LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM102221\
Data File : BM032674.D
Acq On : 22 Oct 2021 14:19
Operator : CG/JU
Sample : M4313-05
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : 4743

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_M\Methods\8270-BM100221.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BM032674.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	5.131	383	390	406	rBV	3135069	4484447	22.36%	2.353%
2	6.749	658	665	684	rBV	3042367	4813703	24.00%	2.526%
3	7.543	793	800	811	rBV	823003	1258896	6.28%	0.661%
4	8.701	987	997	1008	rBV	1937543	3187564	15.89%	1.673%
5	10.113	1229	1237	1250	rBV	394706	612521	3.05%	0.321%
6	10.331	1265	1274	1279	rBV	1142825	1852828	9.24%	0.972%
7	10.378	1279	1282	1295	rVB	276549	436852	2.18%	0.229%
8	12.001	1549	1558	1567	rBV	762802	1224806	6.11%	0.643%
9	12.225	1585	1596	1608	rVB	773548	1260213	6.28%	0.661%
10	12.819	1689	1697	1712	rBV	4375561	6503105	32.42%	3.413%
11	13.025	1726	1732	1740	rBV	569704	870052	4.34%	0.457%
12	13.225	1760	1766	1778	rVB	234621	451462	2.25%	0.237%
13	13.360	1781	1789	1790	rBV	365299	506353	2.52%	0.266%
14	13.519	1806	1816	1821	rBV	594852	1025028	5.11%	0.538%
15	13.572	1821	1825	1837	rVB	356140	555660	2.77%	0.292%
16	13.760	1851	1857	1860	rBV	241898	368472	1.84%	0.193%
17	13.925	1877	1885	1892	rVB2	207265	328483	1.64%	0.172%
18	14.201	1922	1932	1938	rBV2	1586016	2794889	13.93%	1.467%
19	14.272	1938	1944	1951	rVV	5349634	8073226	40.25%	4.237%
20	14.413	1962	1968	1978	rBV	127988	324027	1.62%	0.170%
21	14.513	1978	1985	1990	rBV2	280710	449468	2.24%	0.236%
22	14.601	1994	2000	2008	rVB	3103876	4458701	22.23%	2.340%
23	14.677	2008	2013	2018	rBV	187718	261136	1.30%	0.137%
24	14.824	2031	2038	2043	rBV2	147185	275654	1.37%	0.145%
25	14.877	2043	2047	2051	rVB	153510	208813	1.04%	0.110%
26	14.995	2059	2067	2070	rBV	130516	260866	1.30%	0.137%
27	15.254	2104	2111	2122	rBV	4878179	6961126	34.70%	3.653%
28	15.348	2122	2127	2129	rVV	302732	439879	2.19%	0.231%
29	15.377	2129	2132	2135	rVV	543948	773098	3.85%	0.406%
30	15.413	2135	2138	2143	rVV	794387	1107698	5.52%	0.581%
31	15.466	2143	2147	2149	rVV2	267220	397752	1.98%	0.209%
32	15.501	2149	2153	2156	rVV	426056	638923	3.19%	0.335%
33	15.548	2156	2161	2170	rVB	929561	1381816	6.89%	0.725%
34	15.695	2180	2186	2193	rBV	4232590	6443275	32.12%	3.381%
35	15.783	2198	2201	2209	rVB	192022	288000	1.44%	0.151%
36	15.913	2216	2223	2228	rBV4	275897	649198	3.24%	0.341%

LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM102221\
Data File : BM032674.D
Acq On : 22 Oct 2021 14:19
Operator : CG/JU
Sample : M4313-05
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : 4743

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_M\Methods\8270-BM100221.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

37	16.042	2239	2245	2252	rBV3	229463	404392	2.02%	0.212%
38	16.254	2269	2281	2286	rBV3	635878	1402994	6.99%	0.736%
39	16.301	2286	2289	2295	rVB2	272921	377811	1.88%	0.198%
40	16.401	2301	2306	2311	rVB2	301787	510186	2.54%	0.268%
41	16.483	2317	2320	2323	rVV	221414	313729	1.56%	0.165%
42	16.524	2323	2327	2330	rVB2	266913	359599	1.79%	0.189%
43	16.601	2337	2340	2347	rVB4	148061	282140	1.41%	0.148%
44	16.677	2348	2353	2355	rBV	337084	536038	2.67%	0.281%
45	16.760	2362	2367	2378	rVB	1467913	2261275	11.27%	1.187%
46	16.942	2392	2398	2401	rBV	1770949	2755063	13.74%	1.446%
47	16.995	2401	2407	2412	rVV	11393985	20058625	100.00%	10.526%
48	17.071	2416	2420	2426	rVB	2072600	2684885	13.39%	1.409%
49	17.130	2426	2430	2436	rBV2	222405	391749	1.95%	0.206%
50	17.342	2462	2466	2470	rBV	348122	499051	2.49%	0.262%
51	17.454	2480	2485	2492	rBV	408318	583770	2.91%	0.306%
52	17.518	2492	2496	2498	rBV	171548	213267	1.06%	0.112%
53	17.660	2515	2520	2528	rVB	154021	268207	1.34%	0.141%
54	17.807	2540	2545	2549	rBV	1309865	1863768	9.29%	0.978%
55	17.860	2549	2554	2560	rVB	1746241	2602965	12.98%	1.366%
56	17.936	2561	2567	2573	rBV	676345	1064009	5.30%	0.558%
57	18.007	2573	2579	2583	rVV2	3396503	5434650	27.09%	2.852%
58	18.036	2583	2584	2592	rVB	691930	739751	3.69%	0.388%
59	18.312	2626	2631	2635	rBV	1085755	1453562	7.25%	0.763%
60	18.560	2669	2673	2677	rVB	299485	364133	1.82%	0.191%
61	18.612	2678	2682	2685	rVV	250796	325389	1.62%	0.171%
62	18.648	2685	2688	2692	rVB	225832	291359	1.45%	0.153%
63	18.736	2697	2703	2707	rBV	400425	731098	3.64%	0.384%
64	18.801	2710	2714	2717	rVB2	214469	289169	1.44%	0.152%
65	18.871	2722	2726	2729	rBV	207359	317693	1.58%	0.167%
66	19.007	2742	2749	2754	rBV	10772031	17790000	88.69%	9.336%
67	19.060	2755	2758	2761	rVV	176783	219965	1.10%	0.115%
68	19.095	2761	2764	2768	rVV2	190315	245135	1.22%	0.129%
69	19.242	2785	2789	2793	rVV	540426	682629	3.40%	0.358%
70	19.365	2800	2810	2818	rBV3	8594937	17762235	88.55%	9.321%
71	19.436	2818	2822	2828	rVB2	506360	806464	4.02%	0.423%
72	19.565	2835	2844	2848	rBV2	5793816	8124215	40.50%	4.263%
73	19.601	2848	2850	2855	rVB	175961	201533	1.00%	0.106%
74	19.683	2859	2864	2871	rBV3	578753	1393408	6.95%	0.731%
75	19.824	2884	2888	2889	rBV2	308255	399917	1.99%	0.210%
76	19.859	2890	2894	2899	rVB	1790319	2341092	11.67%	1.229%

LSC Area Percent Report

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Operator : CG/JU
Sample : M4313-05
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : 4743

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
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Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

77	19.959	2906	2911	2915	rBV	1939890	2519113	12.56%	1.322%
78	20.012	2915	2920	2924	rVV2	663257	1147336	5.72%	0.602%
79	20.054	2924	2927	2931	rVV	420381	558738	2.79%	0.293%
80	20.095	2932	2934	2939	rVB	206845	256322	1.28%	0.135%
81	20.154	2941	2944	2947	rBV	291263	361564	1.80%	0.190%
82	20.201	2948	2952	2955	rVB2	320841	425464	2.12%	0.223%
83	20.483	2997	3000	3003	rVB2	192449	241722	1.21%	0.127%
84	20.559	3010	3013	3018	rBV3	186380	322844	1.61%	0.169%
85	20.765	3045	3048	3052	rBV	434102	556513	2.77%	0.292%
86	20.806	3052	3055	3057	rBV	531800	636268	3.17%	0.334%
87	21.106	3101	3106	3111	rBV2	3242121	6314968	31.48%	3.314%
88	21.153	3111	3114	3124	rVB	2271185	3073039	15.32%	1.613%
89	21.271	3130	3134	3141	rBV	870159	1142757	5.70%	0.600%
90	21.424	3157	3160	3165	rVB2	264312	352621	1.76%	0.185%
91	21.648	3193	3198	3202	rBV2	390741	717992	3.58%	0.377%
92	22.624	3359	3364	3368	rBV	1098729	2232440	11.13%	1.171%
93	23.071	3436	3440	3449	rVB	601572	1062514	5.30%	0.558%
94	23.159	3450	3455	3460	rBV	1089587	1843763	9.19%	0.968%
95	23.253	3467	3471	3476	rVB2	956228	1522003	7.59%	0.799%

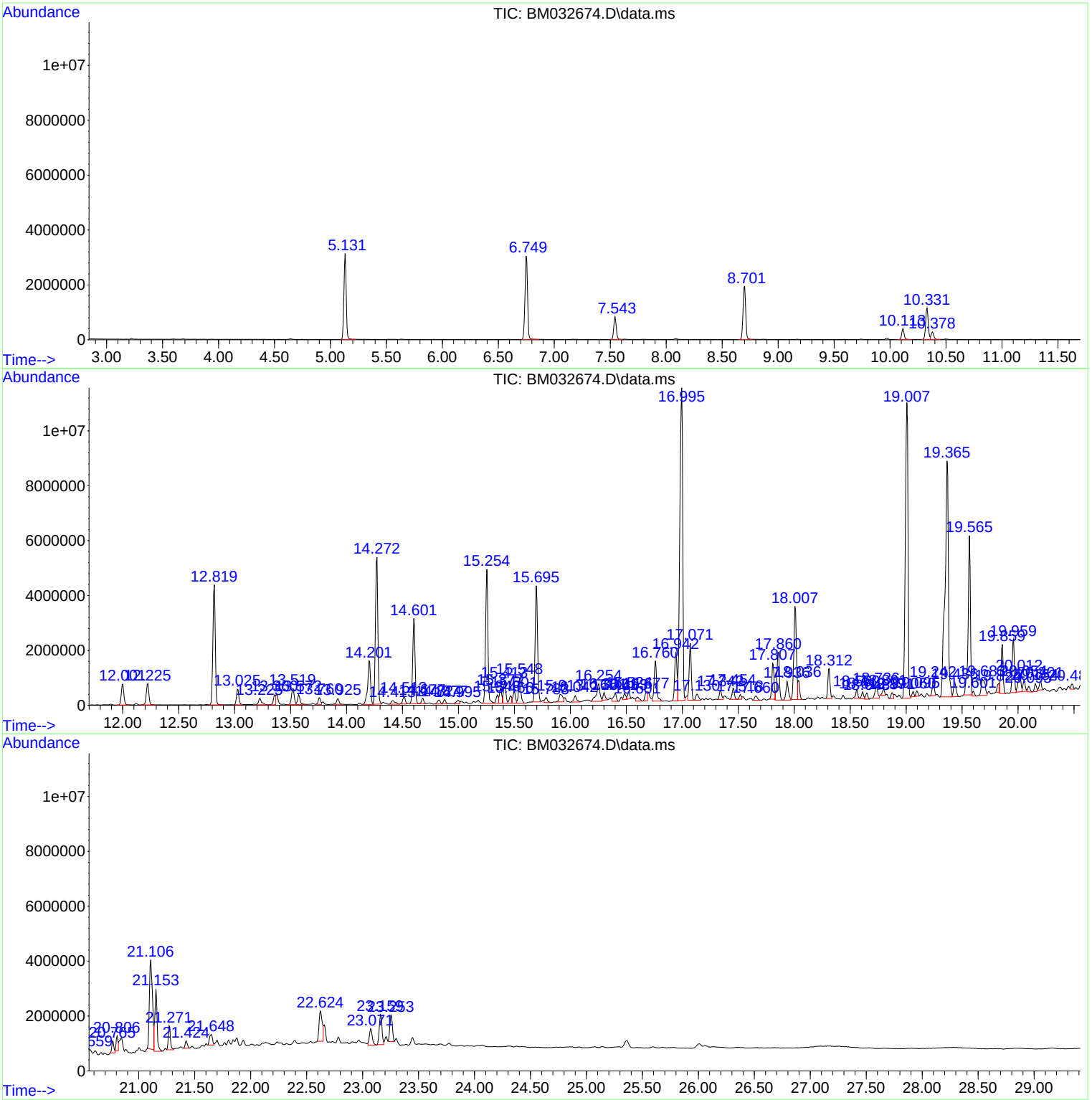
Sum of corrected areas: 190562891

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM102221\
Data File : BM032674.D
Acq On : 22 Oct 2021 14:19
Operator : CG/JU
Sample : M4313-05
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
4743

Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM100221.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_M\Data\BM102221\
Data File : BM032674.D
Acq On : 22 Oct 2021 14:19
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Sample : M4313-05
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ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_M
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Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM100221.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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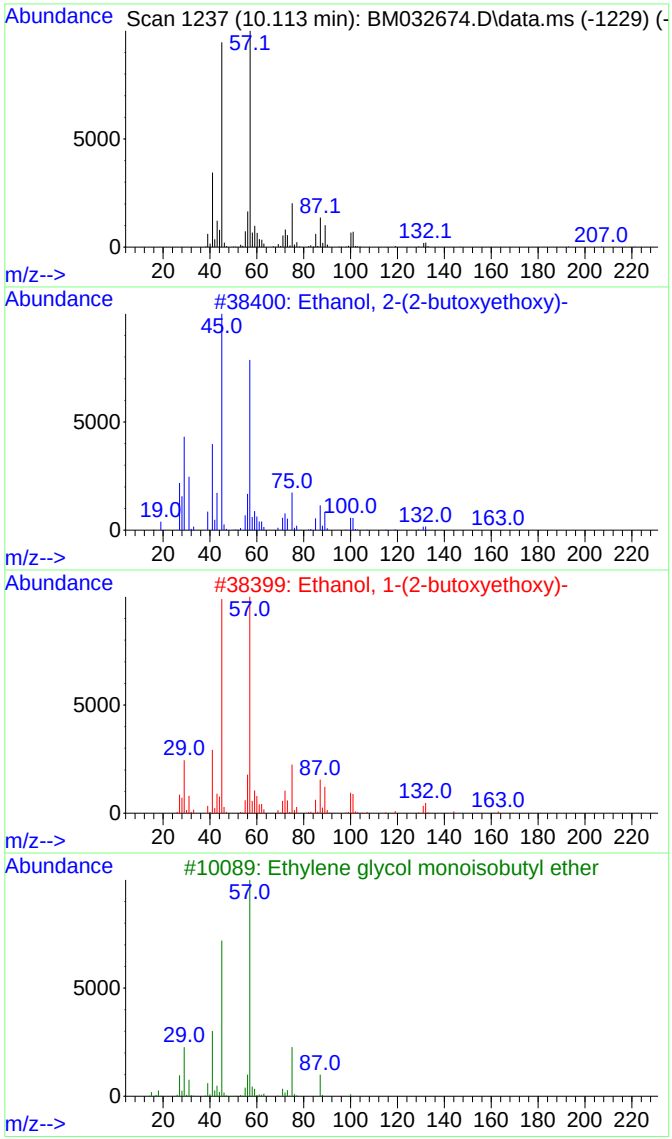
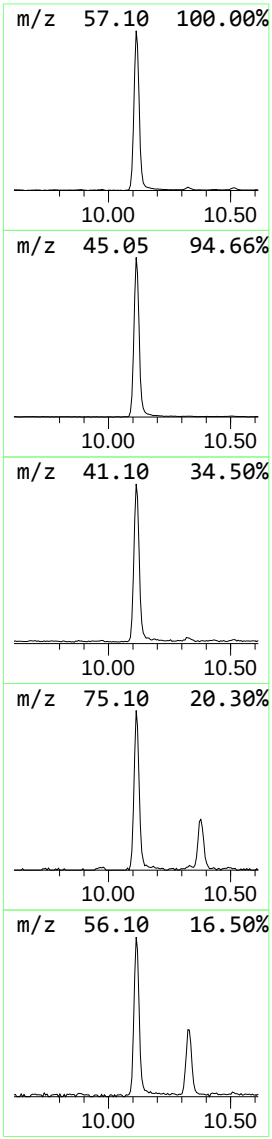
Peak Number 1 Ethanol, 2-(2-butoxyethoxy)- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.113	6.61 ng	612521	Naphthalene-d8	10.331

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Ethanol, 2-(2-butoxyethoxy)-	162	C8H18O3	000112-34-5	90
2	Ethanol, 1-(2-butoxyethoxy)-	162	C8H18O3	054446-78-5	90
3	Ethylene glycol monoisobutyl ether	118	C6H14O2	004439-24-1	64
4	Ethanol, 2-[2-(2-methylpropoxy)e...	162	C8H18O3	018912-80-6	56
5	Di-sec-Butyl ether	130	C8H18O	006863-58-7	50





Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM102221\
Data File : BM032674.D
Acq On : 22 Oct 2021 14:19
Operator : CG/JU
Sample : M4313-05
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : 4743

Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM100221.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

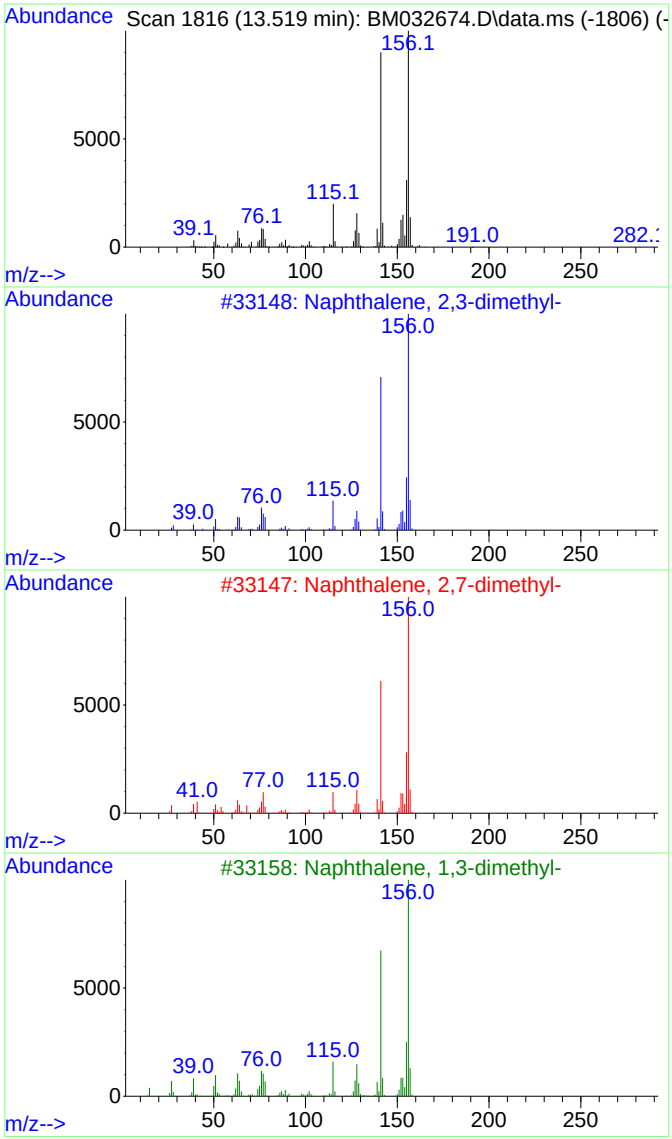
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

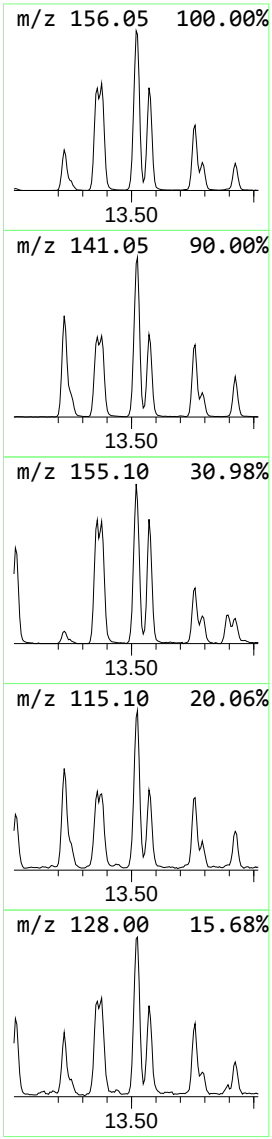
****

Peak Number 2 Naphthalene, 2,3-dimethyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.519	7.34 ng	1025030	Acenaphthene-d10	14.201

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	97
2	Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	97
3	Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	97
4	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	97
5	Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	97





Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM102221\
Data File : BM032674.D
Acq On : 22 Oct 2021 14:19
Operator : CG/JU
Sample : M4313-05
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : 4743

Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM100221.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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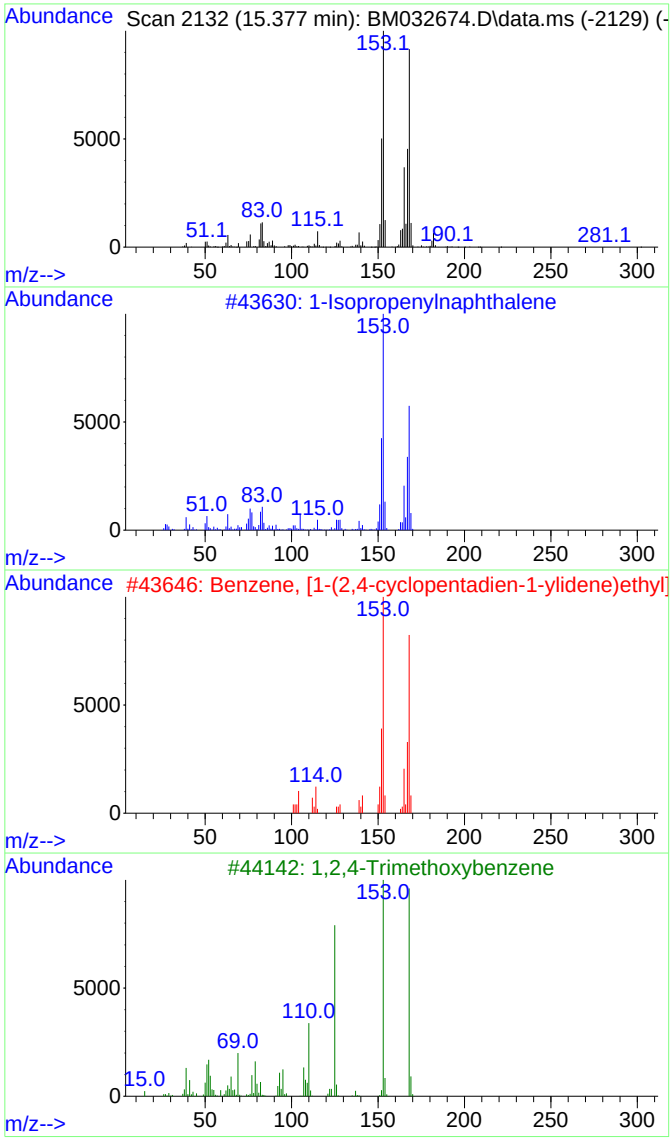
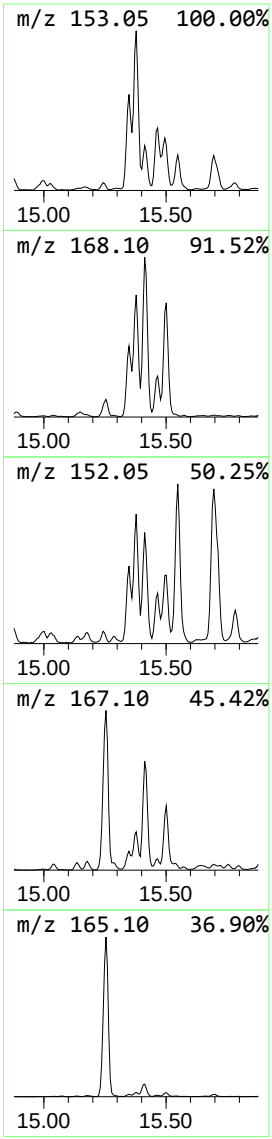
Peak Number 3 1-Isopropenylnaphthalene Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.377	5.53 ng	773098	Acenaphthene-d10	14.201

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Isopropenylnaphthalene	168	C13H12	001855-47-6	93
2	Benzene, [1-(2,4-cyclopentadien-...	168	C13H12	002320-32-3	80
3	1,2,4-Trimethoxybenzene	168	C9H12O3	000135-77-3	47
4	4-Methylthio-2,6-xylenol	168	C9H12OS	007379-49-9	47
5	1-Methoxy-2-methyl-4-(methylthio...	168	C9H12OS	050390-78-8	47





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Acq On : 22 Oct 2021 14:19
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Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : 4743

Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM100221.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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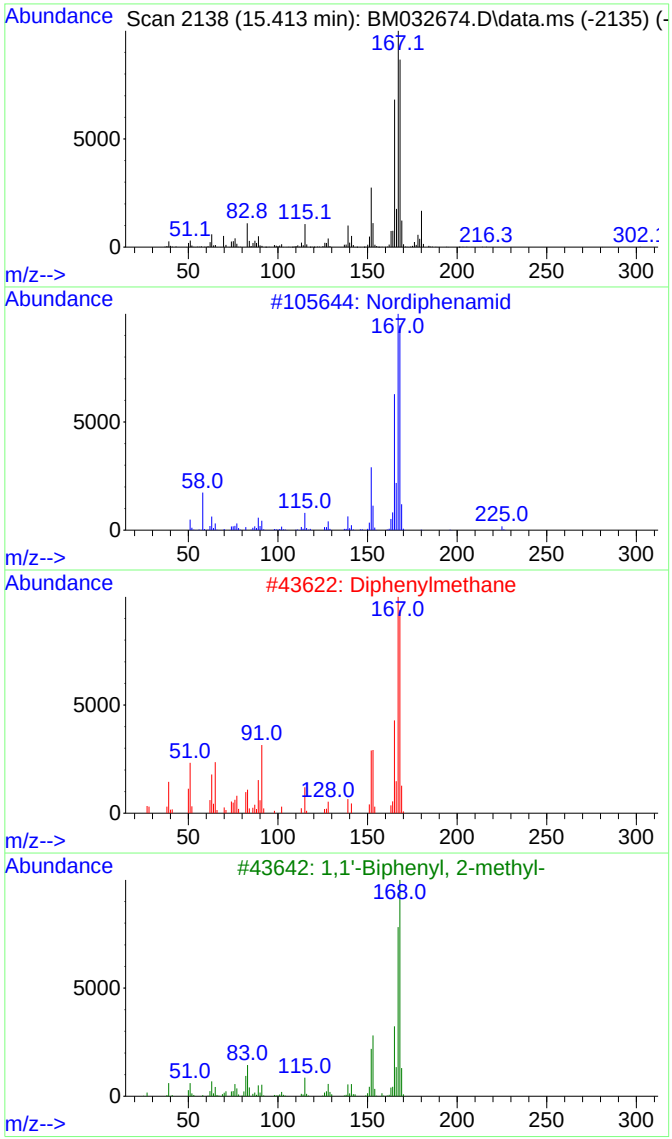
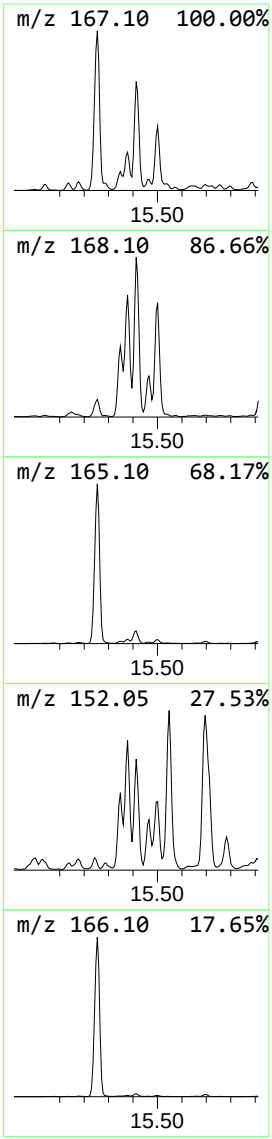
Peak Number 4 Nordiphenamid Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.413	7.93 ng	1107700	Acenaphthene-d10	14.201

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Nordiphenamid	225	C15H15NO	000954-21-2	91
2	Diphenylmethane	168	C13H12	000101-81-5	76
3	1,1'-Biphenyl, 2-methyl-	168	C13H12	000643-58-3	68
4	Fluorene, 1,4-dihydro-	168	C13H12	041593-21-9	62
5	1,1'-Biphenyl, 3-methyl-	168	C13H12	000643-93-6	55





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Data File : BM032674.D
Acq On : 22 Oct 2021 14:19
Operator : CG/JU
Sample : M4313-05
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : 4743

Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM100221.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

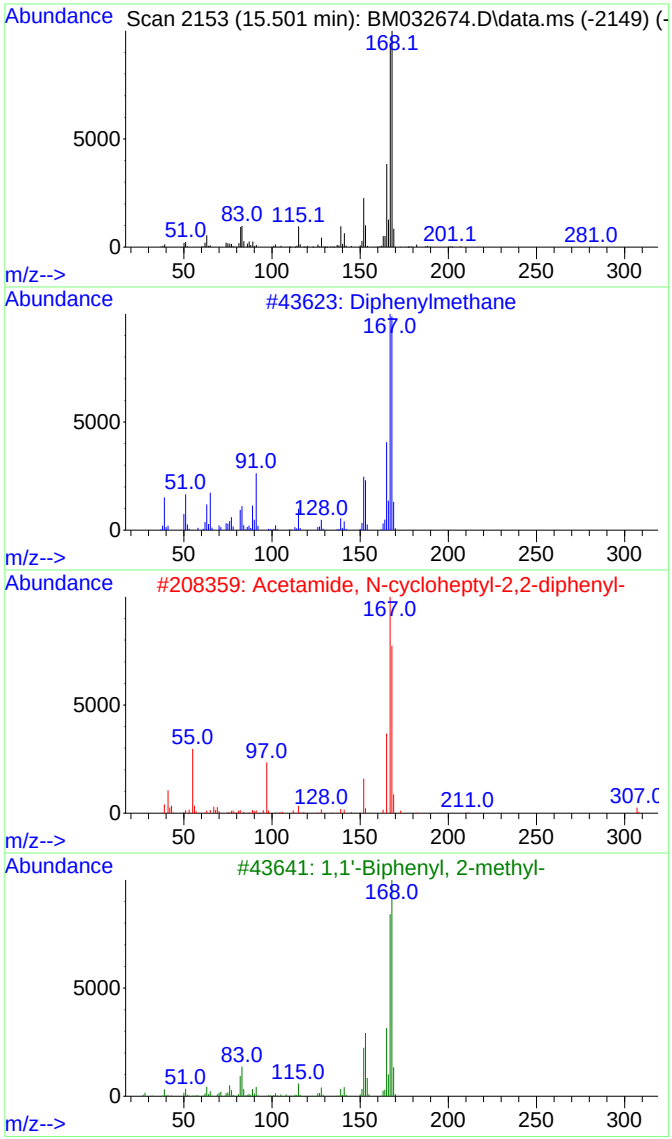
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

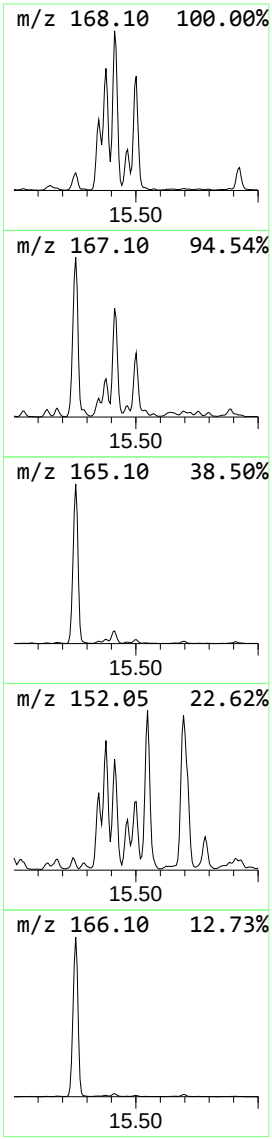
****

Peak Number 5 Diphenylmethane Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.501	4.57 ng	638923	Acenaphthene-d10	14.201

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Diphenylmethane	168	C13H12	000101-81-5	89
2	Acetamide, N-cycloheptyl-2,2-dip...	307	C21H25NO	351062-01-6	72
3	1,1'-Biphenyl, 2-methyl-	168	C13H12	000643-58-3	64
4	Ethyl [(diphenylacetyl)amino]ace...	297	C18H19NO3	006325-31-1	64
5	1,1'-Biphenyl, 4-methyl-	168	C13H12	000644-08-6	64





Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM102221\
Data File : BM032674.D
Acq On : 22 Oct 2021 14:19
Operator : CG/JU
Sample : M4313-05
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : 4743

Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM100221.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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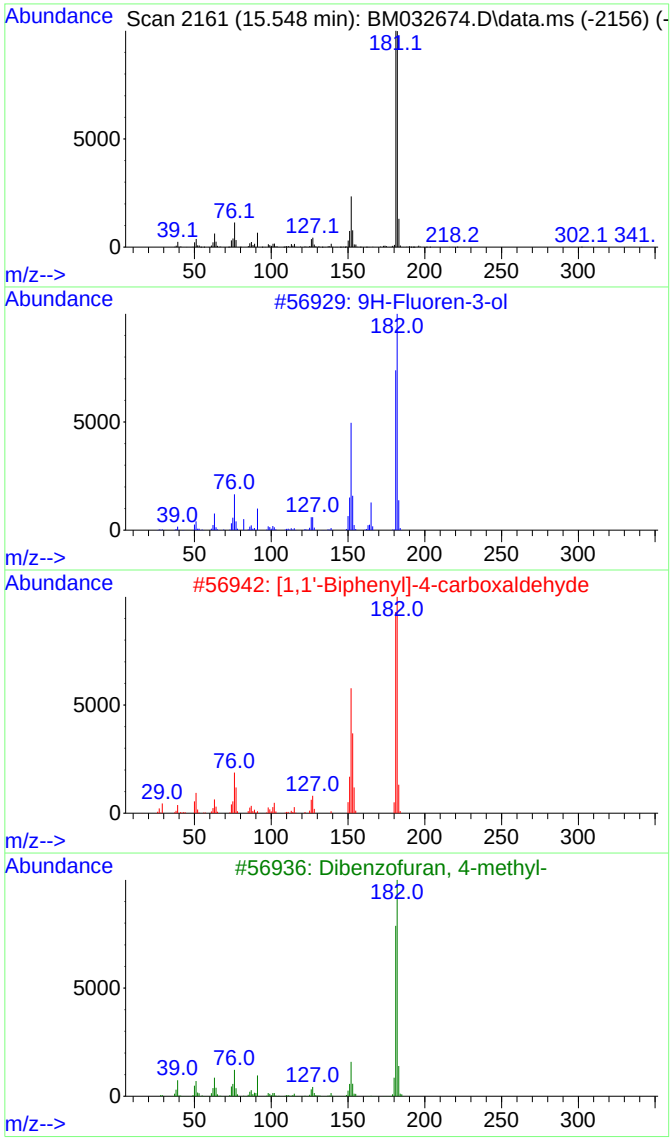
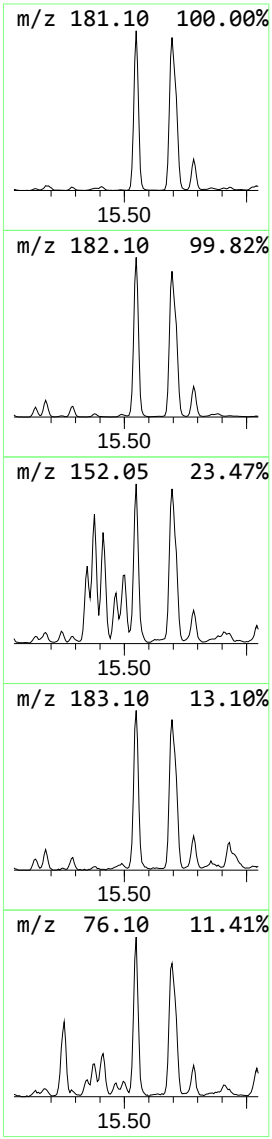
Peak Number 6 9H-Fluoren-3-ol Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.548	9.89 ng	1381820	Acenaphthene-d10	14.201

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluoren-3-ol	182	C13H10O	006344-67-8	91
2	[1,1'-Biphenyl]-4-carboxaldehyde	182	C13H10O	003218-36-8	90
3	Dibenzofuran, 4-methyl-	182	C13H10O	007320-53-8	86
4	9H-Fluoren-9-ol	182	C13H10O	001689-64-1	78
5	2,4,6-Cycloheptatrien-1-one, 2-p...	182	C13H10O	014562-09-5	78





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Operator : CG/JU
Sample : M4313-05
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : 4743

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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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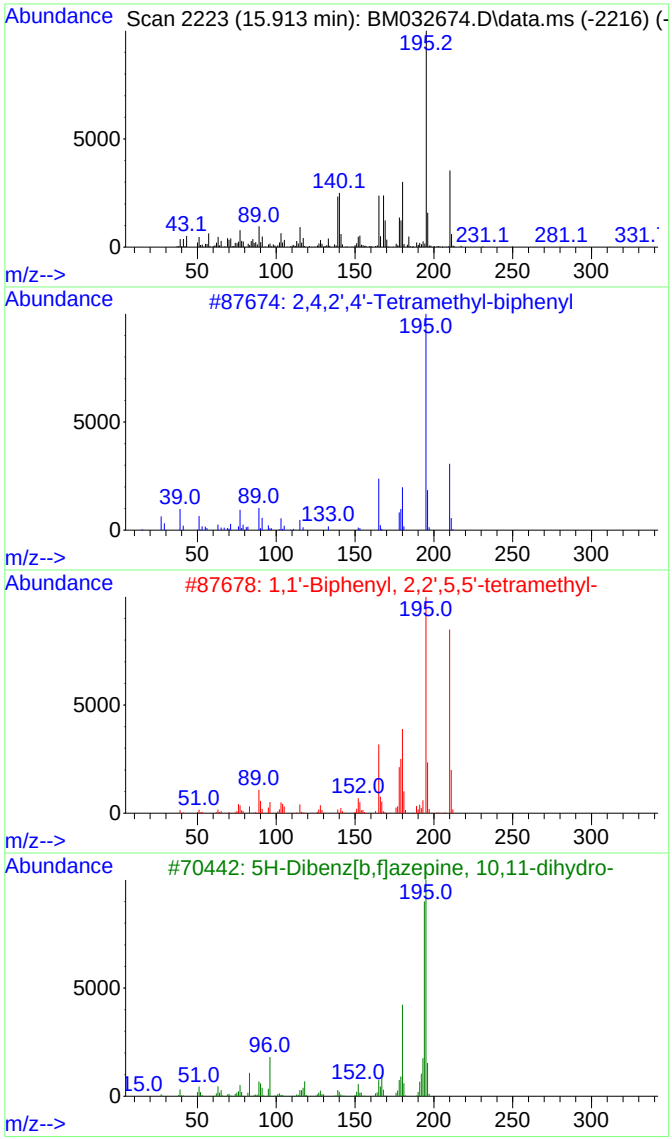
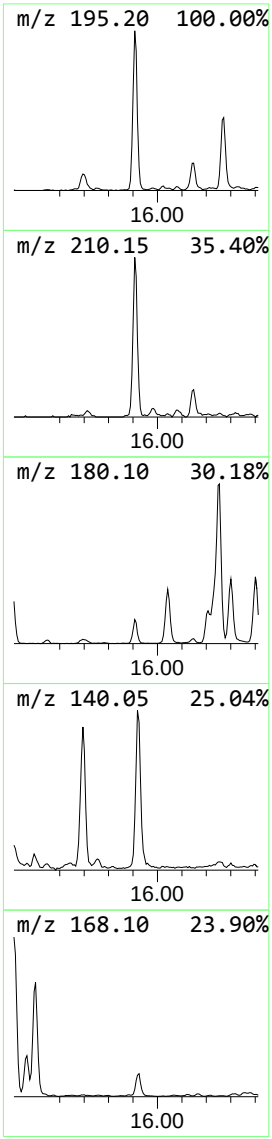
Peak Number 7 2,4,2',4'-Tetramethyl-biphenyl Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.913	4.71 ng	649198	Phenanthrene-d10	16.942

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2,4,2',4'-Tetramethyl-biphenyl	210	C16H18	1000486-97-7	64
2	1,1'-Biphenyl, 2,2',5,5'-tetrame...	210	C16H18	003075-84-1	52
3	5H-Dibenz[b,f]azepine, 10,11-dih...	195	C14H13N	000494-19-9	46
4	8-Methyl-4-azafluorenone	195	C13H9NO	064292-03-1	43
5	Anthracene, 9-butyl-1,2,3,4-tetr...	238	C18H22	1010151-39-2	43





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Instrument : BNA_M
ClientSampleId : 4743

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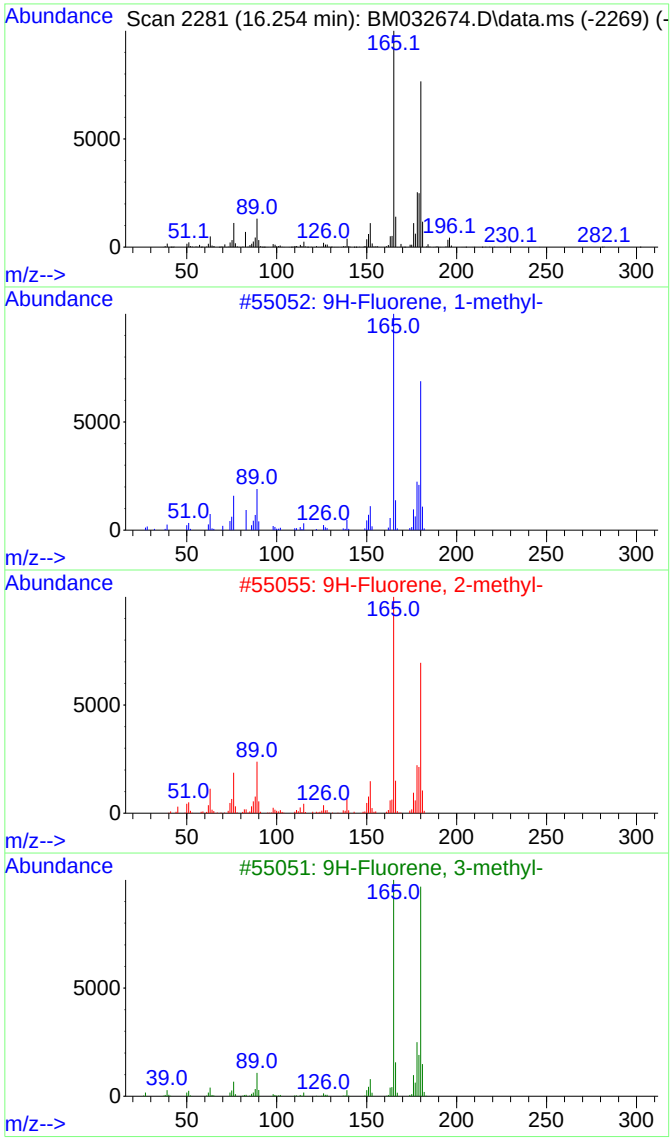
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

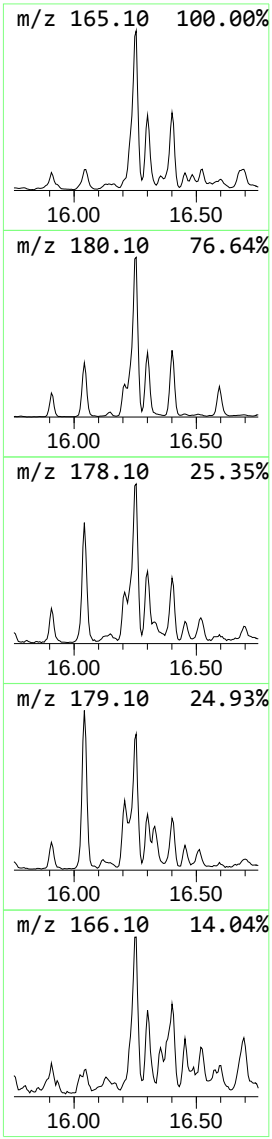
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 8 9H-Fluorene, 1-methyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.254	10.18 ng	1402990	Phenanthrene-d10	16.942

