LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF052417\
Data File : BF095402.D
Acq On : 24 May 2017 22:11
Operator : SJ/MA
Sample : I3281-01
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : R1-TP-1-SS-1

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:\HPCHEM1\BNA_F\METHODS\8270-BF050217.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.254	49	54	74	rBV	709415	1188135	20.00%	3.594%
2	3.213	211	217	231	rBV2	27842	74011	1.25%	0.224%
3	5.095	533	537	555	rBV2	63893	197566	3.33%	0.598%
4	5.719	639	643	660	rBV	719944	1669016	28.10%	5.049%
5	7.295	907	911	927	rBV	734184	1547660	26.06%	4.682%
6	7.419	927	932	941	rVV	1188670	2032048	34.21%	6.147%
7	7.484	941	943	951	rVB	52775	66493	1.12%	0.201%
8	7.748	984	988	998	rBV	377505	451312	7.60%	1.365%
9	7.983	1023	1028	1043	rVB	1223197	1505541	25.35%	4.554%
10	8.648	1137	1141	1157	rBV	593056	1011171	17.03%	3.059%
11	9.772	1327	1332	1336	rBV	346528	490574	8.26%	1.484%
12	9.848	1342	1345	1357	rVB2	45217	78822	1.33%	0.238%
13	10.830	1506	1512	1520	rBV	48341	60995	1.03%	0.185%
14	10.936	1525	1530	1542	rBV	91032	141377	2.38%	0.428%
15	11.089	1551	1556	1560	rBV	71937	106797	1.80%	0.323%
16	11.536	1627	1632	1650	rVB	1262398	1866510	31.43%	5.646%
17	11.754	1665	1669	1678	rVB	53855	77299	1.30%	0.234%
18	12.077	1720	1724	1728	rBV2	54912	79800	1.34%	0.241%
19	12.118	1728	1731	1737	rVB2	45263	62294	1.05%	0.188%
20	12.242	1748	1752	1756	rBV	150577	249876	4.21%	0.756%
21	12.601	1808	1813	1819	rBV3	389887	612063	10.31%	1.852%
22	12.654	1819	1822	1830	rVB	84823	134117	2.26%	0.406%
23	12.966	1868	1875	1880	rBV2	56705	128427	2.16%	0.388%
24	13.377	1937	1945	1949	rBV	4080848	5939200	100.00%	17.966%
25	13.430	1951	1954	1960	rVV	80422	88340	1.49%	0.267%
26	13.501	1960	1966	1975	rVB2	92061	150325	2.53%	0.455%
27	13.777	2007	2013	2020	rBV2	48428	111502	1.88%	0.337%
28	13.901	2025	2034	2044	rBV	552699	967258	16.29%	2.926%
29	14.207	2082	2086	2088	rBV	75561	94901	1.60%	0.287%
30	14.230	2088	2090	2096	rVB2	84236	105352	1.77%	0.319%
31	14.624	2153	2157	2161	rBV5	37475	64044	1.08%	0.194%
32	14.936	2205	2210	2214	rBV	63941	75704	1.27%	0.229%
33	15.007	2215	2222	2224	rVV	343059	449854	7.57%	1.361%
34	15.042	2224	2228	2238	rVV	617203	841763	14.17%	2.546%

LSC Area Percent Report

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Acq On : 24 May 2017 22:11
Operator : SJ/MA
Sample : I3281-01
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : R1-TP-1-SS-1

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:\HPCHEM1\BNA_F\METHODS\8270-BF050217.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	15.130	2238	2243	2253	rVB	127791	203921	3.43%	0.617%
36	15.424	2290	2293	2300	rBV	43702	79917	1.35%	0.242%
37	15.601	2319	2323	2328	rVB	55381	75955	1.28%	0.230%
38	15.783	2350	2354	2358	rBV	94949	117247	1.97%	0.355%
39	15.830	2358	2362	2367	rVB	125059	150799	2.54%	0.456%
40	15.936	2376	2380	2382	rBV2	131544	146625	2.47%	0.444%
41	15.971	2382	2386	2392	rVB2	106311	224952	3.79%	0.680%
42	16.189	2420	2423	2426	rBV2	57198	63728	1.07%	0.193%
43	16.224	2426	2429	2434	rVV	67350	95061	1.60%	0.288%
44	16.289	2437	2440	2444	rVB2	52527	67322	1.13%	0.204%
45	16.577	2485	2489	2493	rBV	86082	116826	1.97%	0.353%
46	16.701	2506	2510	2513	rBV3	62204	94377	1.59%	0.285%
47	16.783	2520	2524	2529	rBV	869730	1043005	17.56%	3.155%
48	17.089	2571	2576	2582	rVB	934756	1114801	18.77%	3.372%
49	17.277	2605	2608	2611	rBV2	61484	74406	1.25%	0.225%
50	17.324	2611	2616	2624	rVV	1333360	1568880	26.42%	4.746%
51	17.406	2624	2630	2633	rVV3	60425	125146	2.11%	0.379%
52	17.442	2633	2636	2642	rVV	387706	445596	7.50%	1.348%
53	17.518	2646	2649	2651	rVV3	63391	95512	1.61%	0.289%
54	17.548	2651	2654	2660	rVB2	120360	162127	2.73%	0.490%
55	17.636	2666	2669	2673	rVB	91587	97582	1.64%	0.295%
56	17.683	2673	2677	2679	rBV2	127705	160683	2.71%	0.486%
57	17.800	2694	2697	2701	rVB2	63637	65655	1.11%	0.199%
58	17.842	2701	2704	2709	rBV2	46233	62608	1.05%	0.189%
59	18.236	2768	2771	2775	rVB	62907	69335	1.17%	0.210%
60	18.353	2788	2791	2793	rBV2	55371	61562	1.04%	0.186%
61	18.383	2793	2796	2799	rVB2	88238	94175	1.59%	0.285%
62	18.418	2799	2802	2805	rBV2	58857	63684	1.07%	0.193%
63	18.512	2815	2818	2823	rVB	58302	74369	1.25%	0.225%
64	18.571	2824	2828	2832	rBV2	102095	145364	2.45%	0.440%
65	18.671	2840	2845	2849	rBV2	610172	1032911	17.39%	3.125%
66	18.712	2849	2852	2863	rVB2	409177	551797	9.29%	1.669%
67	18.806	2864	2868	2871	rBV2	70610	90426	1.52%	0.274%
68	18.971	2891	2896	2899	rBV3	70032	98702	1.66%	0.299%
69	19.183	2929	2932	2936	rVB	78204	72234	1.22%	0.219%
70	19.359	2956	2962	2967	rBV5	71686	130947	2.20%	0.396%
71	19.794	3033	3036	3041	rVB	68774	77778	1.31%	0.235%

LSC Area Percent Report

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Operator : SJ/MA
Sample : I3281-01
Misc :
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Instrument : BNA_F
ClientSampleId : R1-TP-1-SS-1

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:\HPCHEM1\BNA_F\METHODS\8270-BF050217.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

72	19.947	3058	3062	3065	rBV	288069	393992	6.63%	1.192%
73	20.065	3079	3082	3084	rBV	52037	81388	1.37%	0.246%
74	20.241	3109	3112	3116	rVB	179876	190149	3.20%	0.575%
75	20.300	3119	3122	3128	rVB	221297	241899	4.07%	0.732%
76	20.359	3128	3132	3135	rBV	243905	290209	4.89%	0.878%
77	21.694	3355	3359	3365	rVB2	69950	123841	2.09%	0.375%

Sum of corrected areas: 33057640

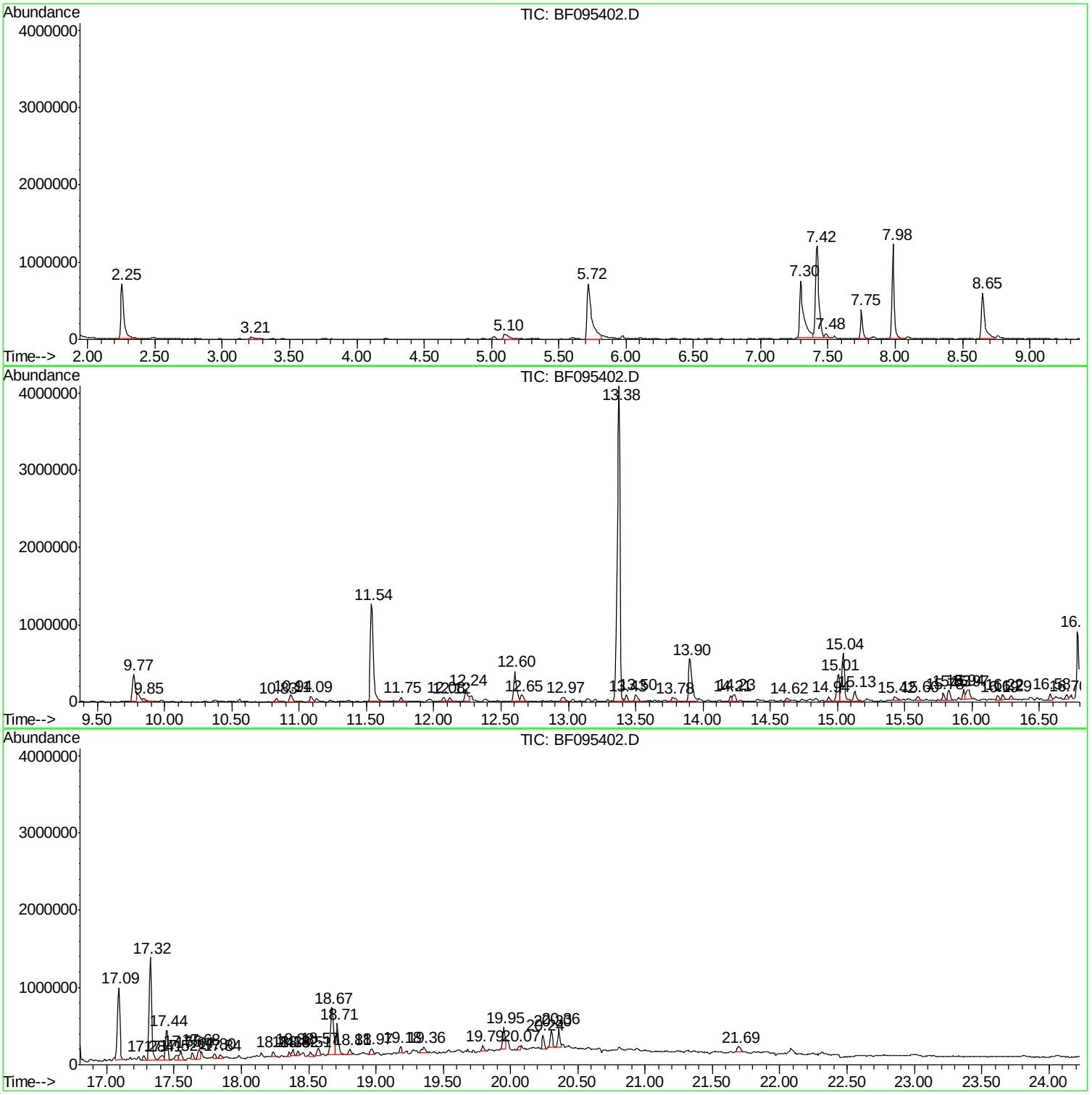
LSC Report - Integrated Chromatogram

Data Path : Z:\HPCHEM1\BNA F\DATA\BF052417\
Data File : BF095402.D
Acq On : 24 May 2017 22:11
Operator : SJ/MA
Sample : I3281-01
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : R1-TP-1-SS-1

