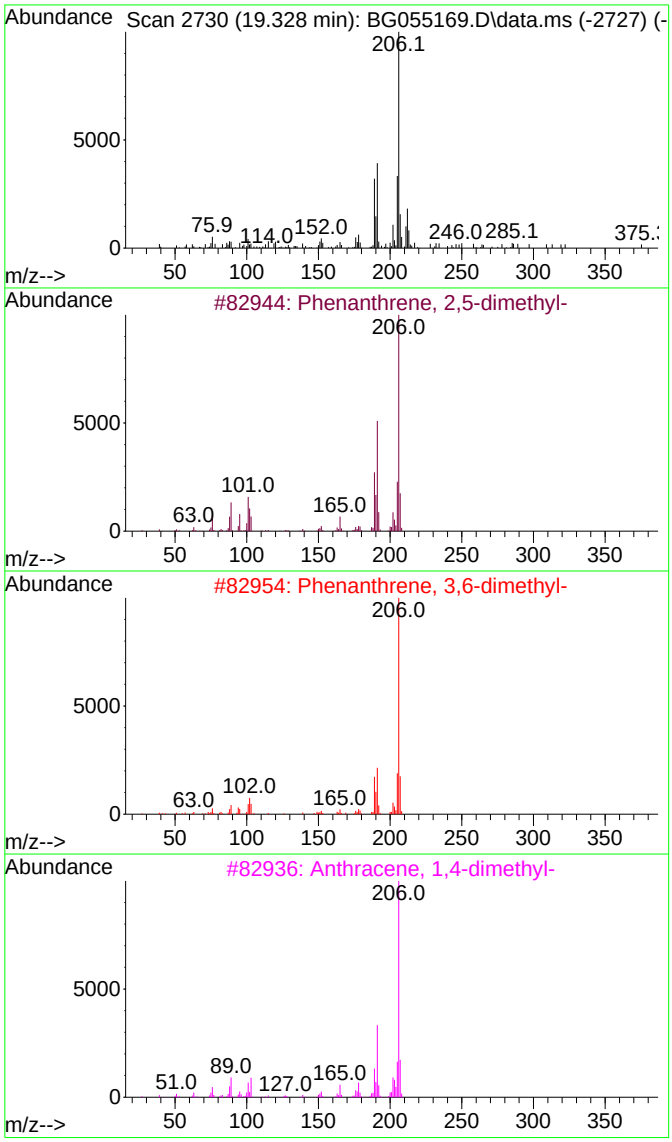
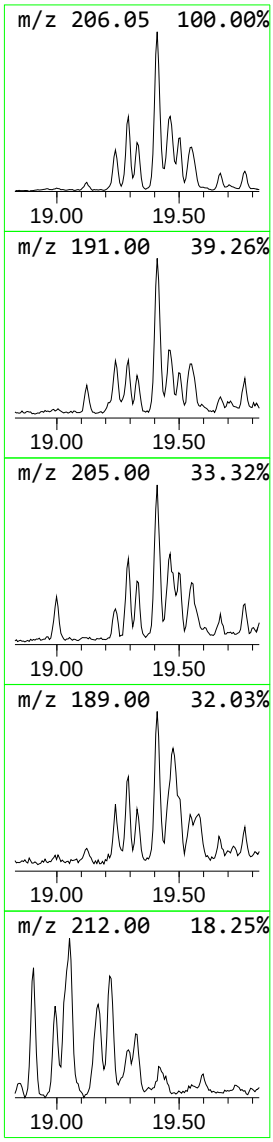
Peak Number 12 Phenanthrene, 2,5-dimethyl- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.328	2.19 ng	66973	Phenanthrene-d10	17.642

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	68
2	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	60
3	Anthracene, 1,4-dimethyl-	206	C16H14	000781-92-0	59
4	Naphthalene, 1,2-dihydro-4-phenyl-	206	C16H14	007469-40-1	59
5	Anthracene, 2-ethyl-	206	C16H14	052251-71-5	52





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Operator : CG/JU
Sample : N5101-01 2X
Misc :
ALS Vial : 14 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