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	97
2	9H-Fluorene, 2-methyl-	180	C14H12	001430-97-3	96
3	9H-Fluorene, 3-methyl-	180	C14H12	002523-39-9	95
4	9H-Fluorene, 9-methyl-	180	C14H12	002523-37-7	94
5	4a,9a-Methano-9H-fluorene	180	C14H12	019540-84-2	70





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Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : 4743

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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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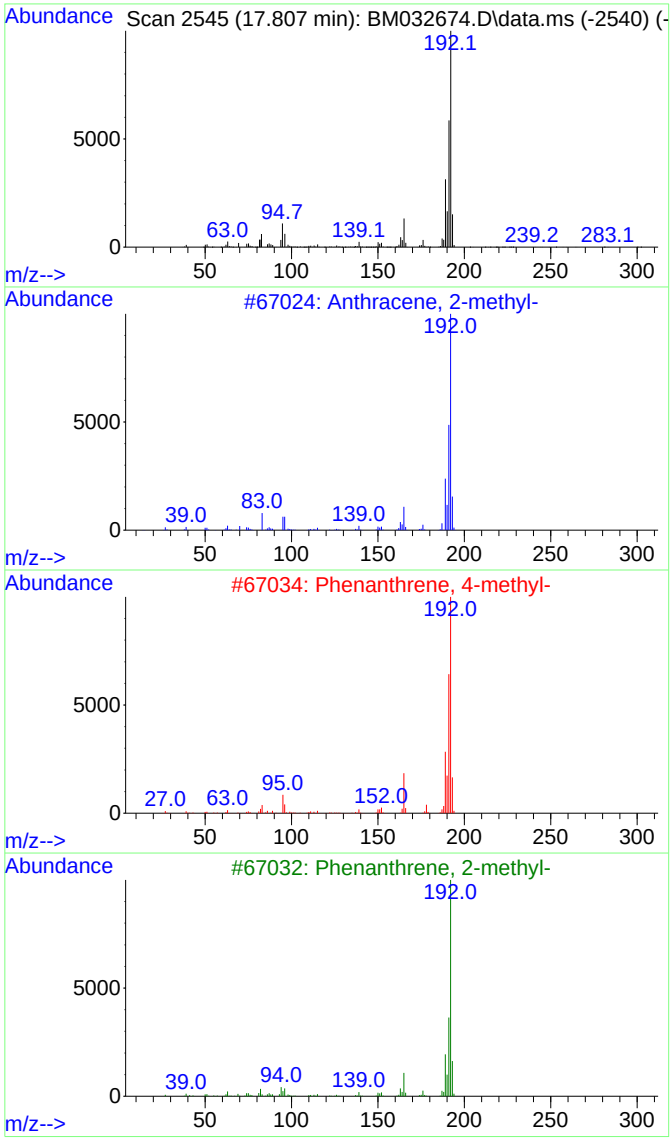
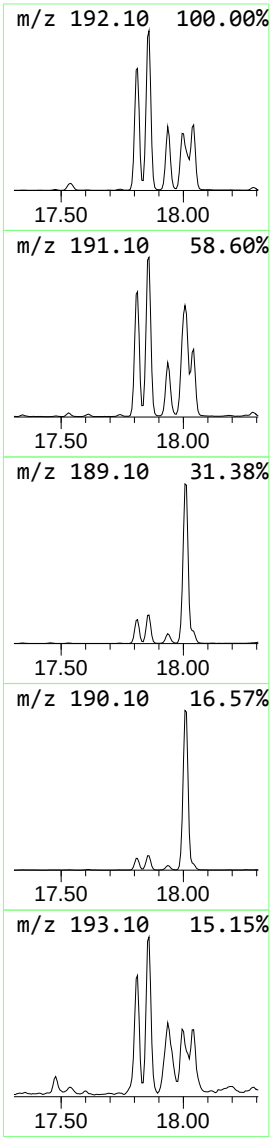
Peak Number 10 Phenanthrene, 4-methyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.807	13.53 ng	1863770	Phenanthrene-d10	16.942

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
2	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	96
3	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
4	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	95
5	Anthracene, 1-methyl-	192	C15H12	000610-48-0	93





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Instrument : BNA_M
ClientSampleId : 4743

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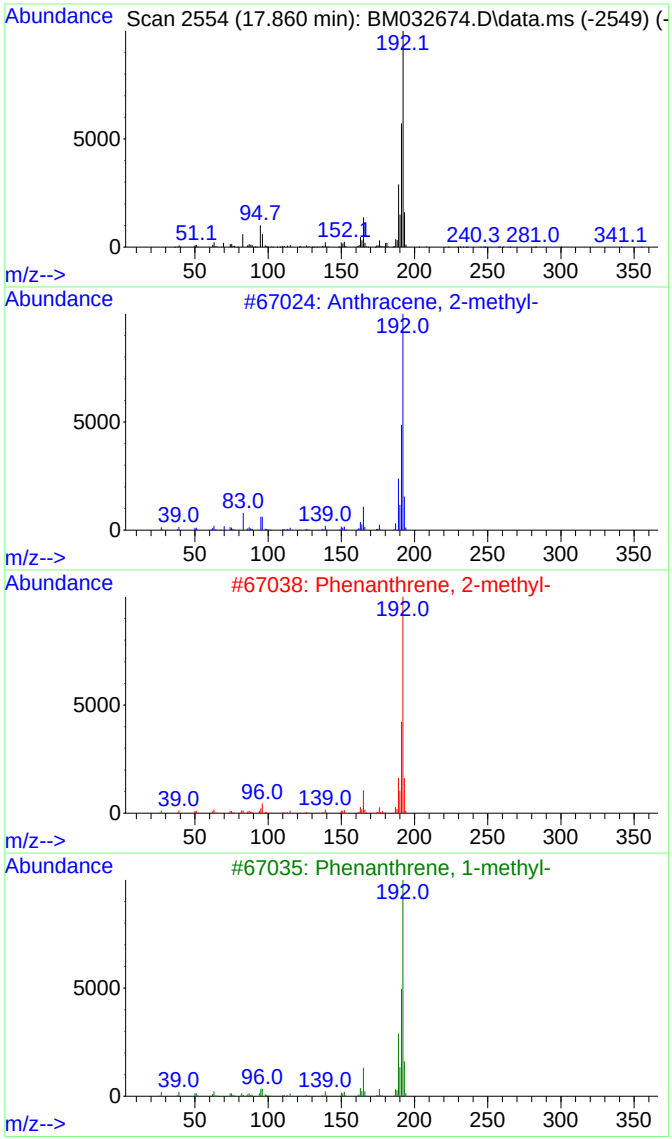
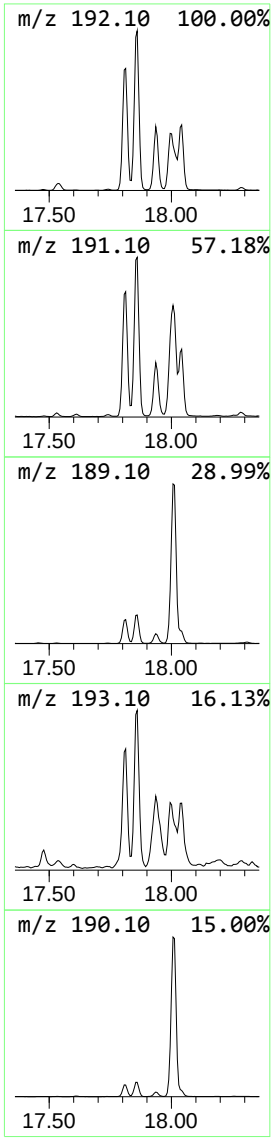
Peak Number 11 Anthracene, 2-methyl- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.860	18.90 ng	2602970	Phenanthrene-d10	16.942

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 2-methyl-	192	C15H12	000613-12-7	97
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	97
3	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	97
4	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	96
5	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	96





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Operator : CG/JU
Sample : M4313-05
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : 4743

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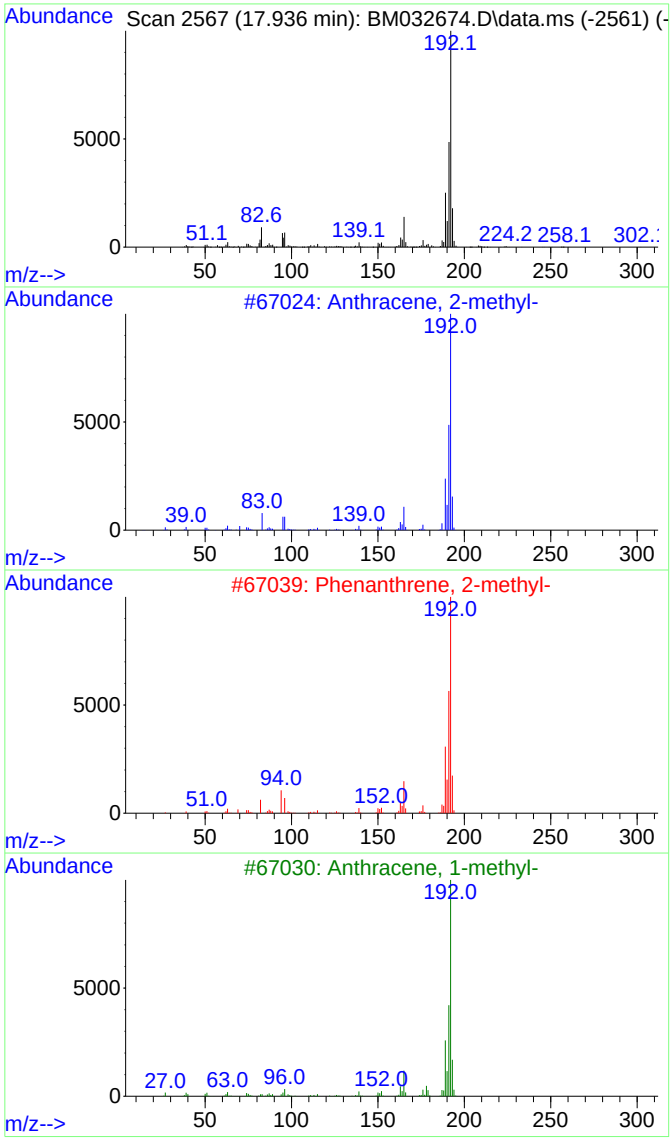
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