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF050217.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P



Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF052417\
Data File : BF095402.D
Acq On : 24 May 2017 22:11
Operator : SJ/MA
Sample : I3281-01
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : R1-TP-1-SS-1

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF050217.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

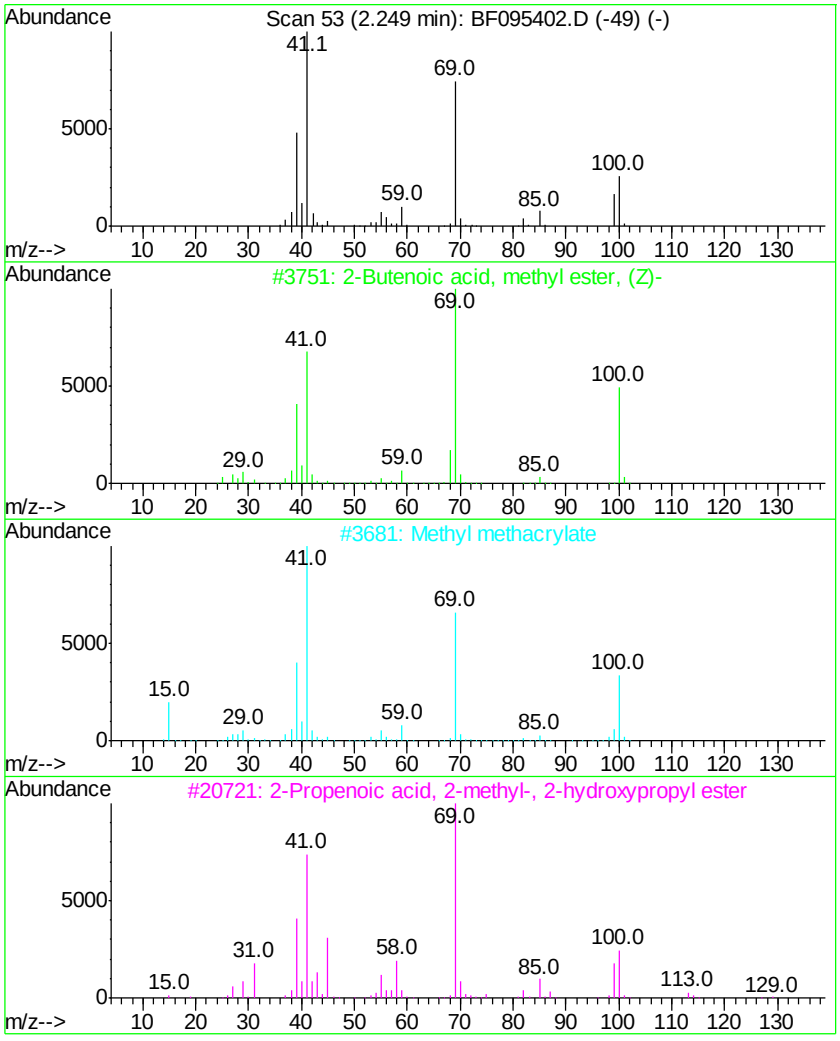
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

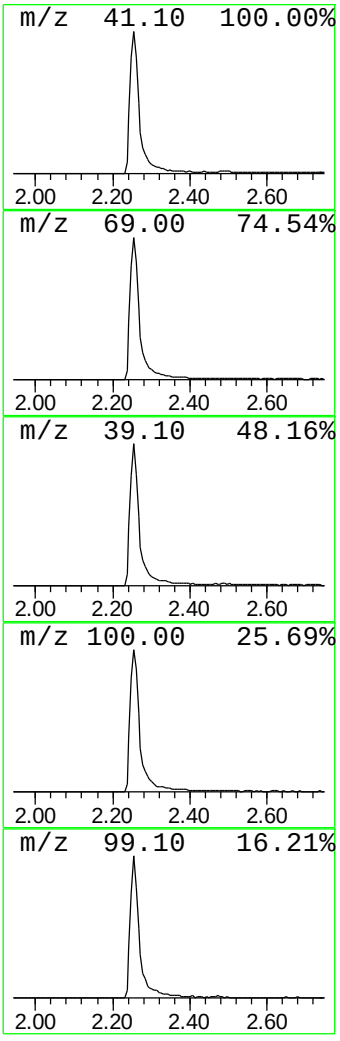
****

Peak Number 1 2-Butenoic acid, methyl est... Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.25	52.65 ng	1188140	1,4-Dichlorobenzene-d4	7.75

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Butenoic acid, methyl ester, (Z)-	100	C5H8O2	004358-59-2	87
2	Methyl methacrylate	100	C5H8O2	000080-62-6	86
3	2-Propenoic acid, 2-methyl-, 2-h...	144	C7H12O3	000923-26-2	64
4	2-Butenoic acid, methyl ester, (E)-	100	C5H8O2	000623-43-8	56
5	2-Propenoic acid, 2-methyl-, 2-p...	124	C7H8O2	013861-22-8	40





Data Path : Z:\HPCHEM1\BNA F\DATA\BF052417\
Data File : BF095402.D
Acq On : 24 May 2017 22:11
Operator : SJ/MA
Sample : I3281-01
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : R1-TP-1-SS-1

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF050217.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

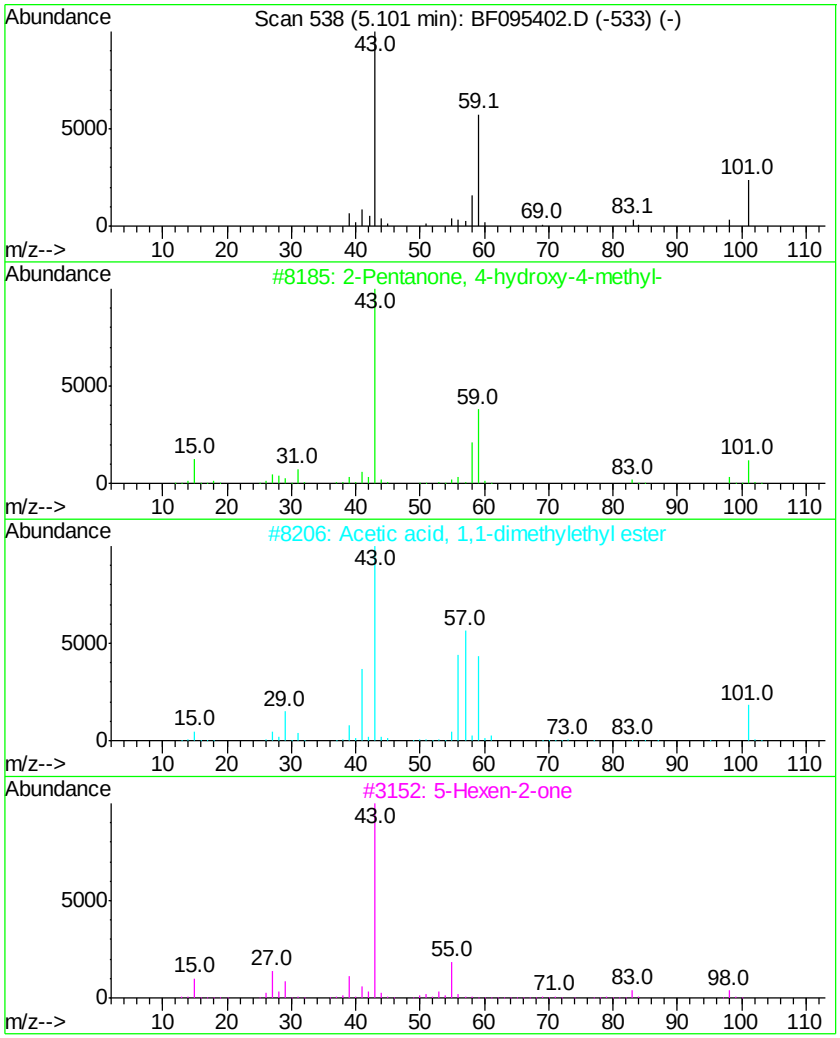
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

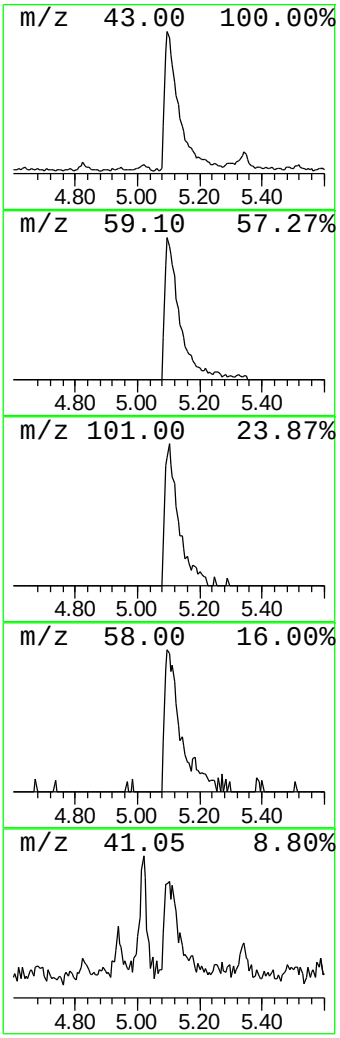
****

Peak Number 2 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.10	8.76 ng	197566	1,4-Dichlorobenzene-d4	7.75

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	56
2	Acetic acid, 1,1-dimethylethyl e...	116	C6H12O2	000540-88-5	39
3	5-Hexen-2-one	98	C6H10O	000109-49-9	10
4	2-Propyn-1-ol, acetate	98	C5H6O2	000627-09-8	9
5	4-Penten-2-one, 4-methyl-	98	C6H10O	003744-02-3	9





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF052417\
Data File : BF095402.D
Acq On : 24 May 2017 22:11
Operator : SJ/MA
Sample : I3281-01
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : R1-TP-1-SS-1