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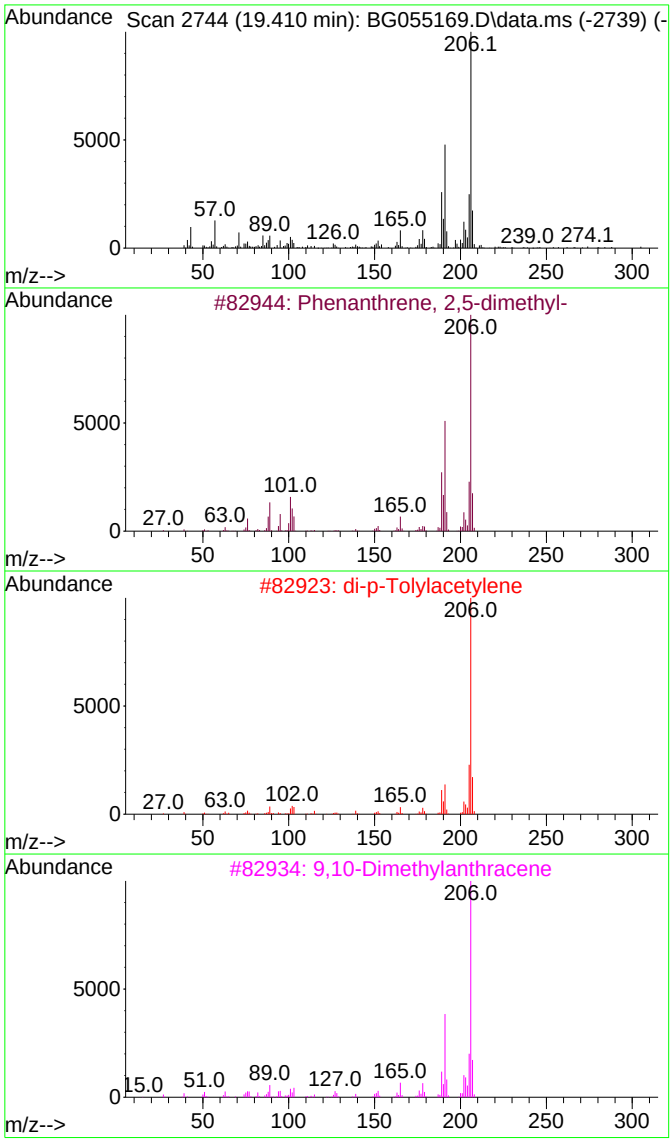
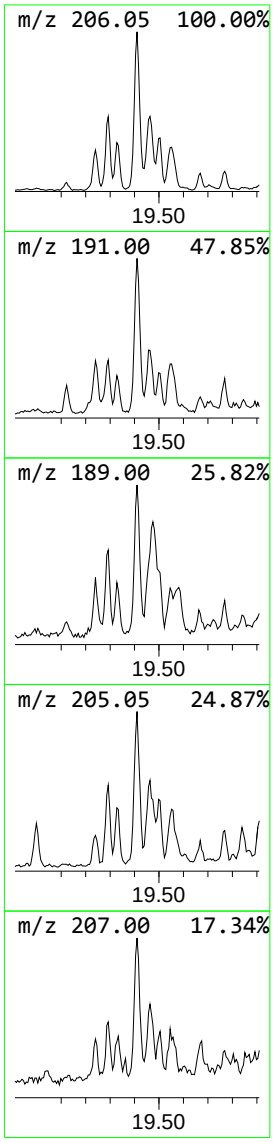
Peak Number 13 di-p-Tolylacetylene Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.410	9.33 ng	285992	Phenanthrene-d10	17.642

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	96
2	di-p-Tolylacetylene	206	C16H14	002789-88-0	93
3	9,10-Dimethylanthracene	206	C16H14	000781-43-1	93
4	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	87
5	Phenanthrene, 2,7-dimethyl-	206	C16H14	001576-69-8	81





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Sample : N5101-01 2X
Misc :
ALS Vial : 14 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