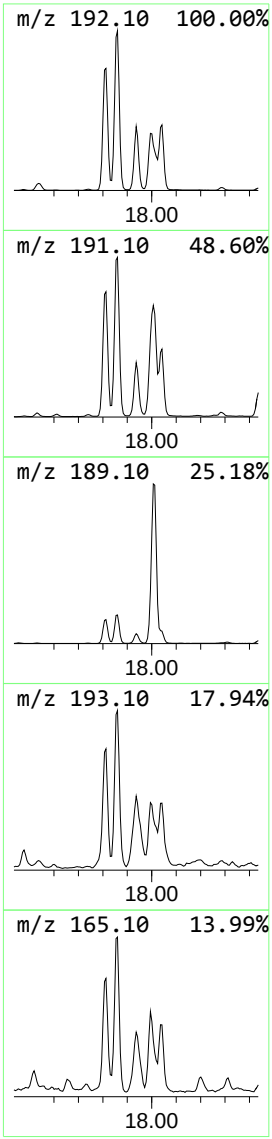
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 12 Phenanthrene, 2-methyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.936	7.72 ng	1064010	Phenanthrene-d10	16.942

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





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Operator : CG/JU
Sample : M4313-05
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : 4743

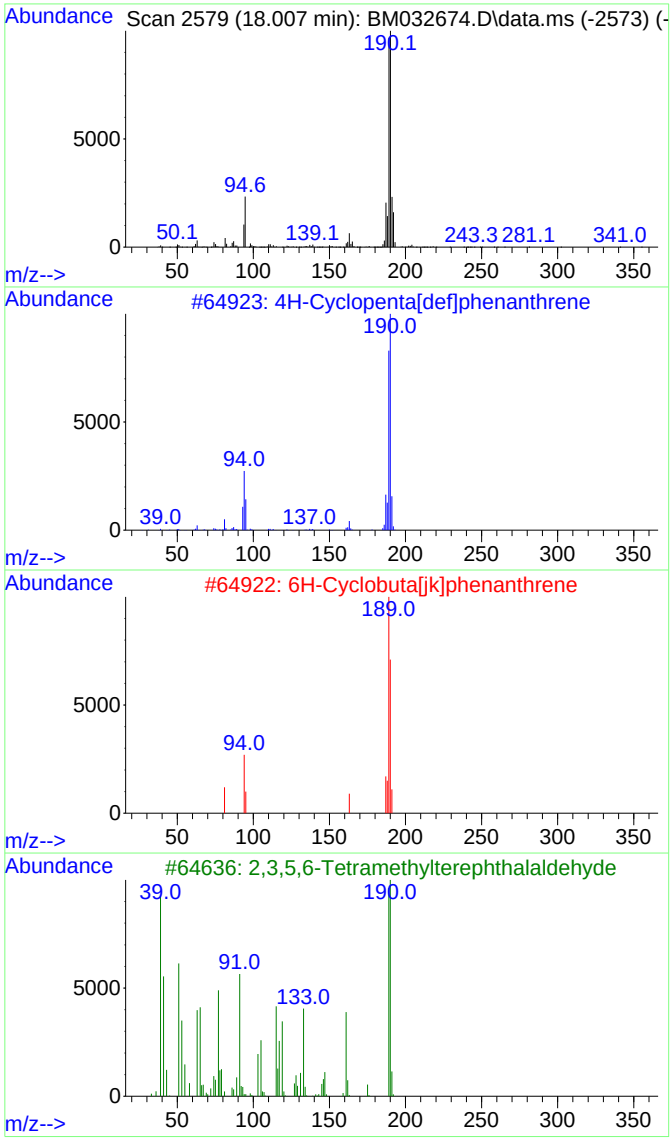
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM100221.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

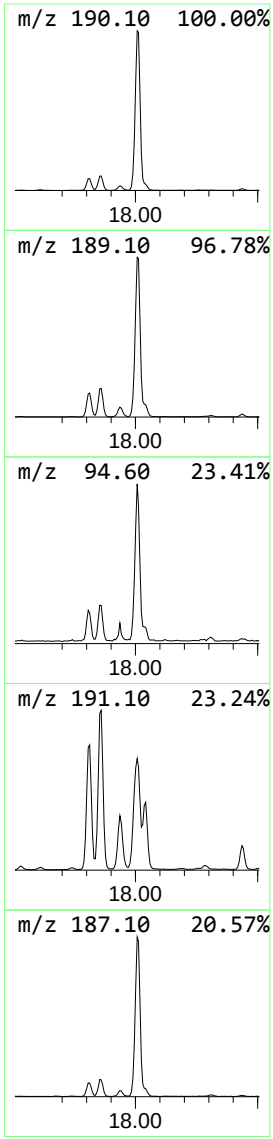
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 13 4H-Cyclopenta[def]phenanthrene Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.007	39.45 ng	5434650	Phenanthrene-d10	16.942

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	97
2	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	72
3	2,3,5,6-Tetramethylterephthalald...	190	C12H14O2	007072-01-7	50
4	Methyl diselenide	190	C2H6Se2	007101-31-7	49
5	2,2'-Bis(4,5-dimethylimidazole)	190	C10H14N4	069286-06-2	45





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Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : 4743

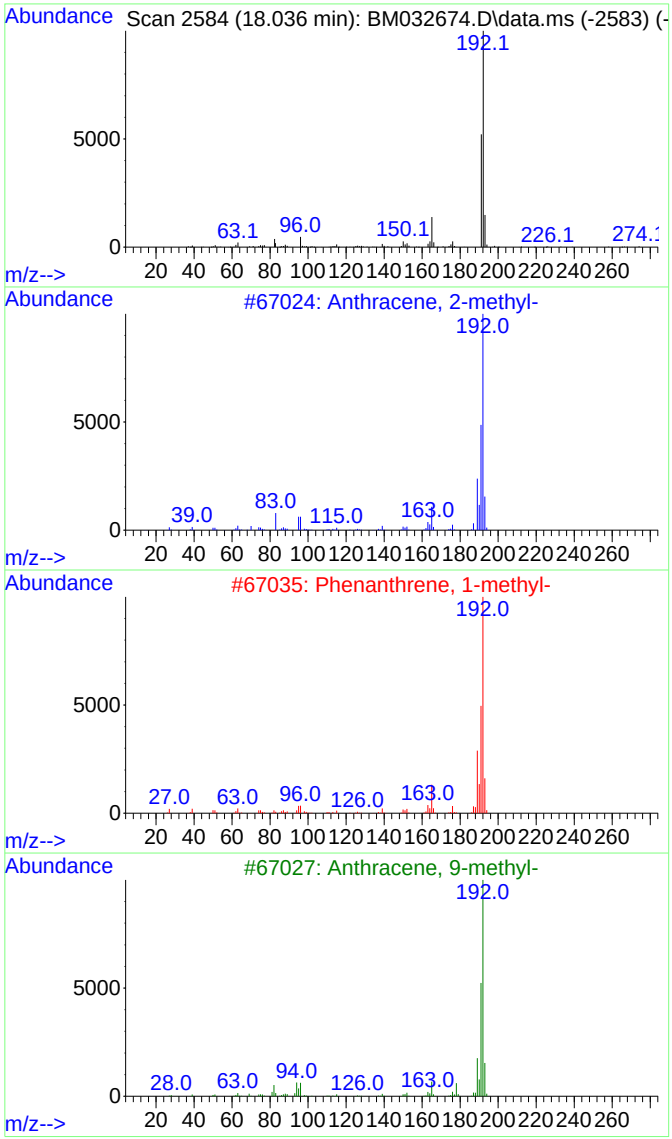
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM100221.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

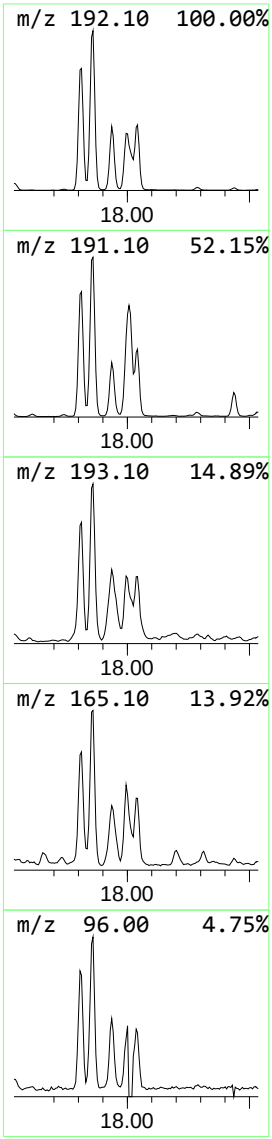
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 14 Phenanthrene, 1-methyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.036	5.37 ng	739751	Phenanthrene-d10	16.942

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 2-methyl-	192	C15H12	000613-12-7	90
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	90
3	Anthracene, 9-methyl-	192	C15H12	000779-02-2	90
4	1H-Indene, 1-phenyl-	192	C15H12	001961-96-2	90
5	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	90





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Sample : M4313-05
Misc :
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Instrument : BNA_M
ClientSampleId : 4743

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
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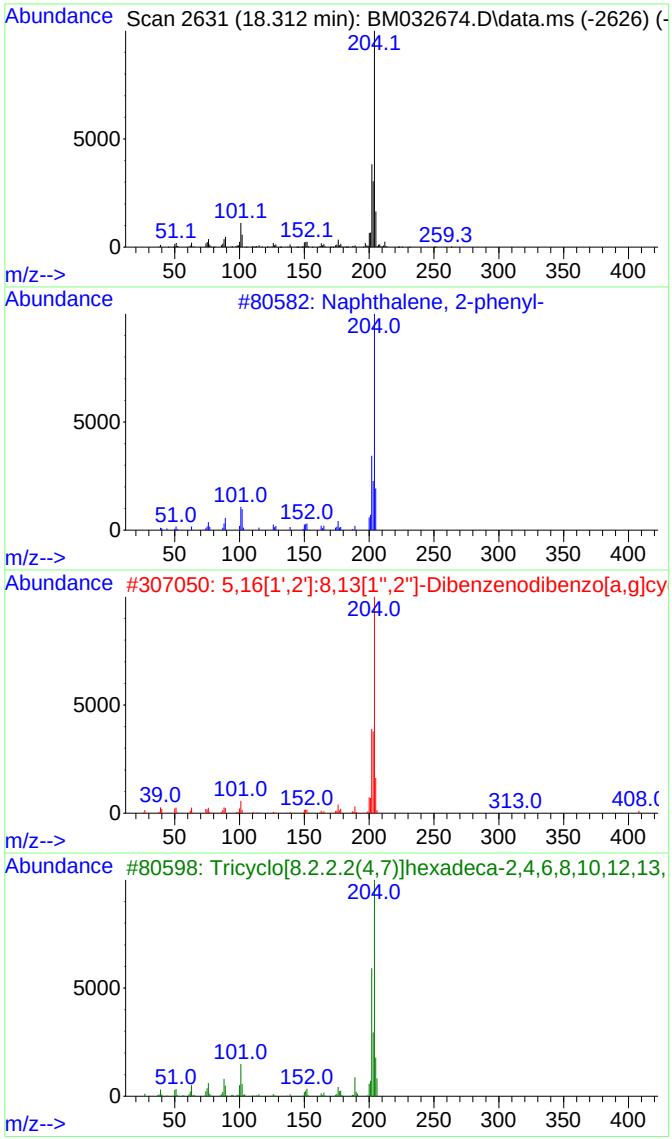
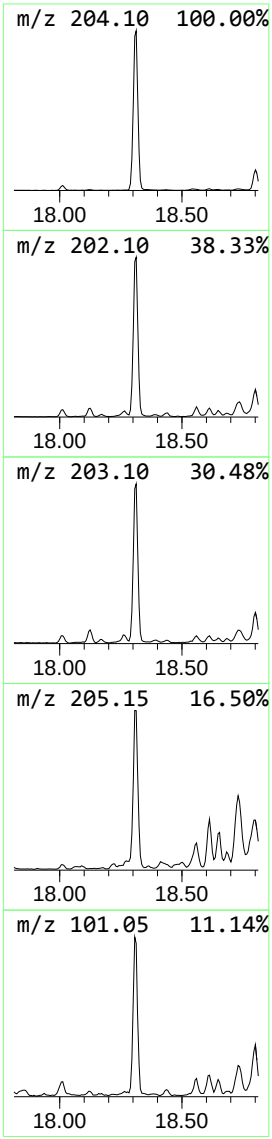
Peak Number 15 Naphthalene, 2-phenyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.313	10.55 ng	1453560	Phenanthrene-d10	16.942