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF050217.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
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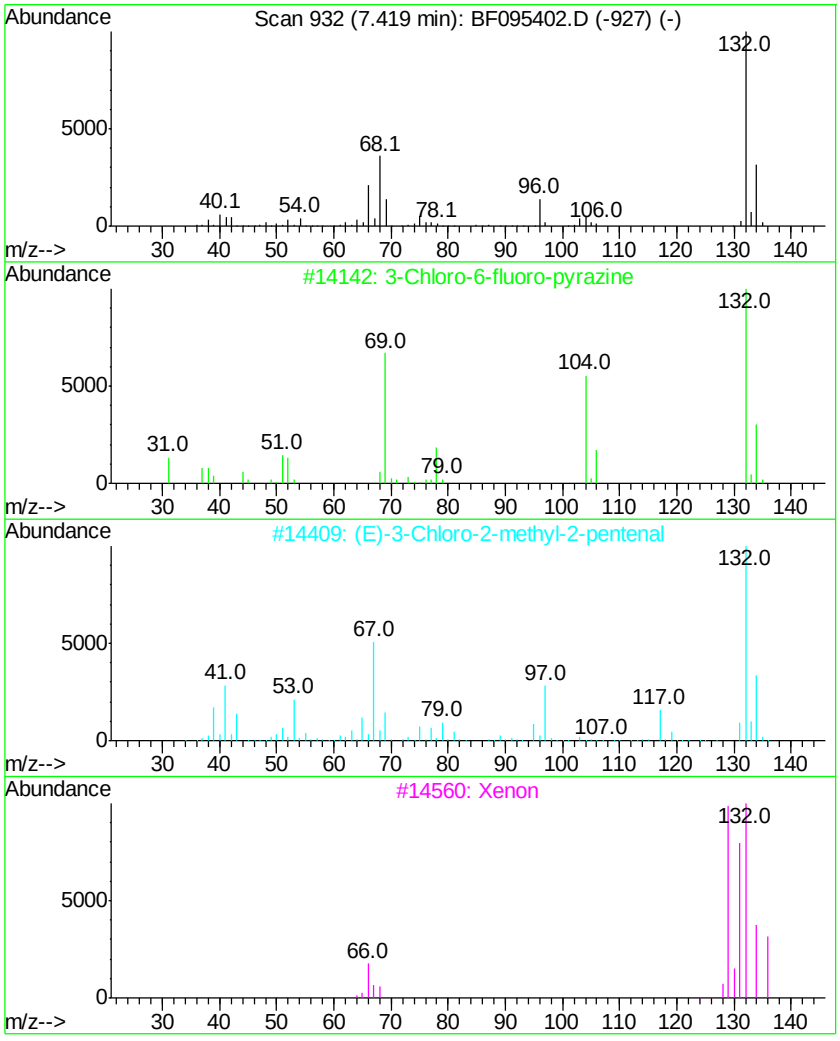
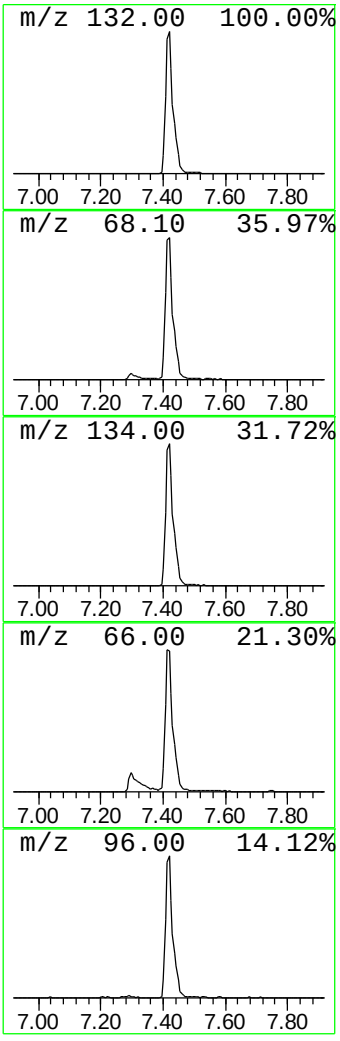
****

Peak Number 3 unknown7.42 Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.42	90.05 ng	2032050	1,4-Dichlorobenzene-d4	7.75

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	38
2	(E)-3-Chloro-2-methyl-2-pentenal	132	C6H9ClO	031357-76-3	35
3	Xenon	132	Xe	007440-63-3	9
4	4-Chloro-6-fluoro-pyrimidine	132	C4H2ClFN2	051422-01-6	9
5	4-Chloro-2-fluoro-pyrimidine	132	C4H2ClFN2	051422-00-5	9





Data Path : Z:\HPCHEM1\BNA F\DATA\BF052417\
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Operator : SJ/MA
Sample : I3281-01
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : R1-TP-1-SS-1

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF050217.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

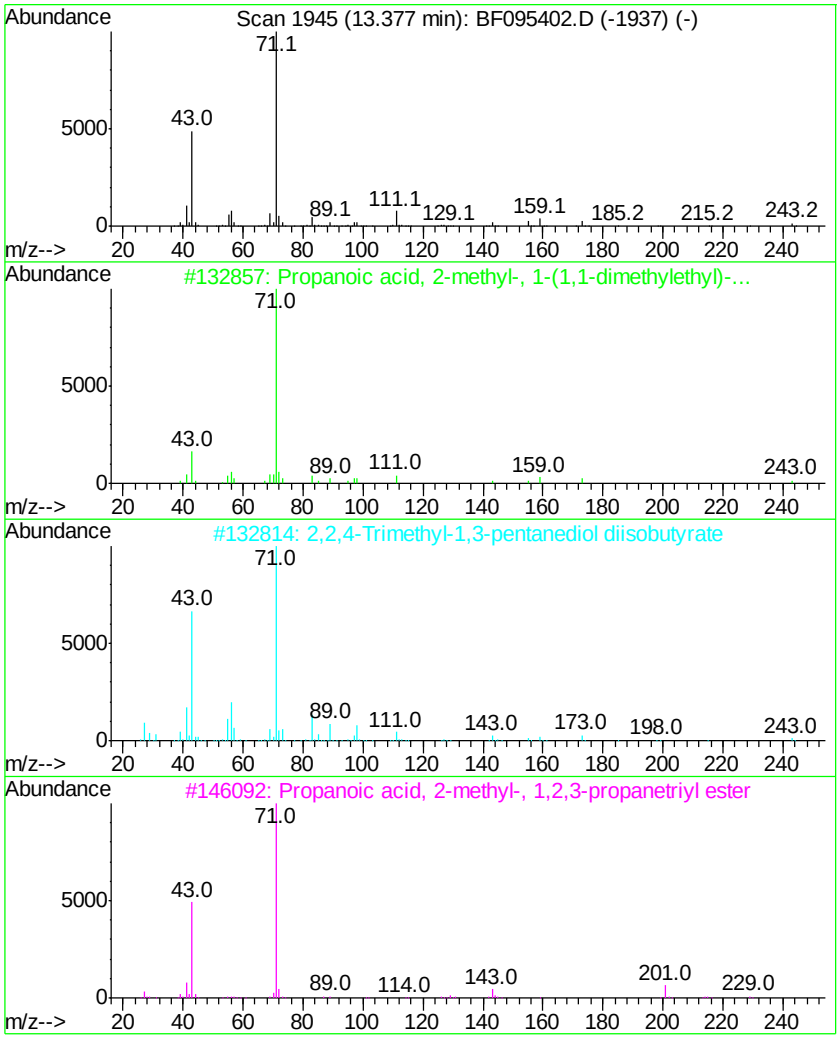
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

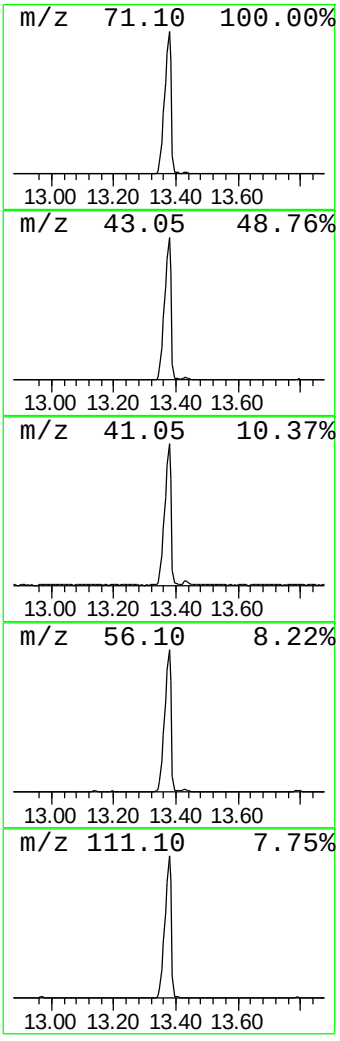
****

Peak Number 6 Propanoic acid, 2-methyl-, ... Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.38	194.07 ng	5939200	Acenaphthene-d10	12.60

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Propanoic acid, 2-methyl-, 1-(1,...	286	C16H30O4	074381-40-1	78
2	2,2,4-Trimethyl-1,3-pentanediol ...	286	C16H30O4	006846-50-0	64
3	Propanoic acid, 2-methyl-, 1,2,3...	302	C15H26O6	014295-64-8	64
4	Butanoic acid, 2-butoxy-1-methyl...	216	C11H20O4	007492-70-8	45
5	4-Hexen-3-ol, 2-methyl-	114	C7H14O	004798-60-1	45





Data Path : Z:\HPCHEM1\BNA F\DATA\BF052417\
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Operator : SJ/MA
Sample : I3281-01
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : R1-TP-1-SS-1

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF050217.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

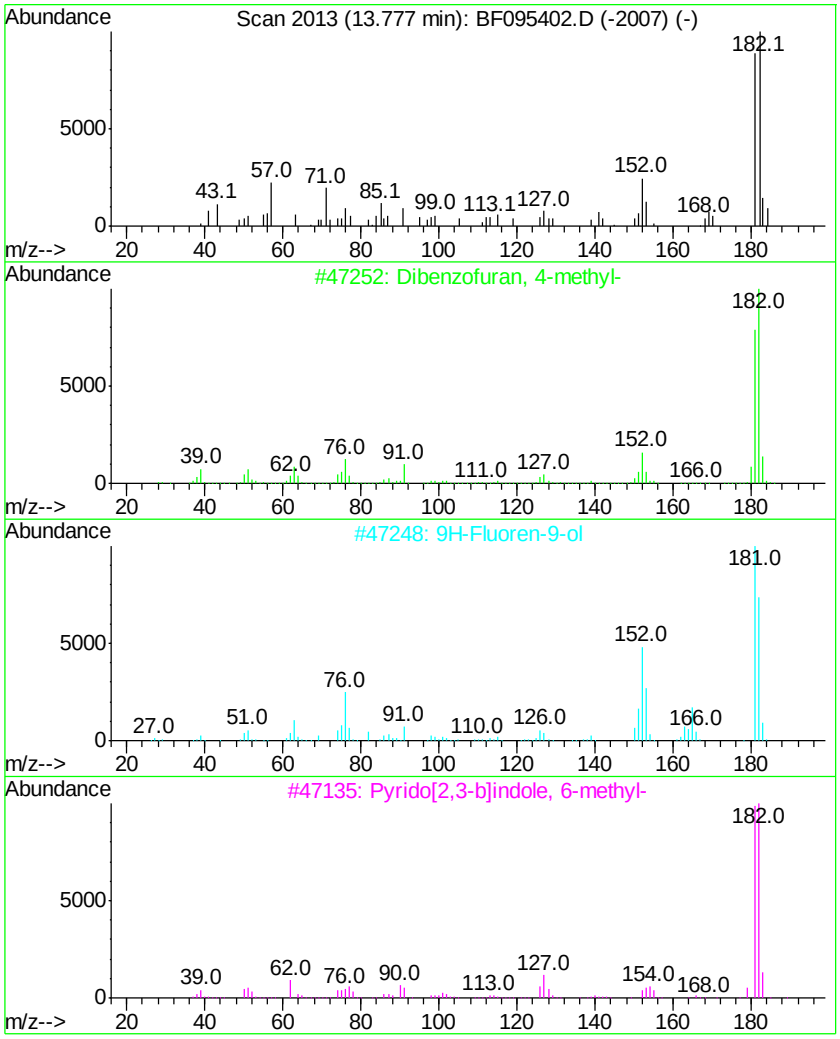
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

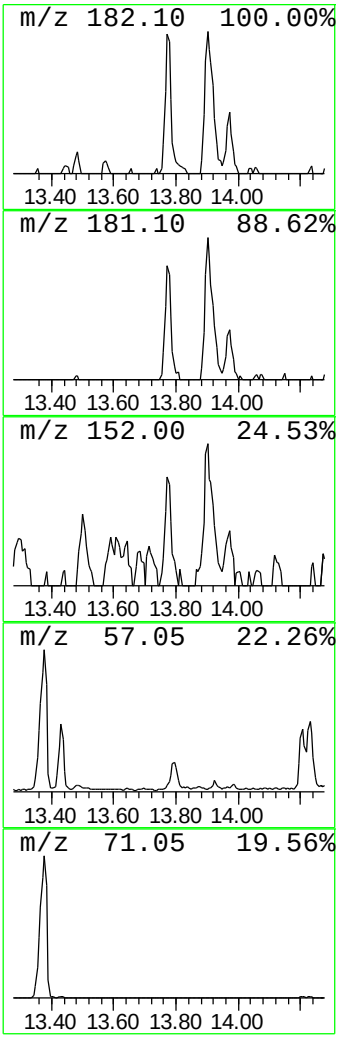
****

Peak Number 7 Dibenzofuran, 4-methyl- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.78	3.64 ng	111502	Acenaphthene-d10	12.60

