LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF052217\
Data File : BF095327.D
Acq On : 22 May 2017 22:10
Operator : SJ/MA
Sample : I3278-07
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : RT-4632

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	3.472	256	261	270	rBV2	8824	25553	1.16%	0.097%
2	5.125	538	542	559	rBV	74994	190166	8.60%	0.723%
3	5.725	640	644	676	rBV	754387	1735324	78.48%	6.595%
4	7.301	908	912	928	rBV	914794	1702437	77.00%	6.470%
5	7.425	928	933	948	rVB	1258109	2074025	93.80%	7.882%
6	7.760	986	990	1002	rVB	366501	474225	21.45%	1.802%
7	7.995	1025	1030	1053	rBV	1223705	1509886	68.29%	5.738%
8	8.660	1138	1143	1179	rBV	616200	1163722	52.63%	4.423%
9	9.777	1329	1333	1353	rBV	385104	698827	31.61%	2.656%
10	11.101	1554	1558	1569	rBV	15442	28933	1.31%	0.110%
11	11.548	1629	1634	1655	rBV	1610404	2211066	100.00%	8.403%
12	12.083	1719	1725	1730	rBV	44217	68975	3.12%	0.262%
13	12.124	1730	1732	1740	rVB	24272	34267	1.55%	0.130%
14	12.248	1749	1753	1772	rVB	121431	240078	10.86%	0.912%
15	12.389	1772	1777	1785	rVB2	27397	40824	1.85%	0.155%
16	12.607	1809	1814	1819	rBV2	556364	763454	34.53%	2.901%
17	12.660	1819	1823	1833	rVB	440675	602488	27.25%	2.290%
18	12.877	1856	1860	1866	rVB2	24226	31643	1.43%	0.120%
19	12.960	1870	1874	1885	rBV	97996	188245	8.51%	0.715%
20	13.048	1885	1889	1896	rVB	19047	27126	1.23%	0.103%
21	13.154	1903	1907	1912	rVB3	18765	25512	1.15%	0.097%
22	13.442	1952	1956	1960	rBV2	31162	37792	1.71%	0.144%
23	13.507	1960	1967	1977	rVV2	340949	476189	21.54%	1.810%
24	13.595	1977	1982	1988	rVV3	66017	135979	6.15%	0.517%
25	13.642	1988	1990	1995	rVV3	47897	66201	2.99%	0.252%
26	13.689	1995	1998	2001	rVV	21727	26865	1.22%	0.102%
27	13.724	2001	2004	2009	rVV	25330	35084	1.59%	0.133%
28	13.783	2009	2014	2023	rVV2	57968	87349	3.95%	0.332%
29	13.907	2030	2035	2046	rBV2	669739	1094492	49.50%	4.160%
30	14.212	2084	2087	2090	rBV2	31371	36957	1.67%	0.140%
31	14.407	2113	2120	2125	rBV2	51607	96442	4.36%	0.367%
32	14.536	2137	2142	2147	rVB4	23384	40894	1.85%	0.155%
33	14.630	2154	2158	2162	rBV4	22519	36685	1.66%	0.139%
34	14.689	2166	2168	2174	rVV5	14386	23007	1.04%	0.087%

LSC Area Percent Report

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Operator : SJ/MA
Sample : I3278-07
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : RT-4632