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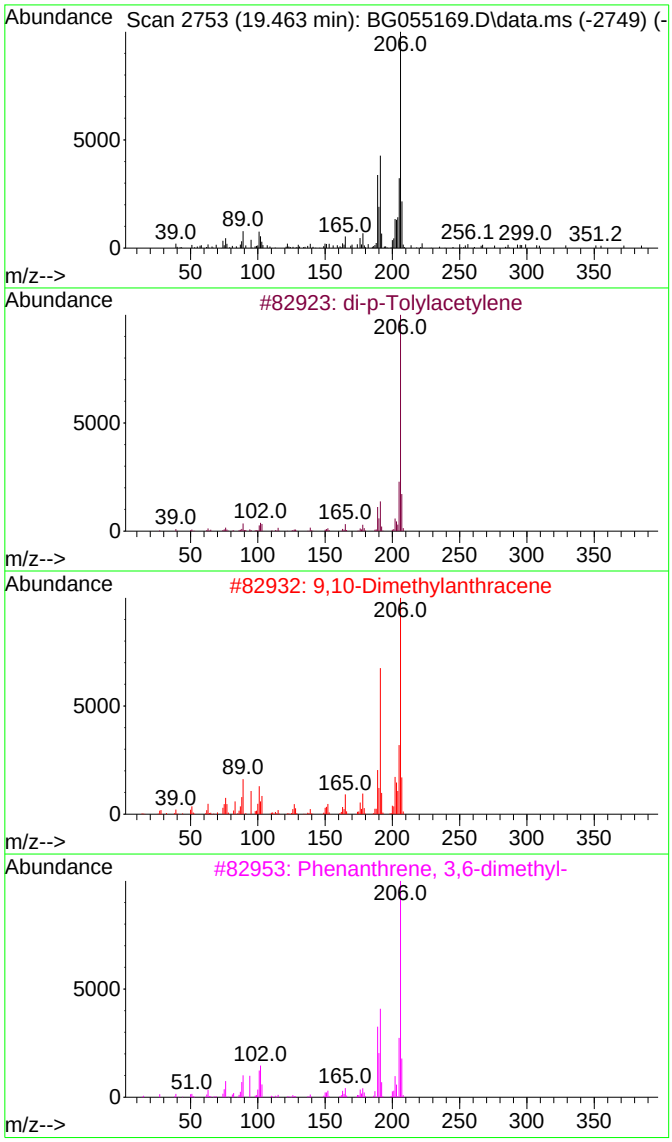
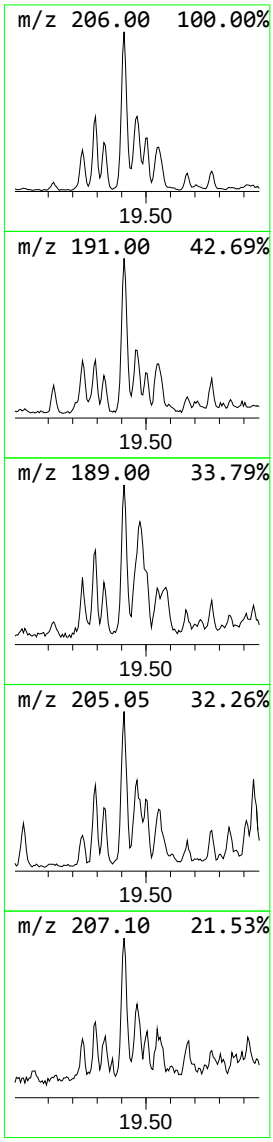
Peak Number 14 9,10-Dimethylanthracene Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.463	3.00 ng	91913	Phenanthrene-d10	17.642

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	di-p-Tolylacetylene	206	C16H14	002789-88-0	94
2	9,10-Dimethylanthracene	206	C16H14	000781-43-1	93
3	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	91
4	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	90
5	Phenanthrene, 2,7-dimethyl-	206	C16H14	001576-69-8	87





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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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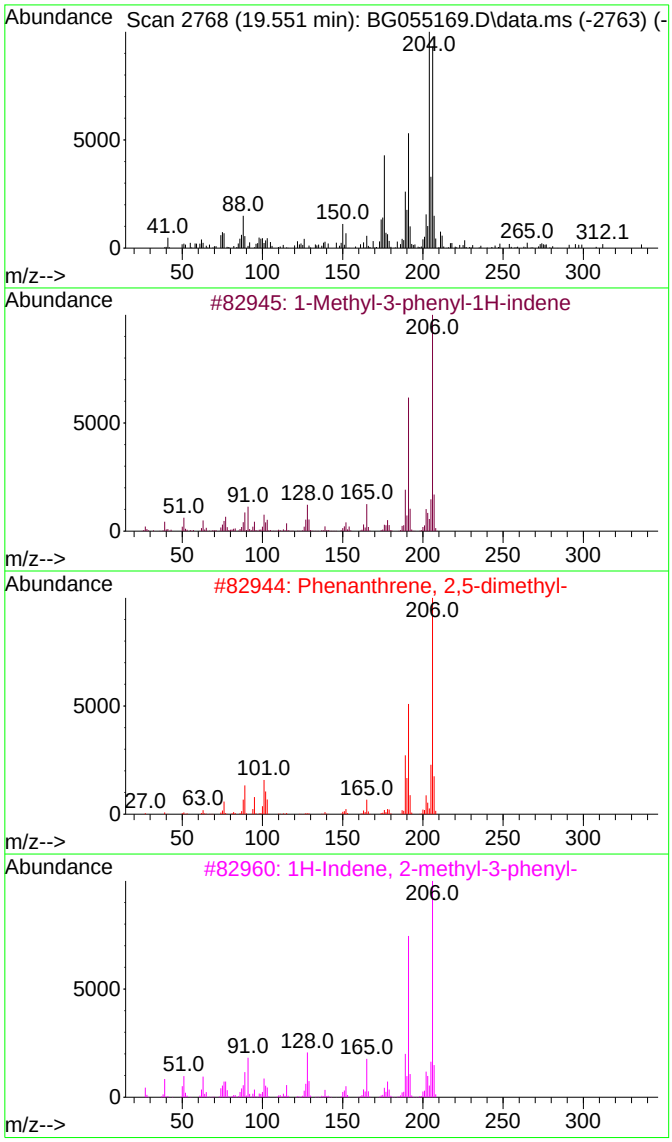
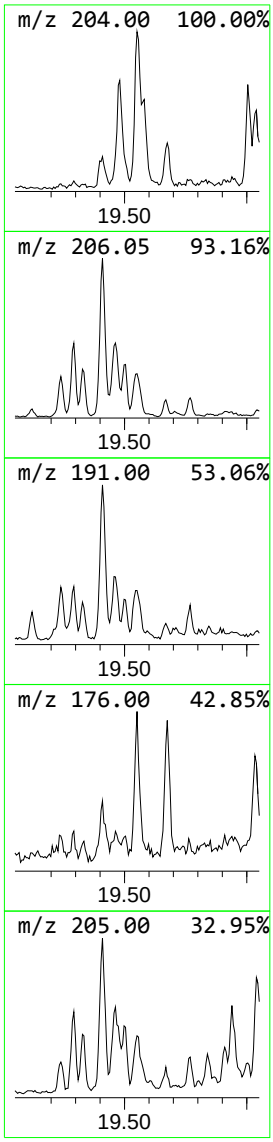
Peak Number 15 1-Methyl-3-phenyl-1H-indene Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.551	4.57 ng	139992	Phenanthrene-d10	17.642