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzofuran, 4-methyl-	182	C13H10O	007320-53-8	81
2	9H-Fluoren-9-ol	182	C13H10O	001689-64-1	72
3	Pyrido[2,3-b]indole, 6-methyl-	182	C12H10N2	108349-67-3	53
4	[1,1'-Biphenyl]-4-carboxaldehyde	182	C13H10O	003218-36-8	52
5	Benzaldehyde, 4-hydroxy-3,5-dime...	182	C9H10O4	000134-96-3	52





Data Path : Z:\HPCHEM1\BNA F\DATA\BF052417\
Data File : BF095402.D
Acq On : 24 May 2017 22:11
Operator : SJ/MA
Sample : I3281-01
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : R1-TP-1-SS-1

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF050217.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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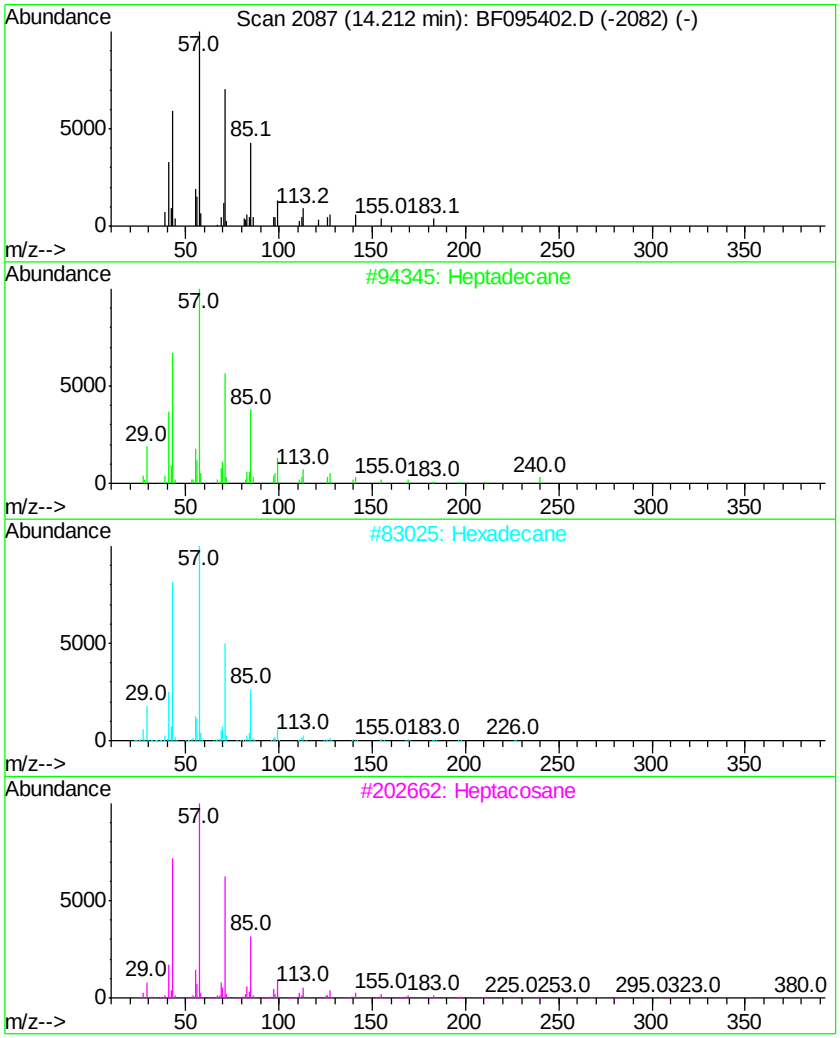
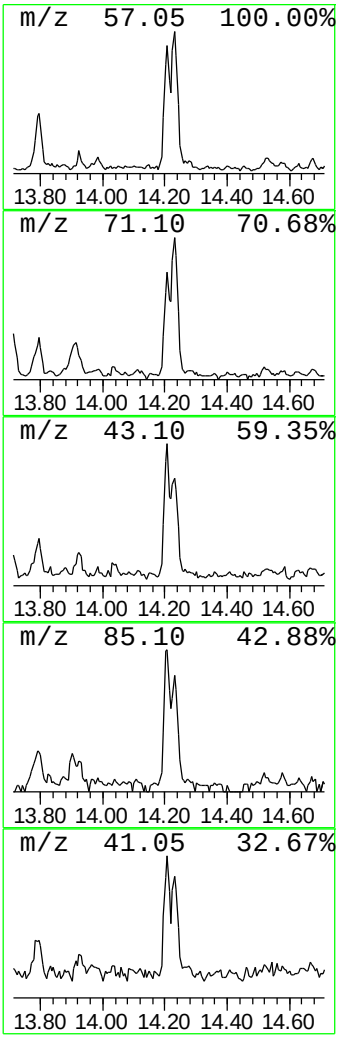
Peak Number 8 Heptadecane Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.21	4.22 ng	94901	Phenanthrene-d10	15.01

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptadecane	240	C17H36	000629-78-7	91
2	Hexadecane	226	C16H34	000544-76-3	90
3	Heptacosane	380	C27H56	000593-49-7	90
4	Tridecane, 1-iodo-	310	C13H27I	035599-77-0	90
5	Pentadecane	212	C15H32	000629-62-9	87





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Data File : BF095402.D
Acq On : 24 May 2017 22:11
Operator : SJ/MA
Sample : I3281-01
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : R1-TP-1-SS-1

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF050217.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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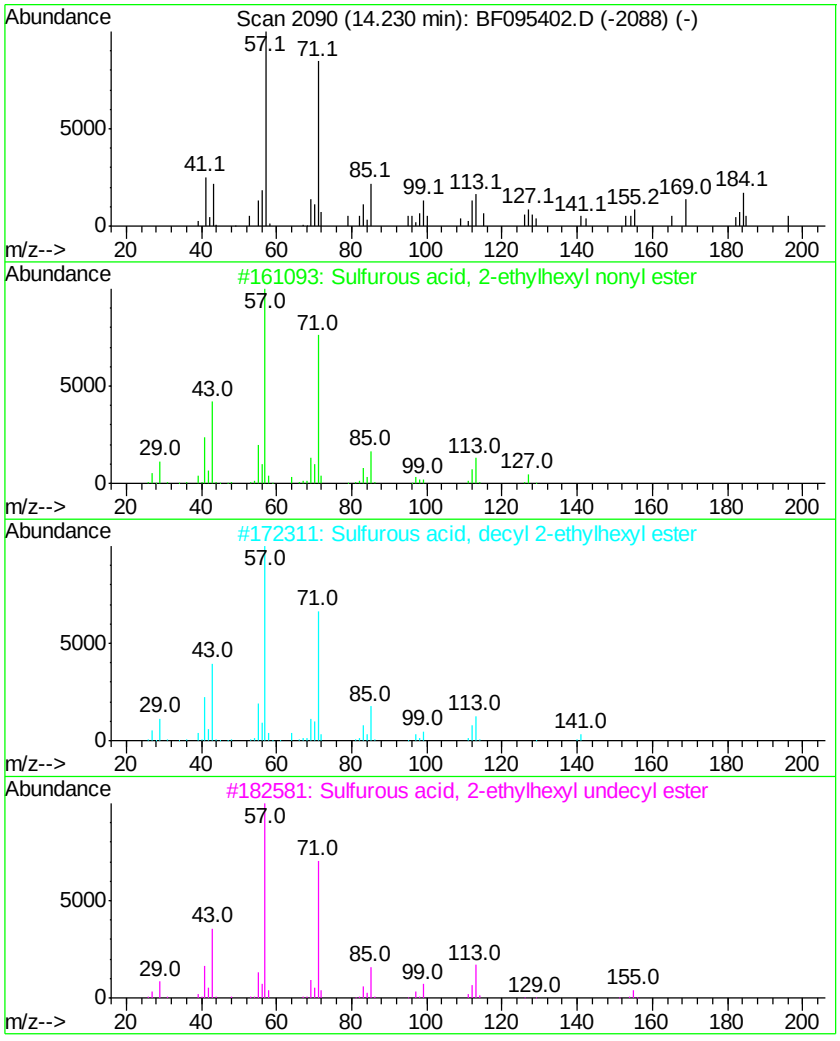
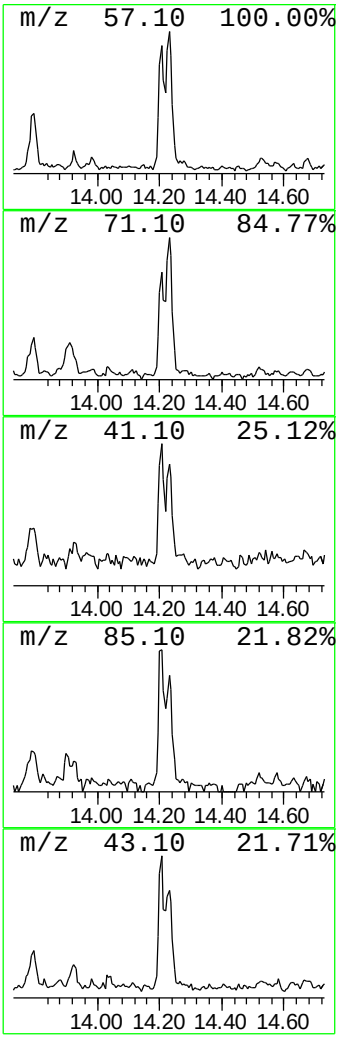
Peak Number 9 Sulfurous acid, 2-ethylhexy... Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.23	4.68 ng	105352	Phenanthrene-d10	15.01

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Sulfurous acid, 2-ethylhexyl non...	320	C17H36O3S	1000309-19-2	64
2	Sulfurous acid, decyl 2-ethylhex...	334	C18H38O3S	1000309-19-3	64
3	Sulfurous acid, 2-ethylhexyl und...	348	C19H40O3S	1000309-19-4	64
4	Undecane, 2,6-dimethyl-	184	C13H28	017301-23-4	59
5	Heptacosane	380	C27H56	000593-49-7	50





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Sample : I3281-01
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : R1-TP-1-SS-1