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	14.748	2174	2178	2183	rVB3	14210	22826	1.03%	0.087%
36	14.807	2183	2188	2192	rBV4	26462	42787	1.94%	0.163%
37	14.848	2192	2195	2200	rVB	41612	47283	2.14%	0.180%
38	15.012	2218	2223	2226	rVV	391051	528414	23.90%	2.008%
39	15.048	2226	2229	2240	rVV	726029	927805	41.96%	3.526%
40	15.136	2240	2244	2255	rVB	200713	294548	13.32%	1.119%
41	15.230	2255	2260	2266	rBV3	17042	29914	1.35%	0.114%
42	15.454	2294	2298	2302	rBV5	16687	29101	1.32%	0.111%
43	15.495	2302	2305	2310	rVV	19534	26571	1.20%	0.101%
44	15.795	2352	2356	2360	rBV	82612	97393	4.40%	0.370%
45	15.836	2360	2363	2371	rVV	103984	145162	6.57%	0.552%
46	15.906	2371	2375	2378	rVV2	48967	70248	3.18%	0.267%
47	15.942	2378	2381	2387	rVV2	183768	330268	14.94%	1.255%
48	15.983	2387	2388	2402	rVB	65705	92489	4.18%	0.351%
49	16.236	2427	2431	2438	rVB	56956	67132	3.04%	0.255%
50	16.442	2462	2466	2470	rBV2	19610	23003	1.04%	0.087%
51	16.589	2485	2491	2495	rBV	36595	45131	2.04%	0.172%
52	16.630	2495	2498	2502	rVV2	23537	32141	1.45%	0.122%
53	16.712	2507	2512	2520	rVB3	45097	68495	3.10%	0.260%
54	16.789	2520	2525	2538	rBV	1010114	1221730	55.26%	4.643%
55	16.989	2554	2559	2562	rBV	21986	26645	1.21%	0.101%
56	17.089	2572	2576	2582	rBV	837965	1025532	46.38%	3.897%
57	17.183	2587	2592	2600	rVB2	21694	48108	2.18%	0.183%
58	17.283	2605	2609	2612	rBV2	44980	56050	2.53%	0.213%
59	17.330	2612	2617	2625	rVV	1148024	1410346	63.79%	5.360%
60	17.418	2625	2632	2636	rVB2	45650	97725	4.42%	0.371%
61	17.524	2645	2650	2652	rBV2	47380	64367	2.91%	0.245%
62	17.553	2652	2655	2662	rVB	125599	162346	7.34%	0.617%
63	17.642	2666	2670	2674	rBV	131880	149483	6.76%	0.568%
64	17.689	2674	2678	2688	rBV3	83775	163667	7.40%	0.622%
65	17.812	2696	2699	2703	rVB	30011	33964	1.54%	0.129%
66	17.848	2703	2705	2711	rBV3	18240	31045	1.40%	0.118%
67	18.200	2761	2765	2770	rBV4	20392	36203	1.64%	0.138%
68	18.253	2770	2774	2777	rVV2	16854	25532	1.15%	0.097%
69	18.365	2789	2793	2795	rBV	39015	48344	2.19%	0.184%
70	18.389	2795	2797	2801	rVV	56642	64775	2.93%	0.246%
71	18.424	2801	2803	2807	rVV	41394	48388	2.19%	0.184%

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Misc :
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Instrument : BNA_F
ClientSampleId : RT-4632

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
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Peak separation: 5

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

72	18.465	2807	2810	2816	rVB2	23553	30460	1.38%	0.116%
73	18.536	2818	2822	2825	rBV2	30329	39596	1.79%	0.150%
74	18.583	2825	2830	2835	rBV2	22603	37130	1.68%	0.141%
75	18.677	2841	2846	2850	rBV2	549043	878165	39.72%	3.337%
76	18.712	2850	2852	2864	rVB	189413	323664	14.64%	1.230%
77	18.812	2864	2869	2877	rVB	66813	93268	4.22%	0.354%
78	18.971	2893	2896	2900	rBV3	22274	27600	1.25%	0.105%
79	19.189	2928	2933	2938	rBV	43519	66042	2.99%	0.251%
80	19.236	2938	2941	2945	rVB3	23430	26117	1.18%	0.099%
81	19.306	2948	2953	2956	rBV6	20183	37419	1.69%	0.142%
82	19.342	2956	2959	2962	rBV5	17339	23168	1.05%	0.088%
83	19.800	3033	3037	3042	rVV2	78300	97826	4.42%	0.372%
84	19.953	3059	3063	3066	rBV	148187	210490	9.52%	0.800%
85	20.077	3080	3084	3090	rVB2	20610	32011	1.45%	0.122%
86	20.247	3110	3113	3116	rVB	76943	79381	3.59%	0.302%
87	20.306	3120	3123	3128	rVV	93703	110190	4.98%	0.419%
88	20.359	3128	3132	3141	rVV	326050	499259	22.58%	1.897%
89	20.430	3141	3144	3149	rVB7	22311	35546	1.61%	0.135%