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Methyl-3-phenyl-1H-indene	206	C16H14	022360-62-9	55
2	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	55
3	1H-Indene, 2-methyl-3-phenyl-	206	C16H14	035099-60-6	49
4	di-p-Tolylacetylene	206	C16H14	002789-88-0	49
5	3-Methyl-1-phenyl-1H-indene	206	C16H14	022360-63-0	49





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ALS Vial : 14 Sample Multiplier: 1

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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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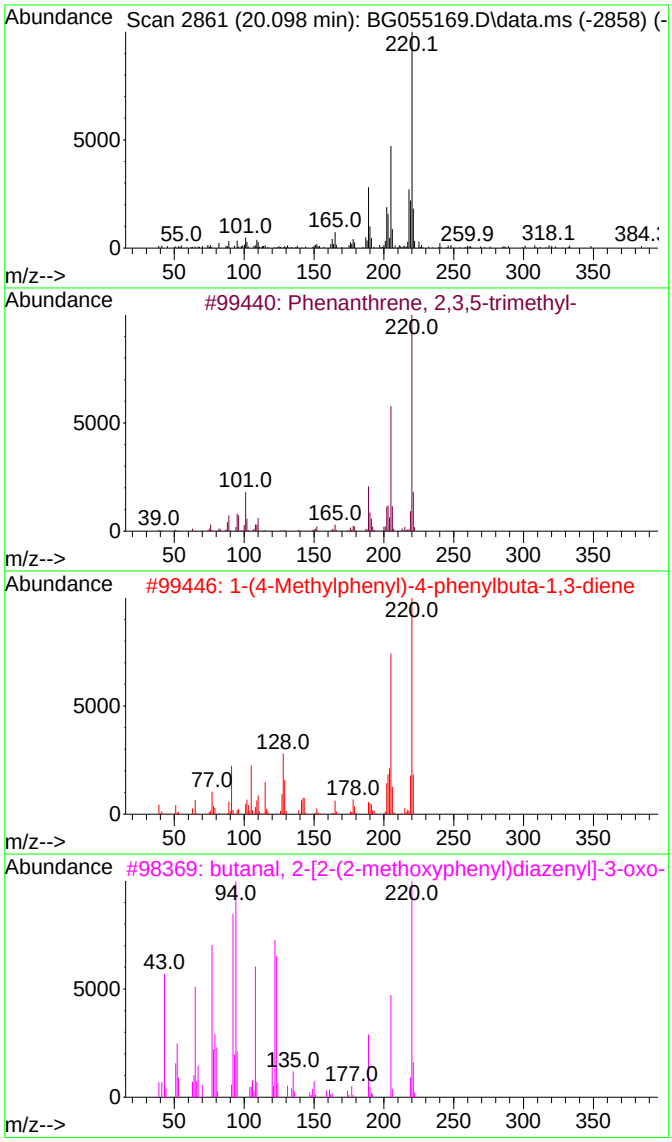
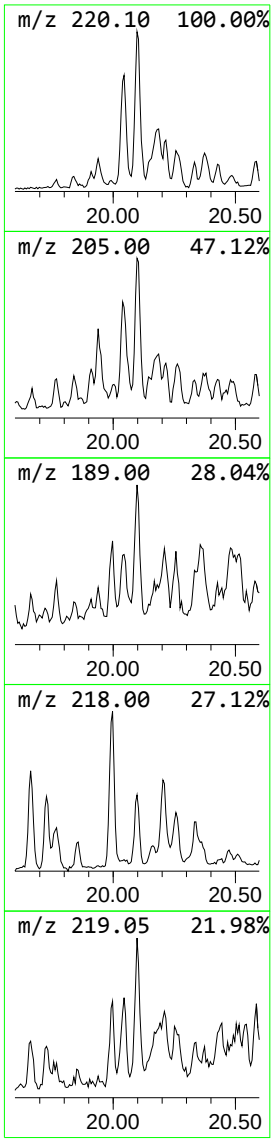
Peak Number 16 Phenanthrene, 2,3,5-trimethyl- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.098	2.23 ng	127954	Chrysene-d12	21.931