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF050217.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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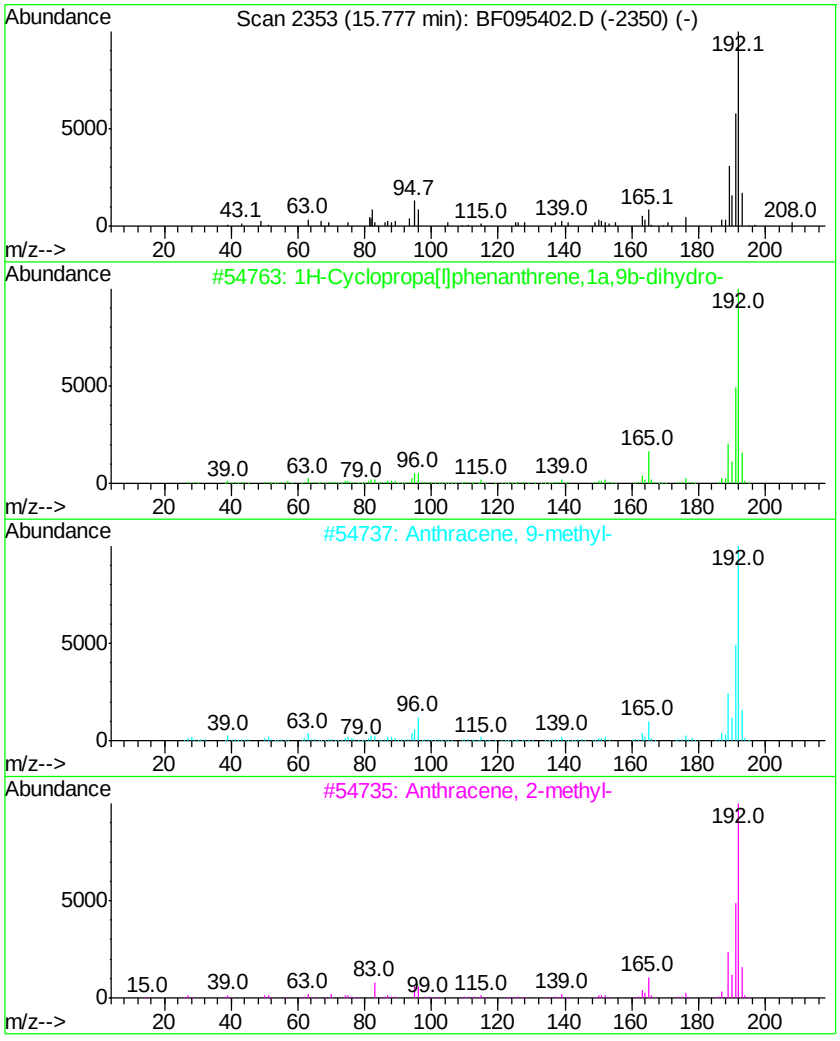
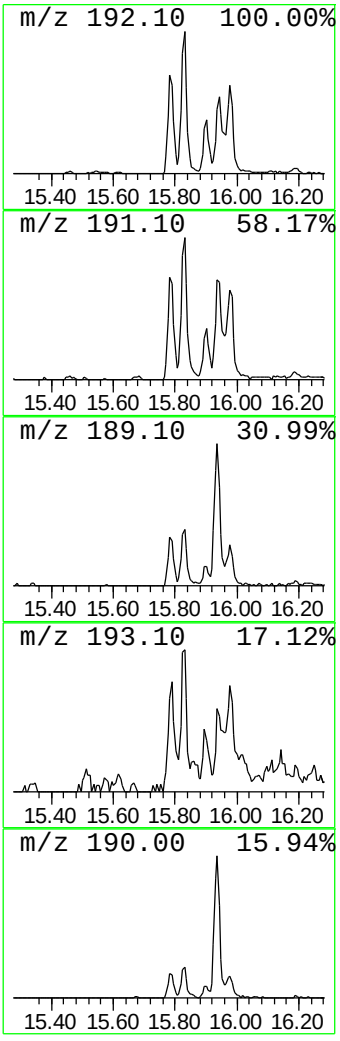
Peak Number 10 1H-Cyclopropa[l]phenanthren... Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.78	5.21 ng	117247	Phenanthrene-d10	15.01

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	94
2	Anthracene, 9-methyl-	192	C15H12	000779-02-2	93
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	91
4	Phenanthrene, 3-methyl-	192	C15H12	000832-71-3	91
5	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	90





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Sample : I3281-01
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : R1-TP-1-SS-1

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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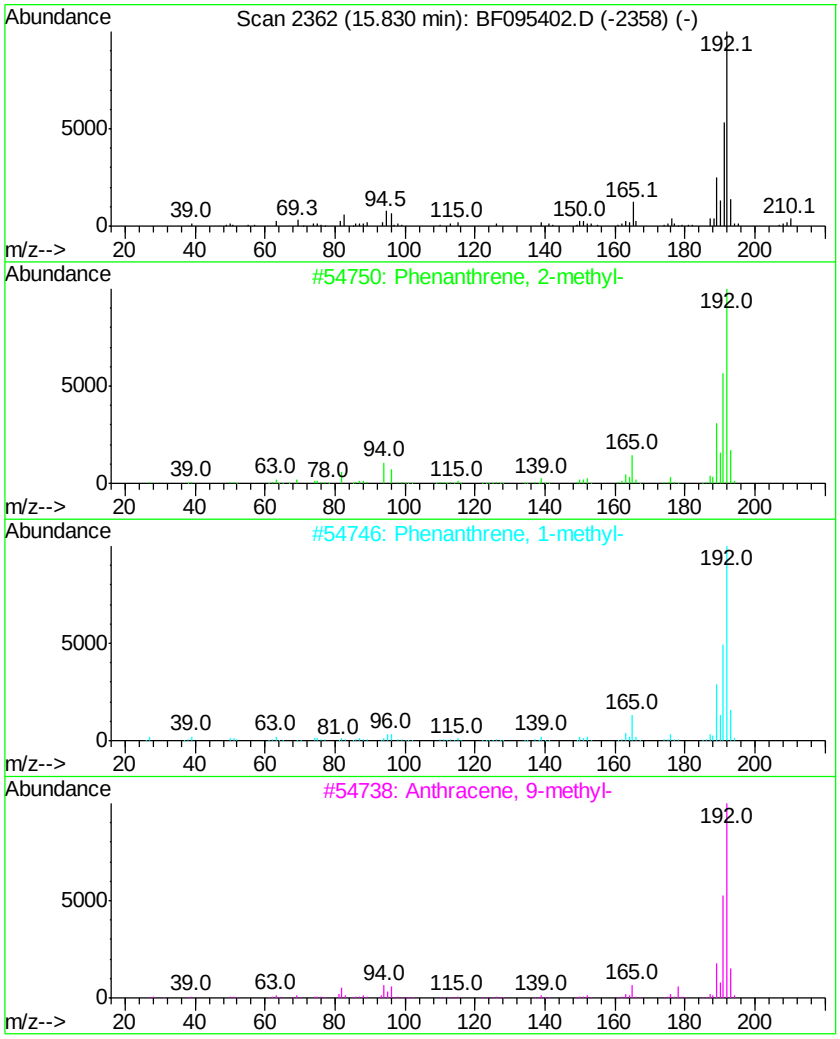
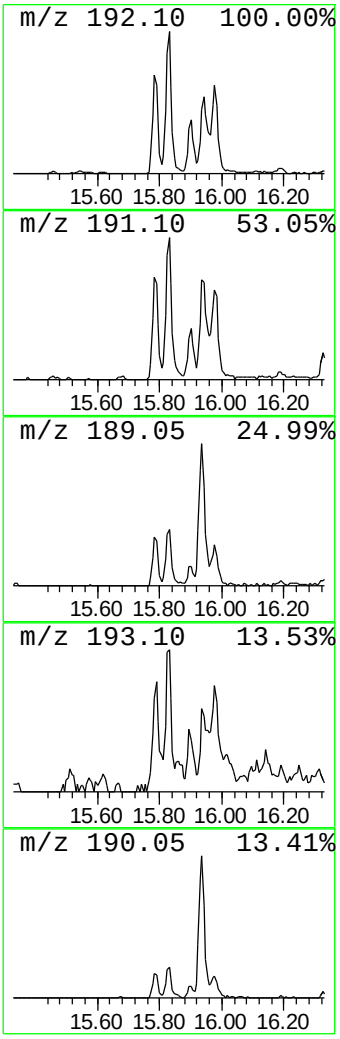
Peak Number 11 Phenanthrene, 2-methyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.83	6.70 ng	150799	Phenanthrene-d10	15.01

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	94
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	94
3	Anthracene, 9-methyl-	192	C15H12	000779-02-2	94
4	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	93
5	Anthracene, 2-methyl-	192	C15H12	000613-12-7	90





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Acq On : 24 May 2017 22:11
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Sample : I3281-01
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : R1-TP-1-SS-1

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF050217.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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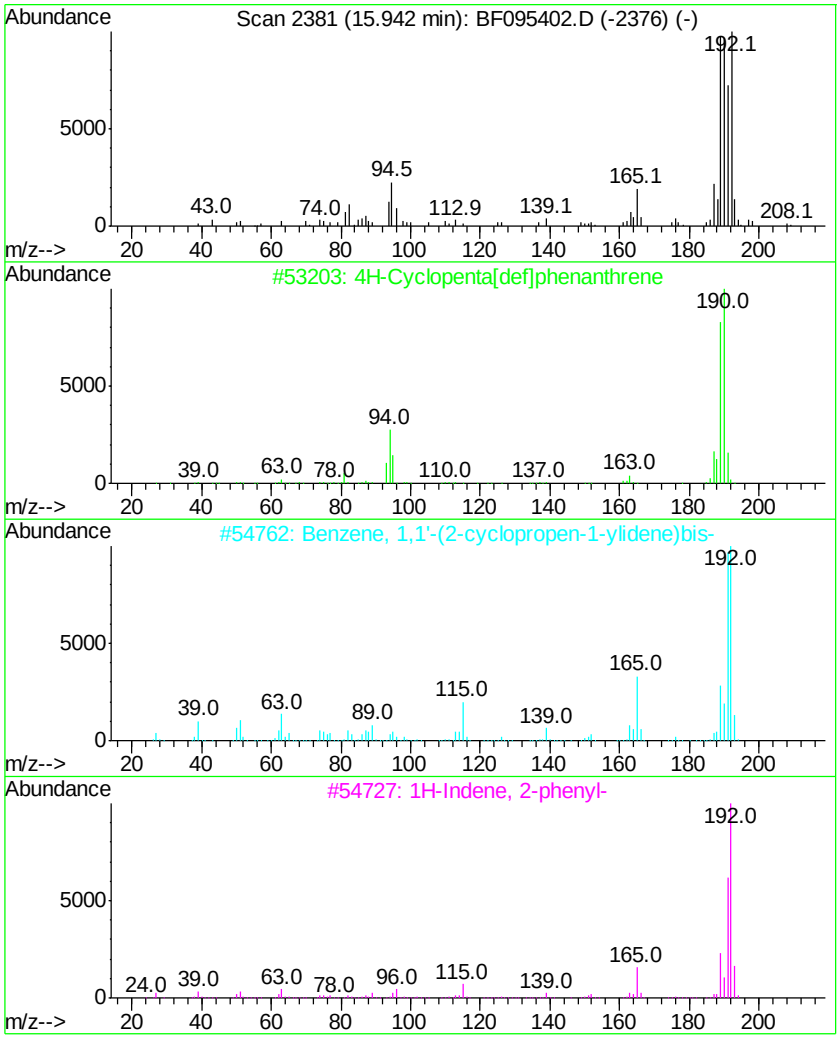
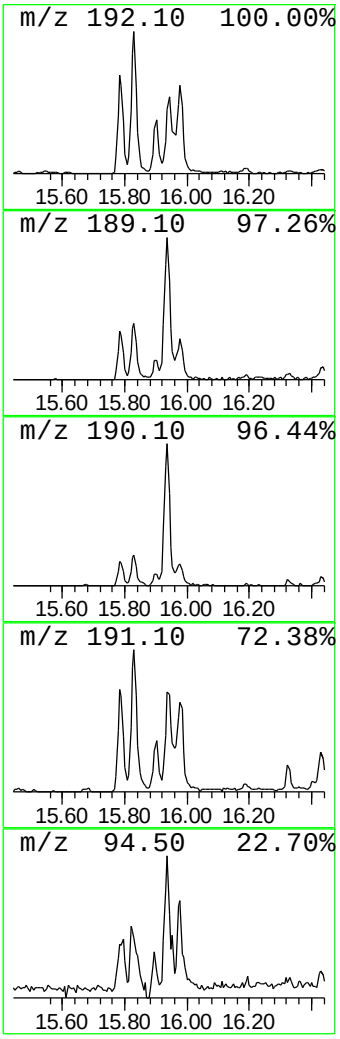
Peak Number 12 4H-Cyclopenta[def]phenanthrene Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.94	6.52 ng	146625	Phenanthrene-d10	15.01