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	94
2	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	90
3	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	68
4	Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	49
5	Benzene, 1,1'-(1-buten-3-yne-1,4...	204	C16H12	013141-45-2	49





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Instrument : BNA_M
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TIC Library : C:\Database\NIST20.L
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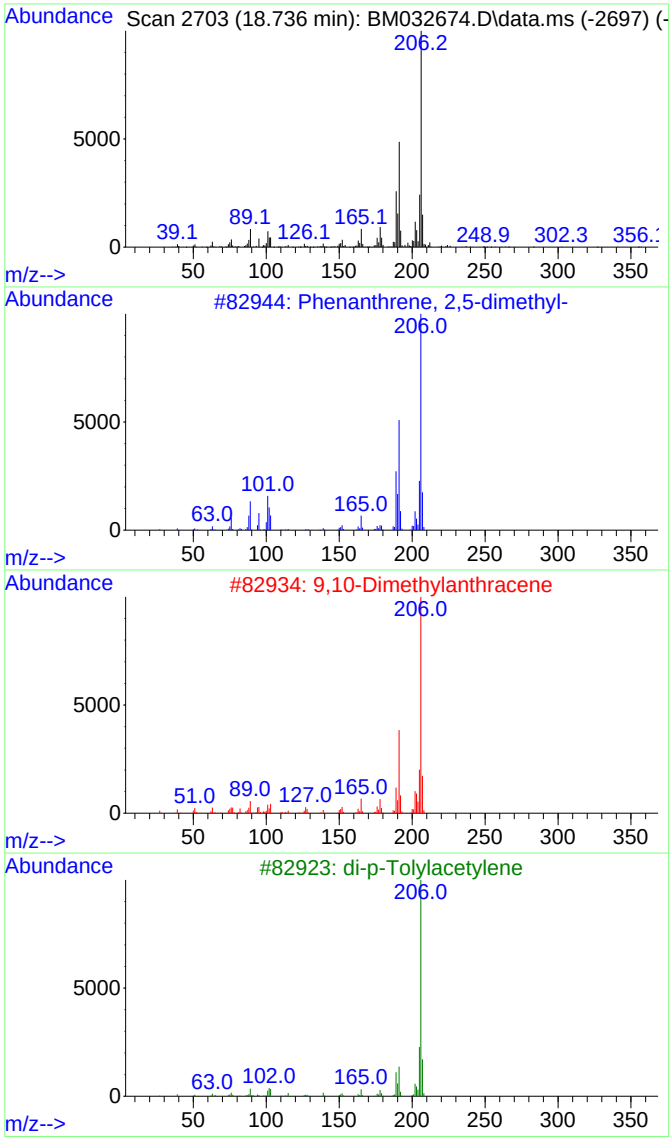
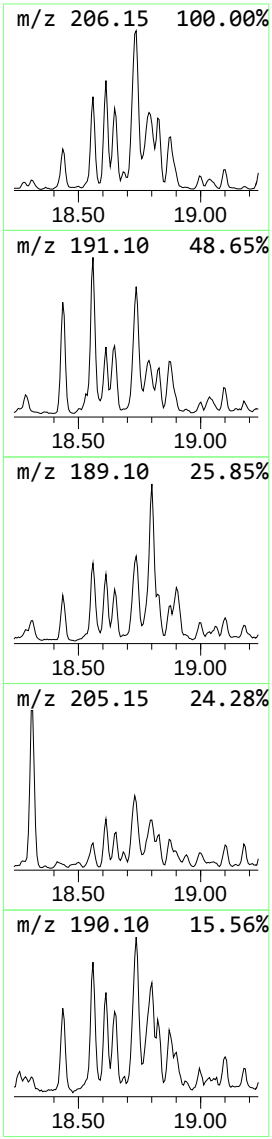
Peak Number 16 Phenanthrene, 2,5-dimethyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.736	5.31 ng	731098	Phenanthrene-d10	16.942

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	96
2	9,10-Dimethylanthracene	206	C16H14	000781-43-1	93
3	di-p-Tolylacetylene	206	C16H14	002789-88-0	93
4	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	92
5	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	91





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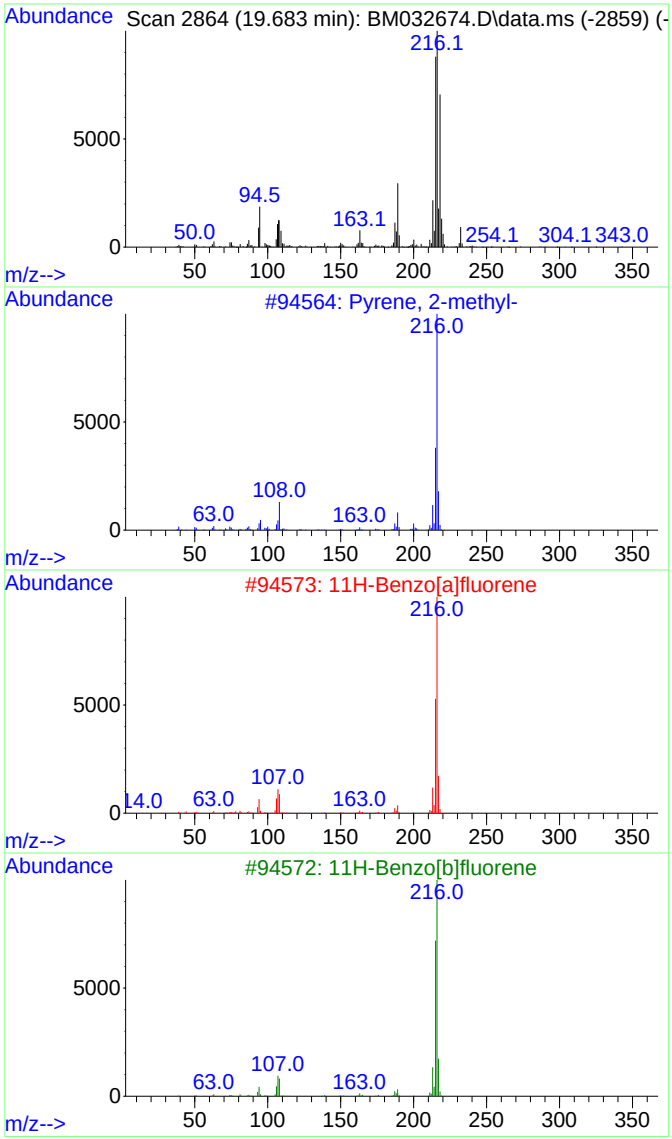
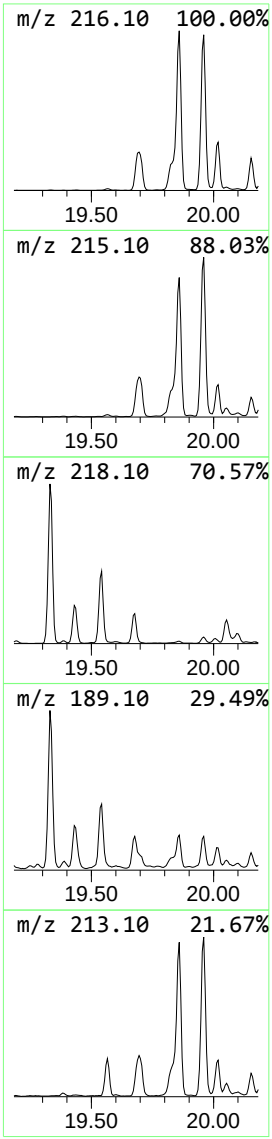
Peak Number 17 Pyrene, 2-methyl- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.683	4.41 ng	1393410	Chrysene-d12	21.118

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 2-methyl-	216	C17H12	003442-78-2	87
2	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	86
3	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	86
4	Pyrene, 1-methyl-	216	C17H12	002381-21-7	60
5	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	55





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Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : 4743

Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM100221.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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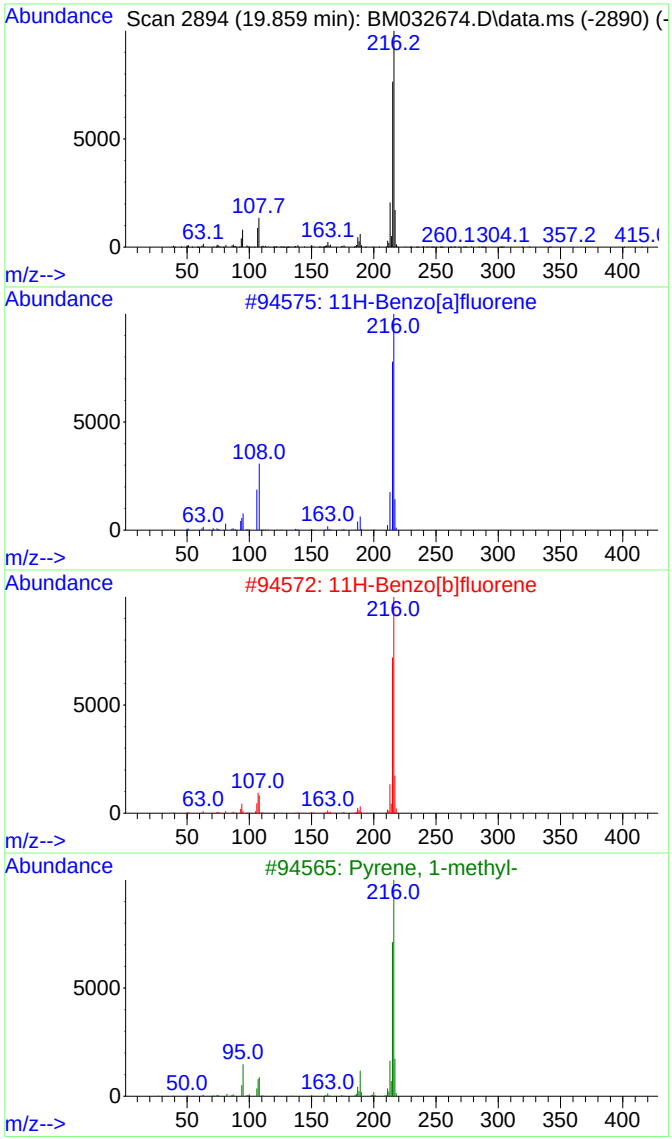
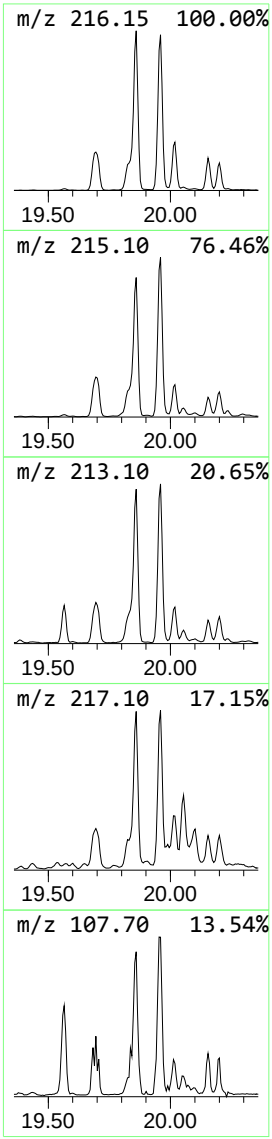
Peak Number 18 11H-Benzo[a]fluorene Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.860	7.41 ng	2341090	Chrysene-d12	21.118