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,3,5-trimethyl-	220	C17H16	003674-73-5	89
2	1-(4-Methylphenyl)-4-phenylbuta-...	220	C17H16	037985-11-8	59
3	butanal, 2-[2-(2-methoxyphenyl)d...	220	C11H12N2O3	1000396-24-5	58
4	4-Phenyl-2-naphthol	220	C16H12O	036159-74-7	53
5	10-Methylanthracene-9-carboxalde...	220	C16H12O	007072-00-6	47





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ALS Vial : 14 Sample Multiplier: 1

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TIC Library : C:\Database\NIST20.L
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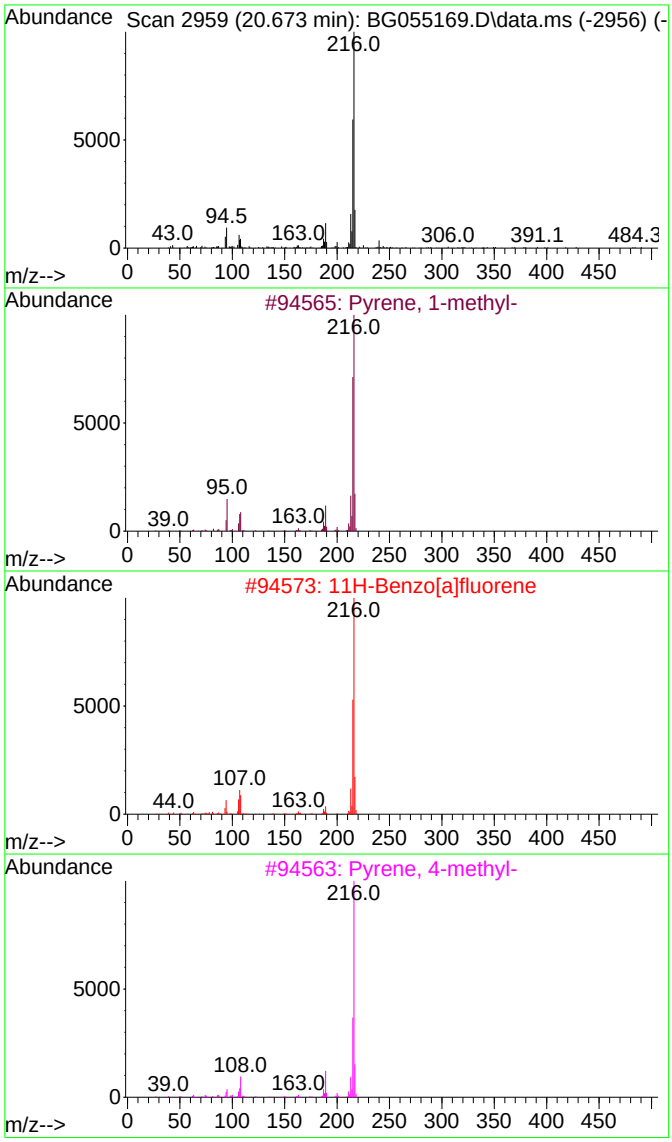
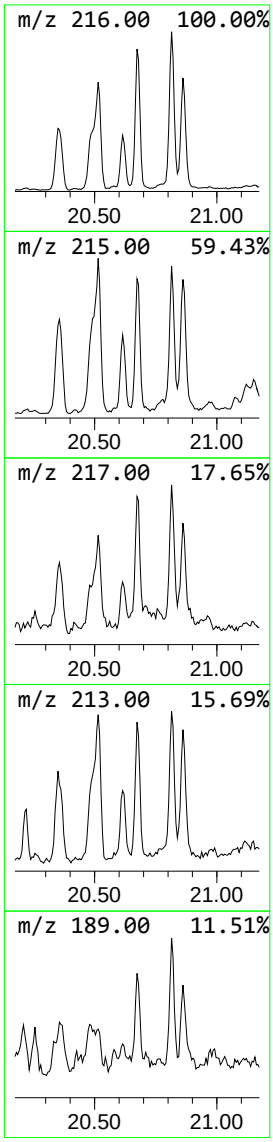
Peak Number 17 Pyrene, 1-methyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.673	2.66 ng	152761	Chrysene-d12	21.931

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	94
2	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	90
3	Pyrene, 4-methyl-	216	C17H12	003353-12-6	89
4	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	81
5	Pyrene, 2-methyl-	216	C17H12	003442-78-2	68