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	70
2	Benzene, 1,1'-(2-cyclopropen-1-y...	192	C15H12	022825-21-4	14
3	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	11
4	Anthracene, 1-methyl-	192	C15H12	000610-48-0	11
5	Naphtho[2,3-b]norbornadiene	192	C15H12	107426-38-0	11





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Sample : I3281-01
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : R1-TP-1-SS-1

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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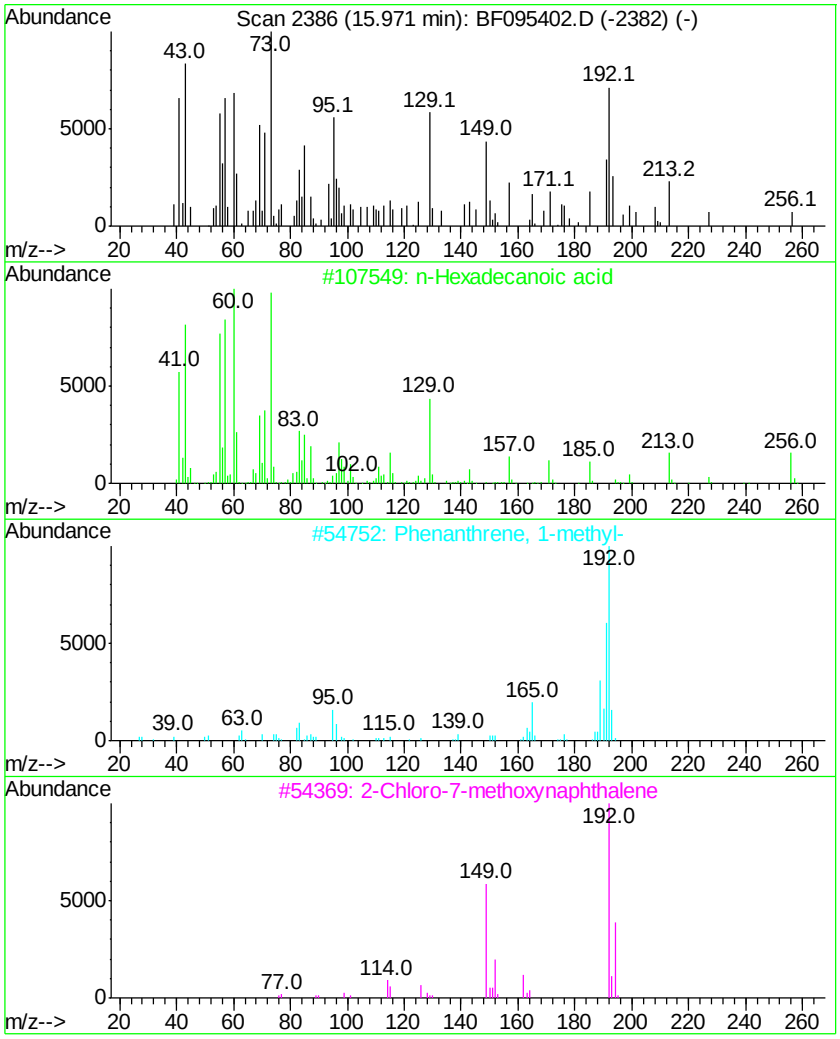
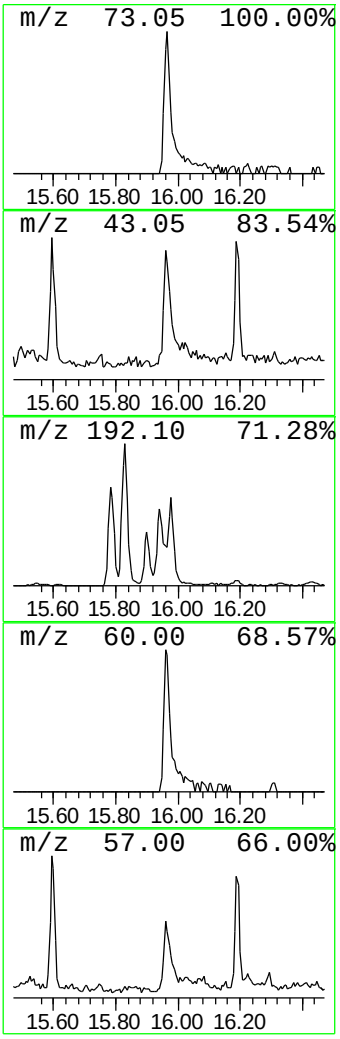
Peak Number 13 unknown15.97 Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.97	10.00 ng	224952	Phenanthrene-d10	15.01

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	20
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	20
3	2-Chloro-7-methoxynaphthalene	192	C11H9ClO	067061-67-0	14
4	11-Oxatetracyclo[4.2.1.1(2,5).1(...	192	C12H16O2	1000194-37-0	14
5	Lactose	342	C12H22O11	000063-42-3	11





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ClientSampleId : R1-TP-1-SS-1

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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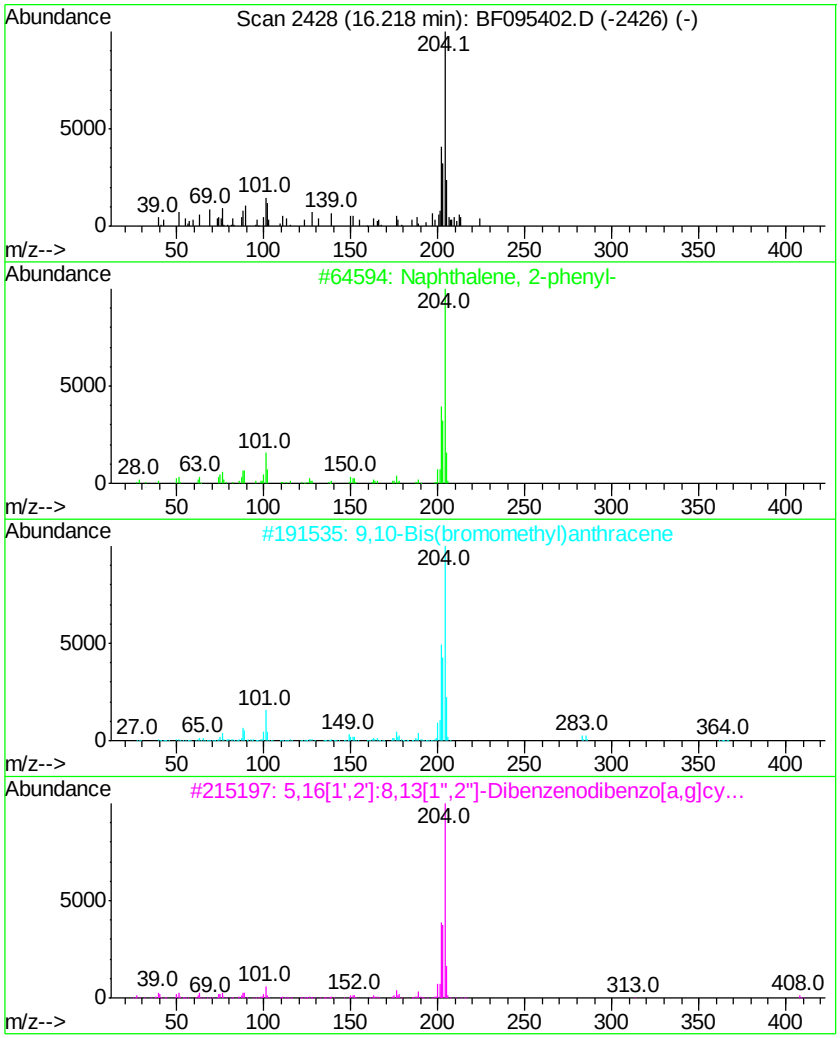
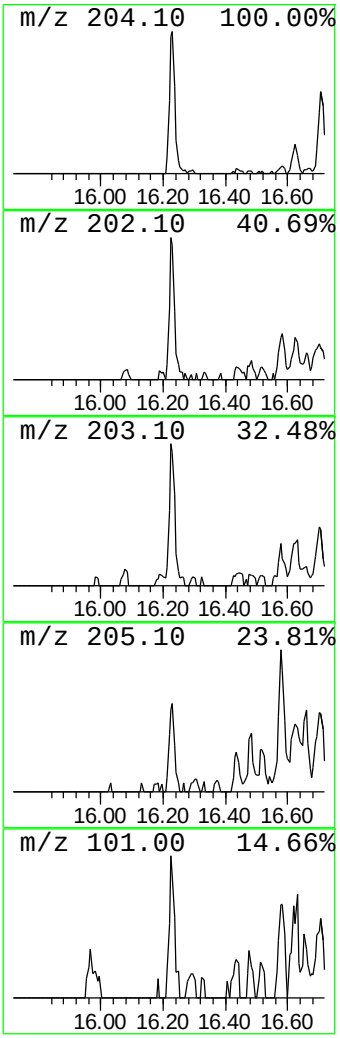
Peak Number 14 Naphthalene, 2-phenyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.22	4.23 ng	95061	Phenanthrene-d10	15.01

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	93
2	9,10-Bis(bromomethyl)anthracene	362	C16H12Br2	034373-96-1	87
3	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	78
4	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	64
5	[1,1'-Biphenyl]-2-ol, 5-chloro-	204	C12H9ClO	000607-12-5	49





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Operator : SJ/MA
Sample : I3281-01
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : R1-TP-1-SS-1