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	94
2	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	94
3	Pyrene, 1-methyl-	216	C17H12	002381-21-7	93
4	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	92
5	7H-Benzo[c]fluorene	216	C17H12	000205-12-9	72





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Acq On : 22 Oct 2021 14:19
Operator : CG/JU
Sample : M4313-05
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : 4743

Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM100221.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

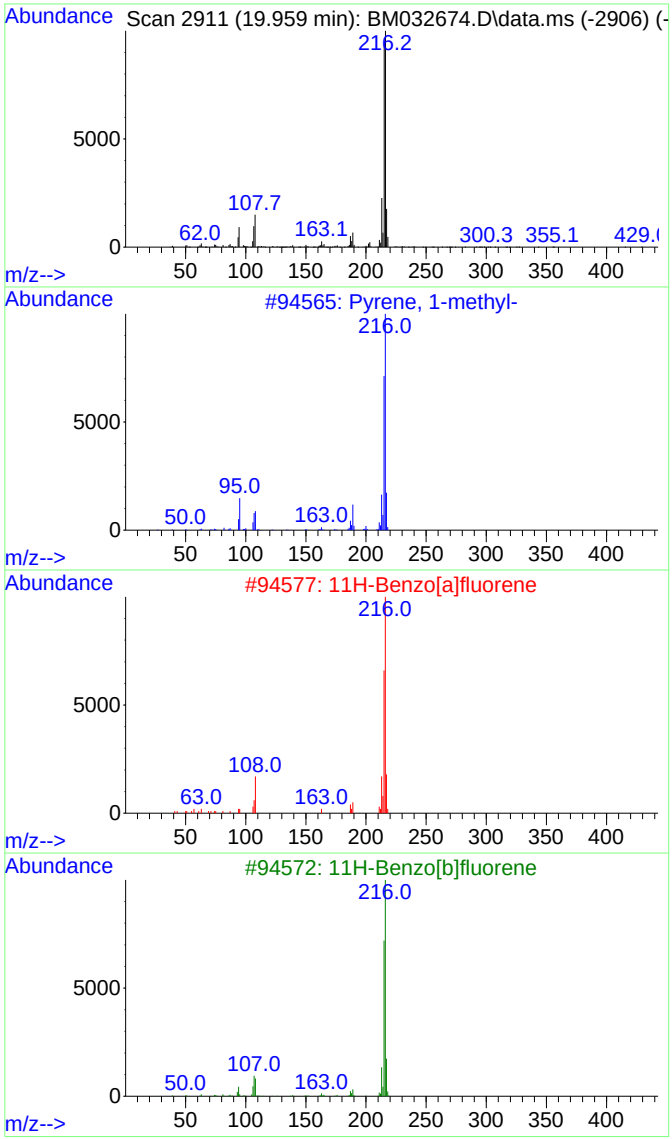
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

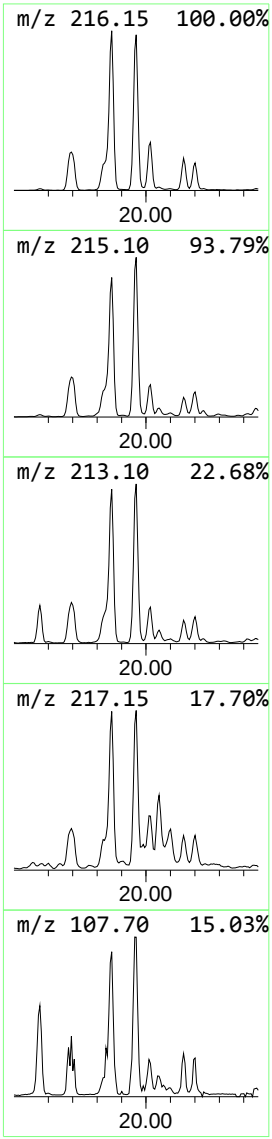
****

Peak Number 19 Pyrene, 1-methyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.959	7.98 ng	2519110	Chrysene-d12	21.118

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	93
3	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	93
4	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	90
5	Pyrene, 4-methyl-	216	C17H12	003353-12-6	60





Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM102221\
Data File : BM032674.D
Acq On : 22 Oct 2021 14:19
Operator : CG/JU
Sample : M4313-05
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : 4743

Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM100221.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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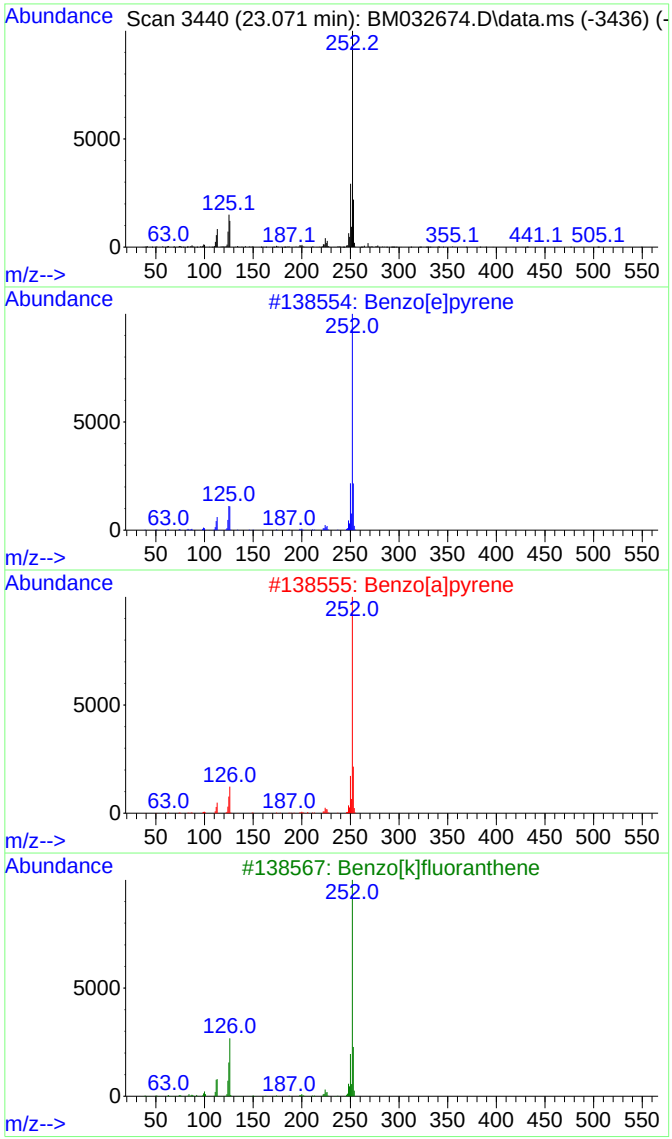
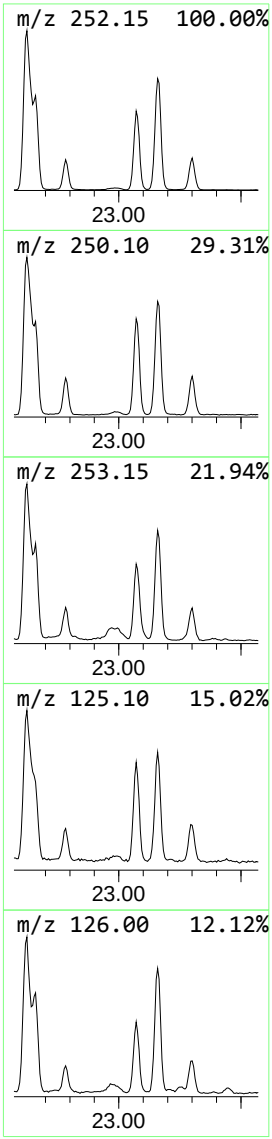
Peak Number 20 Benzo[e]pyrene Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
23.071	13.96 ng	1062510	Perylene-d12	23.253

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	99
2	Benzo[a]pyrene	252	C20H12	000050-32-8	96
3	Benzo[k]fluoranthene	252	C20H12	000207-08-9	93
4	Benzo[b]fluoranthene	252	C20H12	000205-99-2	90
5	Benzo[j]fluoranthene	252	C20H12	000205-82-3	89





Tentatively Identified Compound (LSC) summary

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM102221\
Data File : BM032674.D
Acq On : 22 Oct 2021 14:19
Operator : CG/JU
Sample : M4313-05
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : 4743

Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM100221.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

					--Internal Standard---			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
Ethanol, 2-(2-b...	10.113	6.6	ng	612521	2	10.331	1852830	20.0
Naphthalene, 2,...	13.519	7.3	ng	1025030	3	14.201	2794890	20.0
1-Isopropenylna...	15.377	5.5	ng	773098	3	14.201	2794890	20.0
Nordiphenamid	15.413	7.9	ng	1107700	3	14.201	2794890	20.0
Diphenylmethane	15.501	4.6	ng	638923	3	14.201	2794890	20.0
9H-Fluoren-3-ol	15.548	9.9	ng	1381820	3	14.201	2794890	20.0
2,4,2',4'-Tetra...	15.913	4.7	ng	649198	4	16.942	2755060	20.0
9H-Fluorene, 1-...	16.254	10.2	ng	1402990	4	16.942	2755060	20.0
Phenanthrene, 4...	17.807	13.5	ng	1863770	4	16.942	2755060	20.0
Anthracene, 2-m...	17.860	18.9	ng	2602970	4	16.942	2755060	20.0
Phenanthrene, 2...	17.936	7.7	ng	1064010	4	16.942	2755060	20.0
4H-Cyclopenta[d...	18.007	39.5	ng	5434650	4	16.942	2755060	20.0
Phenanthrene, 1...	18.036	5.4	ng	739751	4	16.942	2755060	20.0
Naphthalene, 2-...	18.313	10.6	ng	1453560	4	16.942	2755060	20.0
Phenanthrene, 2...	18.736	5.3	ng	731098	4	16.942	2755060	20.0
Pyrene, 2-methyl-	19.683	4.4	ng	1393410	5	21.118	6314970	20.0
11H-Benzo[a]flu...	19.860	7.4	ng	2341090	5	21.118	6314970	20.0
Pyrene, 1-methyl-	19.959	8.0	ng	2519110	5	21.118	6314970	20.0
Benzo[e]pyrene	23.071	14.0	ng	1062510	6	23.253	1522000	20.0