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG101322\
Data File : BG055169.D
Acq On : 13 Oct 2022 18:40
Operator : CG/JU
Sample : N5101-01 2X
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
OK-2-101122

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG101322.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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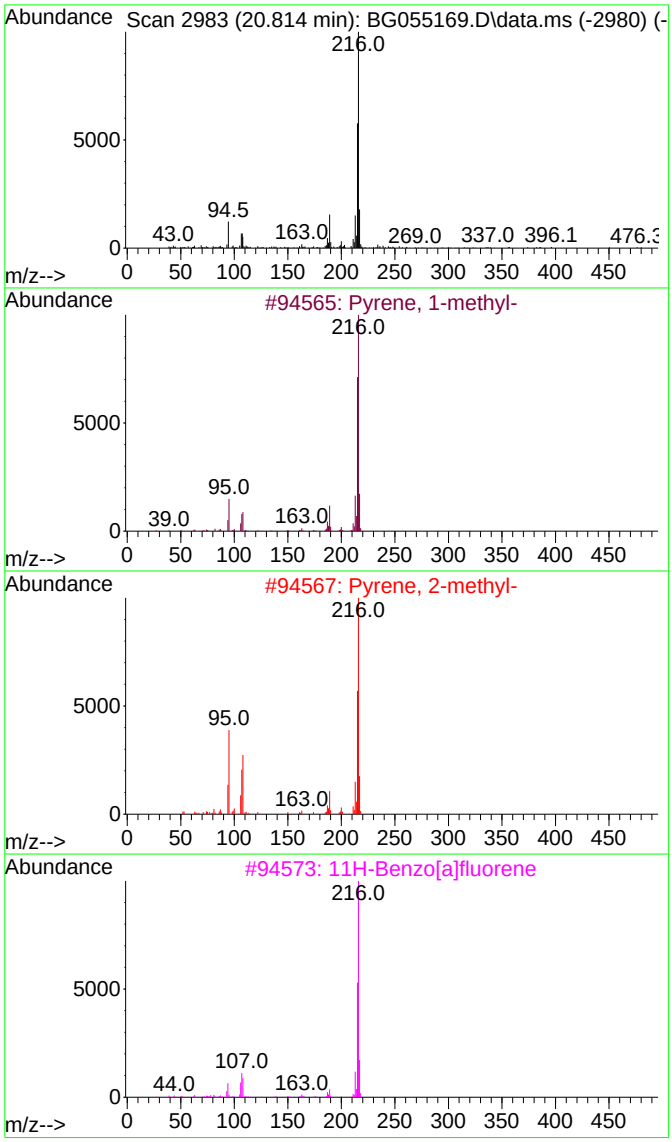
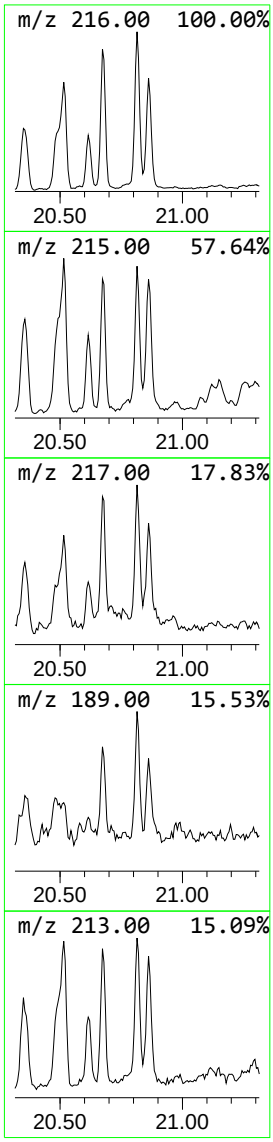
Peak Number 18 Pyrene, 2-methyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.814	3.10 ng	177505	Chrysene-d12	21.931

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	95
2	Pyrene, 2-methyl-	216	C17H12	003442-78-2	90
3	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	90
4	Pyrene, 4-methyl-	216	C17H12	003353-12-6	89
5	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	81





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG101322\
Data File : BG055169.D
Acq On : 13 Oct 2022 18:40
Operator : CG/JU
Sample : N5101-01 2X
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
OK-2-101122