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF050217.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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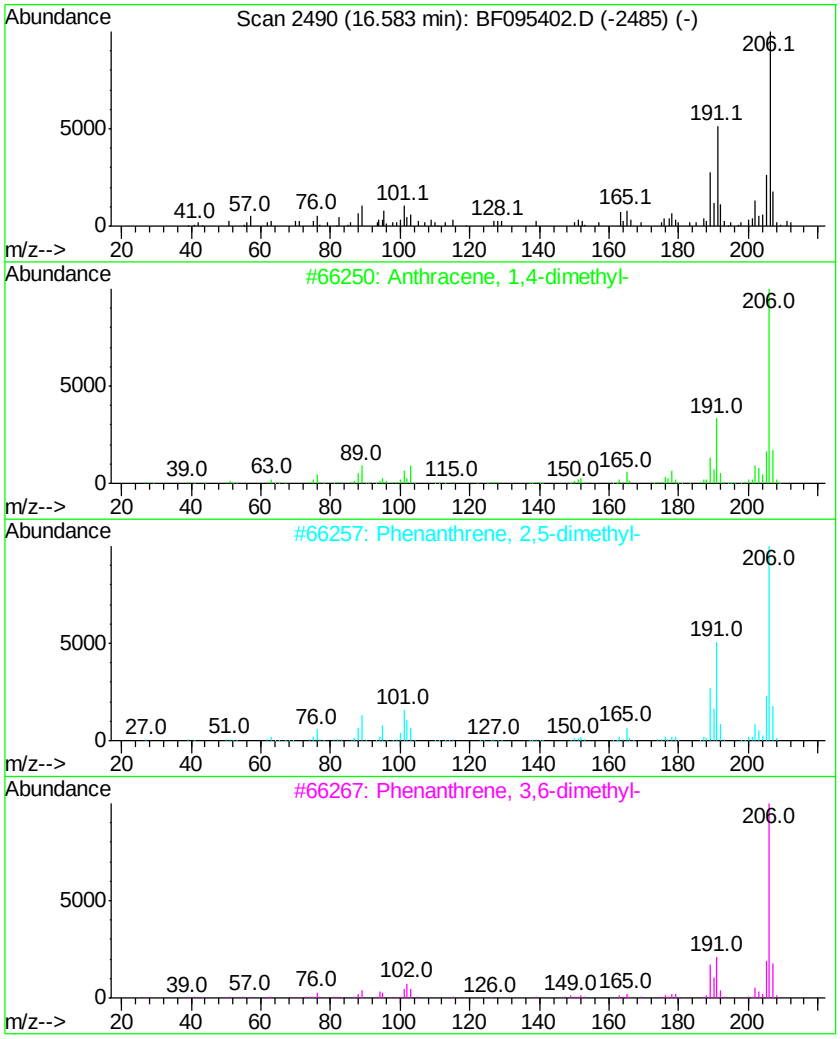
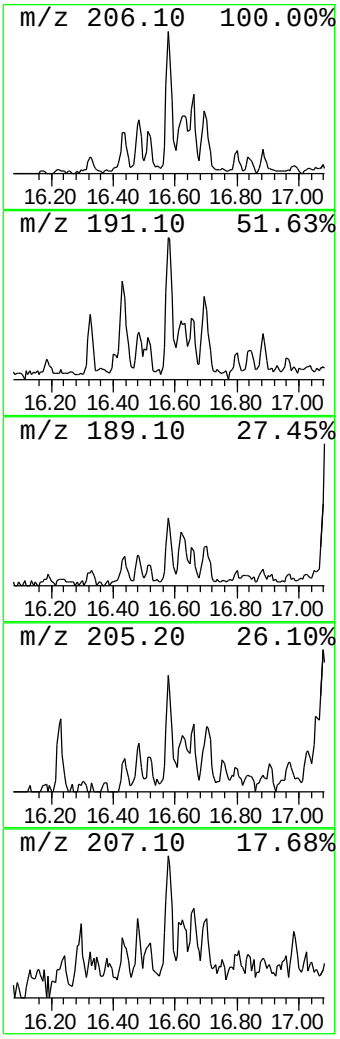
Peak Number 15 Anthracene, 1,4-dimethyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.58	5.19 ng	116826	Phenanthrene-d10	15.01

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 1,4-dimethyl-	206	C16H14	000781-92-0	93
2	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	93
3	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	93
4	di-p-Tolylacetylene	206	C16H14	002789-88-0	92
5	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	91





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ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_F
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TIC Integration Parameters: LSCINT.P

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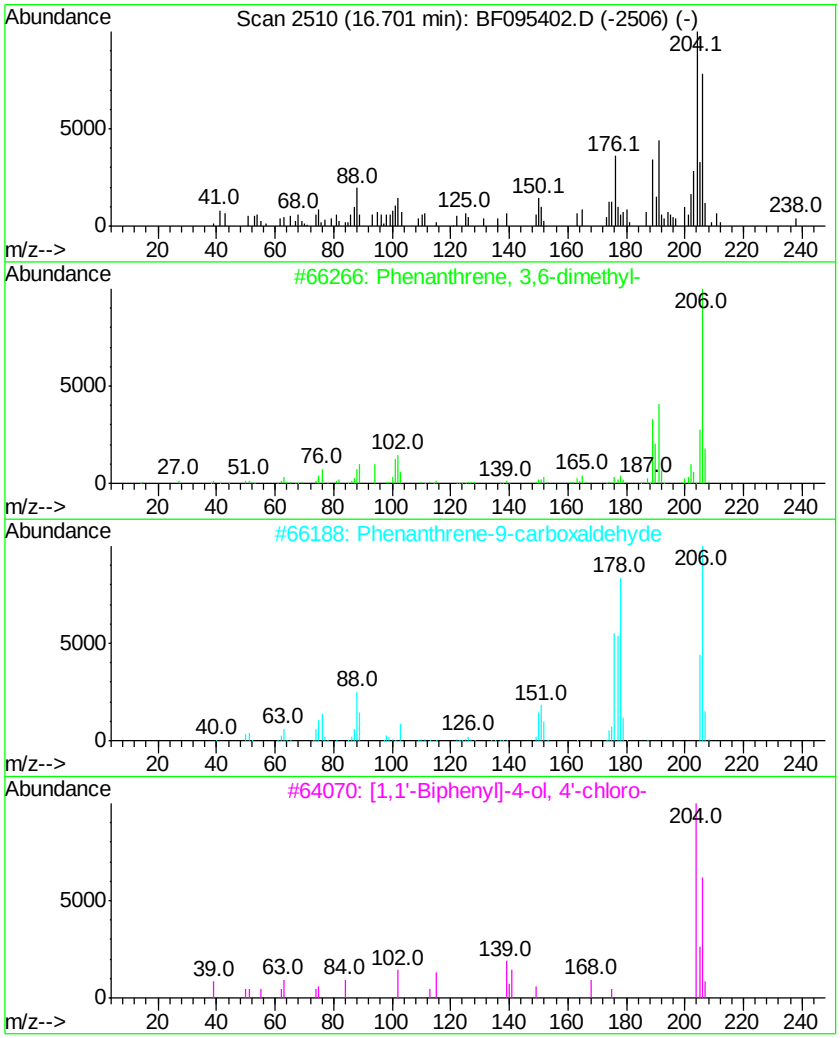
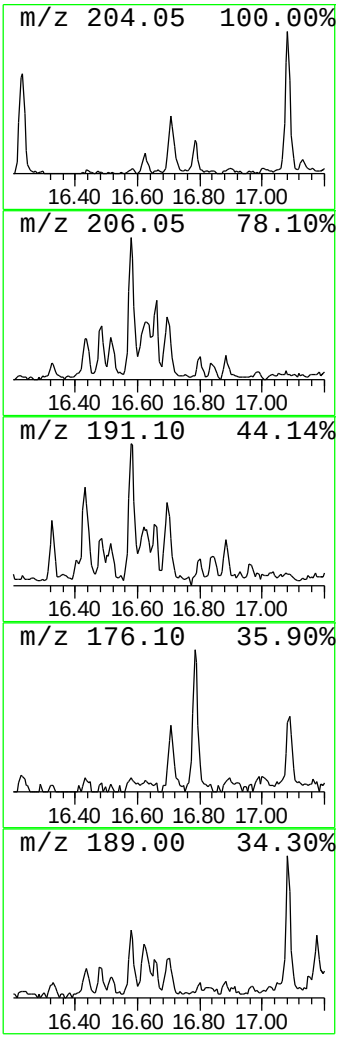
Peak Number 16 Phenanthrene, 3,6-dimethyl- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.70	4.20 ng	94377	Phenanthrene-d10	15.01

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	64
2	Phenanthrene-9-carboxaldehyde	206	C15H10O	004707-71-5	60
3	[1,1'-Biphenyl]-4-ol, 4'-chloro-	204	C12H9ClO	028034-99-3	60
4	Benzene, (2-methylene-1-phenylcy...	206	C16H14	025152-47-0	50
5	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	50





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Misc :
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Instrument : BNA_F
ClientSampleId : R1-TP-1-SS-1

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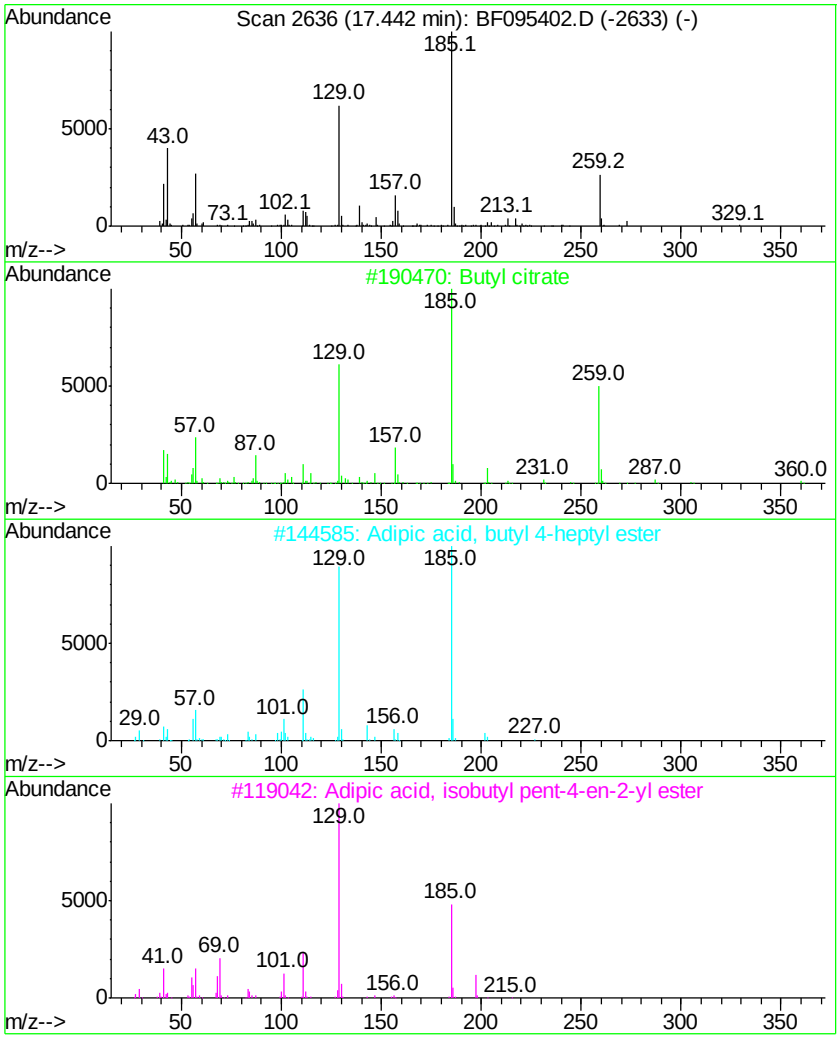
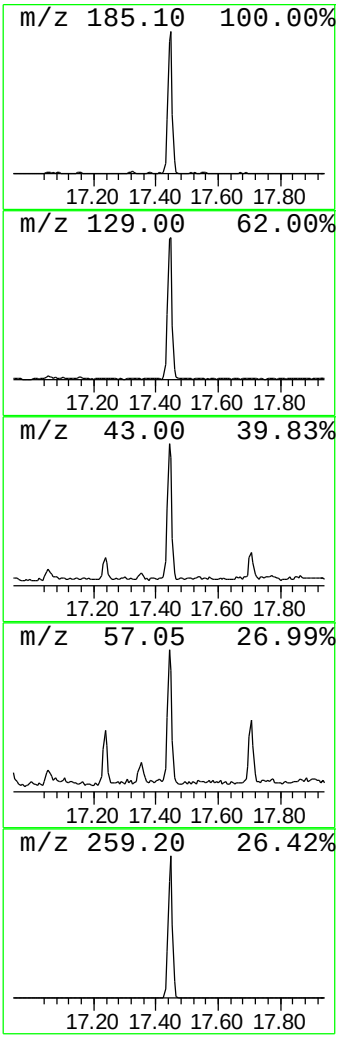
Peak Number 17 Butyl citrate Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.44	8.63 ng	445596	Chrysene-d12	18.68