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG101322.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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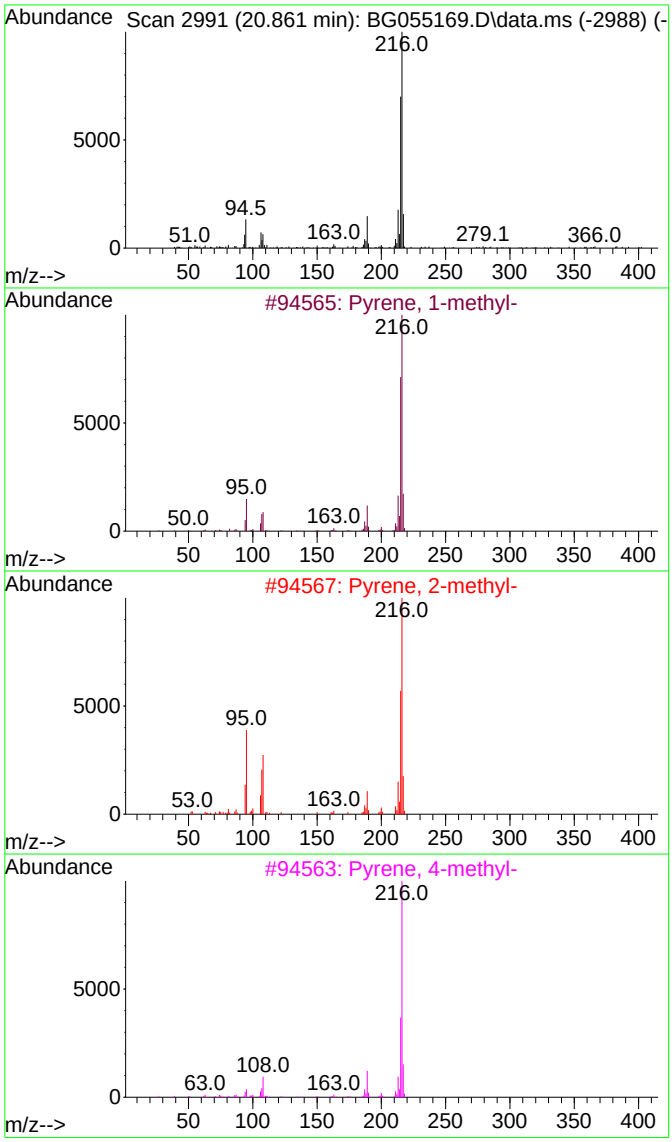
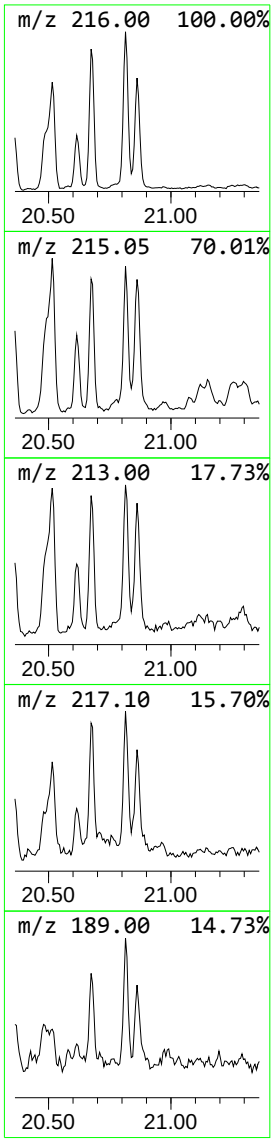
Peak Number 19 Pyrene, 4-methyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.861	4.06 ng	232958	Chrysene-d12	21.931

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	93
2	Pyrene, 2-methyl-	216	C17H12	003442-78-2	93
3	Pyrene, 4-methyl-	216	C17H12	003353-12-6	89
4	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	83
5	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	81





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG101322\
Data File : BG055169.D
Acq On : 13 Oct 2022 18:40
Operator : CG/JU
Sample : N5101-01 2X
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
OK-2-101122

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG101322.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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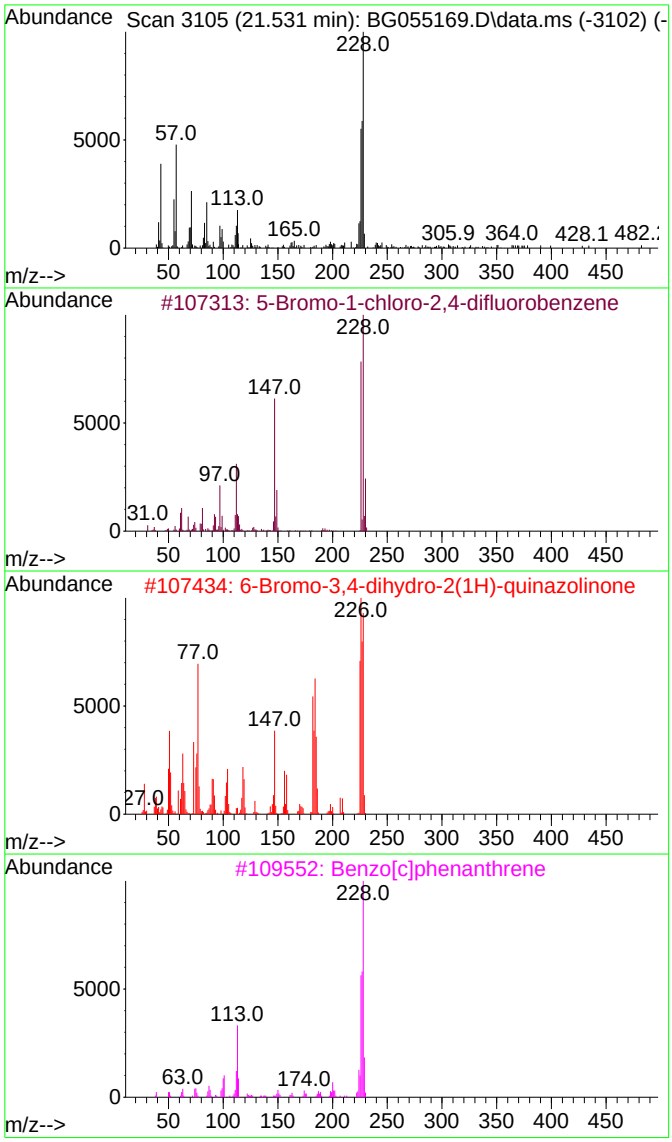
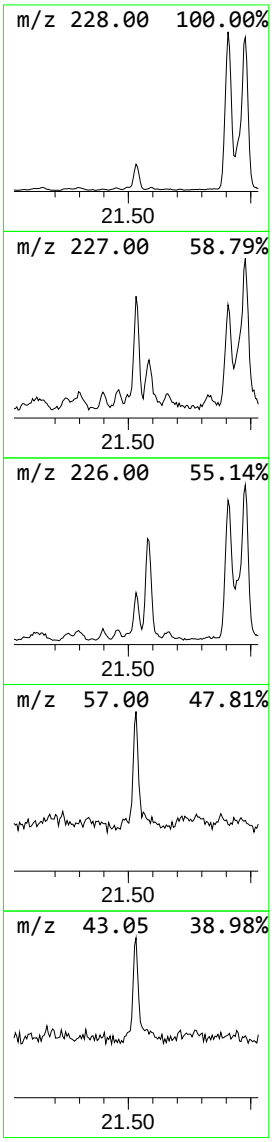
Peak Number 20 unknown21.531 Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.531	2.48 ng	142294	Chrysene-d12	21.931

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	5-Bromo-1-chloro-2,4-difluoroben...	226	C6H2BrClF2	914636-89-8	49
2	6-Bromo-3,4-dihydro-2(1H)-quinaz...	226	C8H7BrN2O	1246765-38-7	47
3	Benzo[c]phenanthrene	228	C18H12	000195-19-7	47
4	Cyclopenta(cd)pyrene, 3,4-dihydro-	228	C18H12	025732-74-5	43
5	Chrysene	228	C18H12	000218-01-9	38





Tentatively Identified Compound (LSC) summary

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG101322\
Data File : BG055169.D
Acq On : 13 Oct 2022 18:40
Operator : CG/JU
Sample : N5101-01 2X
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
OK-2-101122

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG101322.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...	3.329	15.2	ng	222282	1	8.306	292364	20.0
2-Pentanone, 4-...	5.350	6.6	ng	96804	1	8.306	292364	20.0
4-Methylnaphtho...	18.223	2.4	ng	74362	4	17.642	612954	20.0
Anthracene, 1-m...	18.511	7.0	ng	215007	4	17.642	612954	20.0
Phenanthrene, 1...	18.558	6.7	ng	204720	4	17.642	612954	20.0
Benzene, 1,1'-(...	18.699	7.8	ng	240639	4	17.642	612954	20.0
Anthracene, 2-m...	18.740	4.0	ng	121856	4	17.642	612954	20.0
Naphthalene, 2-...	18.999	3.5	ng	108275	4	17.642	612954	20.0
2,7-Dimethyldib...	19.046	3.9	ng	119527	4	17.642	612954	20.0
Phenanthrene, 2...	19.240	3.2	ng	97438	4	17.642	612954	20.0
Phenanthrene, 3...	19.293	3.1	ng	96215	4	17.642	612954	20.0
Phenanthrene, 2...	19.328	2.2	ng	66973	4	17.642	612954	20.0
di-p-Tolylacety...	19.410	9.3	ng	285992	4	17.642	612954	20.0
9,10-Dimethylan...	19.463	3.0	ng	91913	4	17.642	612954	20.0
1-Methyl-3-phen...	19.551	4.6	ng	139992	4	17.642	612954	20.0
Phenanthrene, 2...	20.098	2.2	ng	127954	5	21.931	1146830	20.0
Pyrene, 1-methyl-	20.673	2.7	ng	152761	5	21.931	1146830	20.0
Pyrene, 2-methyl-	20.814	3.1	ng	177505	5	21.931	1146830	20.0
Pyrene, 4-methyl-	20.861	4.1	ng	232958	5	21.931	1146830	20.0
unknown21.531	21.531	2.5	ng	142294	5	21.931	1146830	20.0