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butyl citrate	360	C18H32O7	000077-94-1	64
2	Adipic acid, butyl 4-heptyl ester	300	C17H32O4	1000349-73-7	53
3	Adipic acid, isobutyl pent-4-en-...	270	C15H26O4	1000354-11-8	53
4	Sebacic acid, 3,3-dimethylbut-2-...	342	C20H38O4	1000355-59-6	43
5	Sebacic acid, isobutyl 4-methylp...	342	C20H38O4	1000355-34-9	43





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Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : R1-TP-1-SS-1

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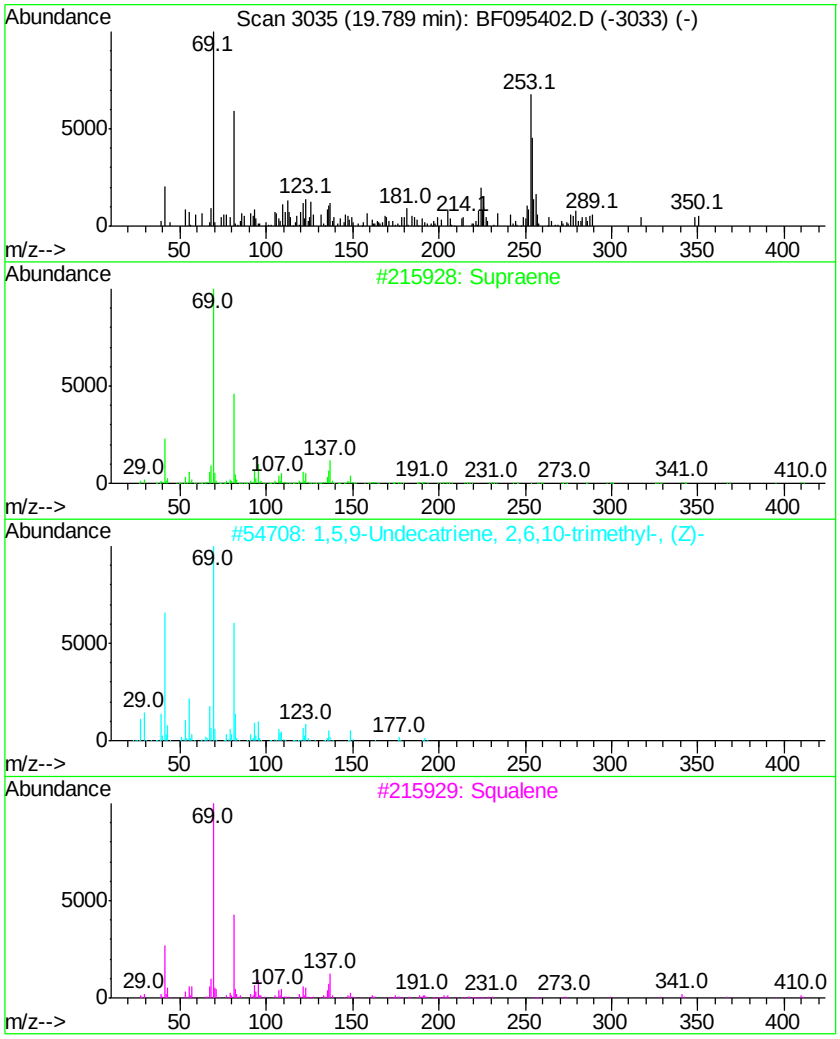
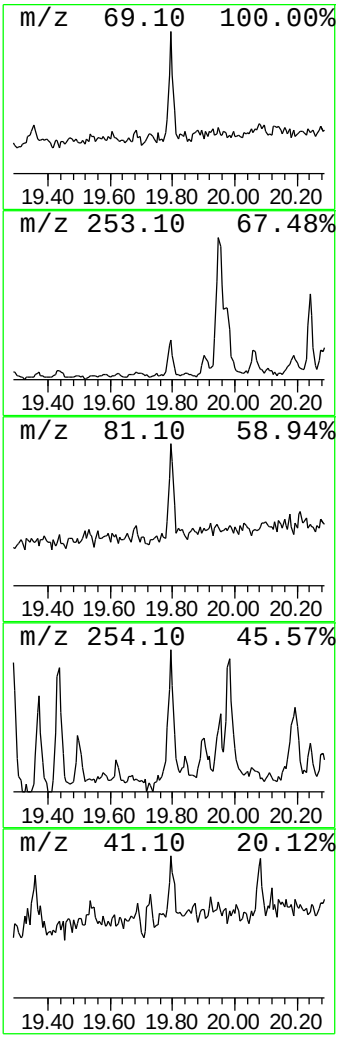
Peak Number 18 Supraene Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.79	5.36 ng	77778	Perylene-d12	20.36

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Supraene	410	C30H50	007683-64-9	38
2	1,5,9-Undecatriene, 2,6,10-trime...	192	C14H24	062951-96-6	30
3	Squalene	410	C30H50	000111-02-4	30
4	Cyclopentanecarboxamide, N-hepty...	323	C21H41NO	1000308-61-4	28
5	trans-Farnesol	222	C15H26O	000106-28-5	27





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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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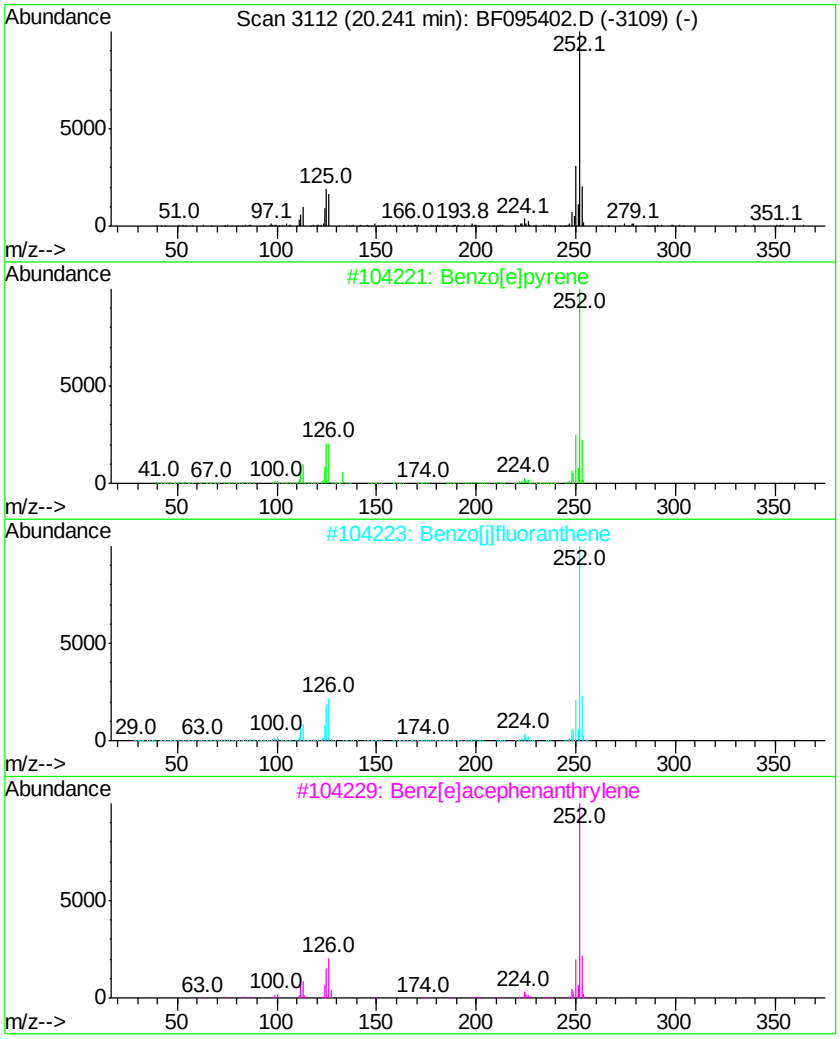
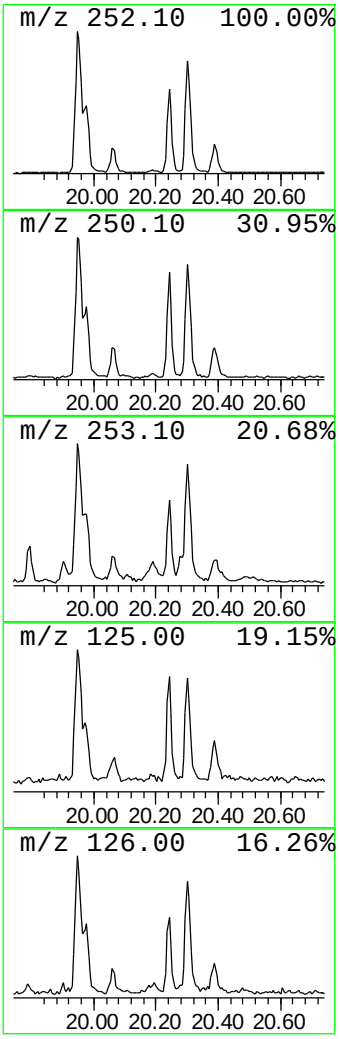
Peak Number 20 Benzo[e]pyrene Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.24	13.10 ng	190149	Perylene-d12	20.36

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	99
2	Benzo[j]fluoranthene	252	C20H12	000205-82-3	98
3	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	96
4	Perylene	252	C20H12	000198-55-0	94
5	Benzo[a]pyrene	252	C20H12	000050-32-8	92





Tentatively Identified Compound (LSC) summary

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Data File : BF095402.D
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Operator : SJ/MA
Sample : I3281-01
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : R1-TP-1-SS-1

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
2-Butenoic acid, ...	2.25	52.6	ng	1188140	1	7.75	451312	20.0
2-Pentanone, 4-hy...	5.10	8.8	ng	197566	1	7.75	451312	20.0
unknown7.42	7.42	90.0	ng	2032050	1	7.75	451312	20.0
Propanoic acid, 2...	13.38	194.1	ng	5939200	3	12.60	612063	20.0
Dibenzofuran, 4-m...	13.78	3.6	ng	111502	3	12.60	612063	20.0
Heptadecane	14.21	4.2	ng	94901	4	15.01	449854	20.0
Sulfurous acid, 2...	14.23	4.7	ng	105352	4	15.01	449854	20.0
1H-Cyclopropa[l]p...	15.78	5.2	ng	117247	4	15.01	449854	20.0
Phenanthrene, 2-m...	15.83	6.7	ng	150799	4	15.01	449854	20.0
4H-Cyclopenta[def...	15.94	6.5	ng	146625	4	15.01	449854	20.0
unknown15.97	15.97	10.0	ng	224952	4	15.01	449854	20.0
Naphthalene, 2-ph...	16.22	4.2	ng	95061	4	15.01	449854	20.0
Anthracene, 1,4-d...	16.58	5.2	ng	116826	4	15.01	449854	20.0
Phenanthrene, 3,6...	16.70	4.2	ng	94377	4	15.01	449854	20.0
Butyl citrate	17.44	8.6	ng	445596	5	18.68	1032910	20.0
Supraene	19.79	5.4	ng	77778	6	20.36	290209	20.0
Benzo[e]pyrene	20.24	13.1	ng	190149	6	20.36	290209	20.0