Sum of corrected areas: 26313005

LSC Report - Integrated Chromatogram

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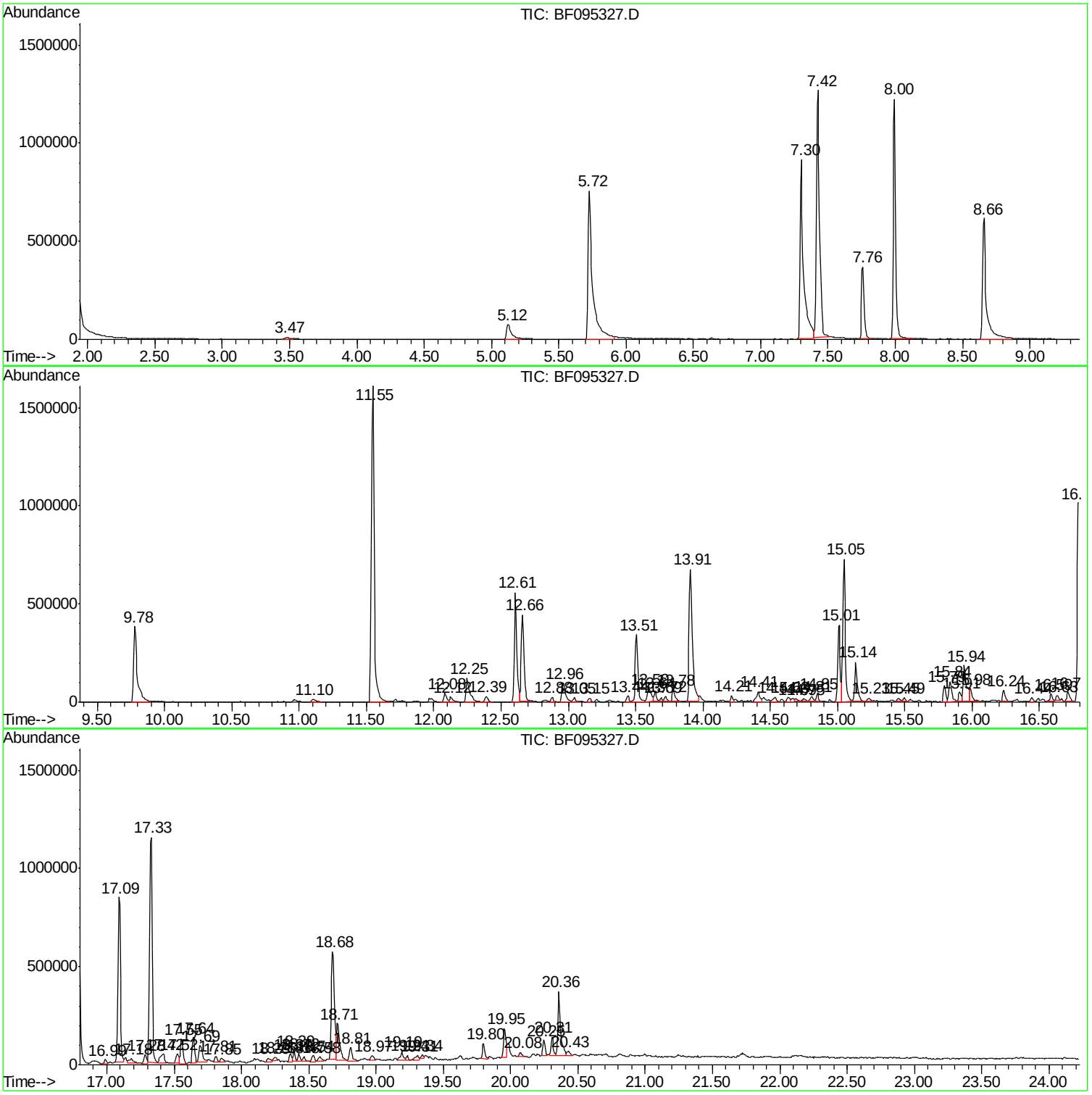
Sample : I3278-07
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : RT-4632

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



Data Path : Z:\HPCHEM1\BNA F\DATA\BF052217\
Data File : BF095327.D
Acq On : 22 May 2017 22:10
Operator : SJ/MA
Sample : I3278-07
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : RT-4632

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

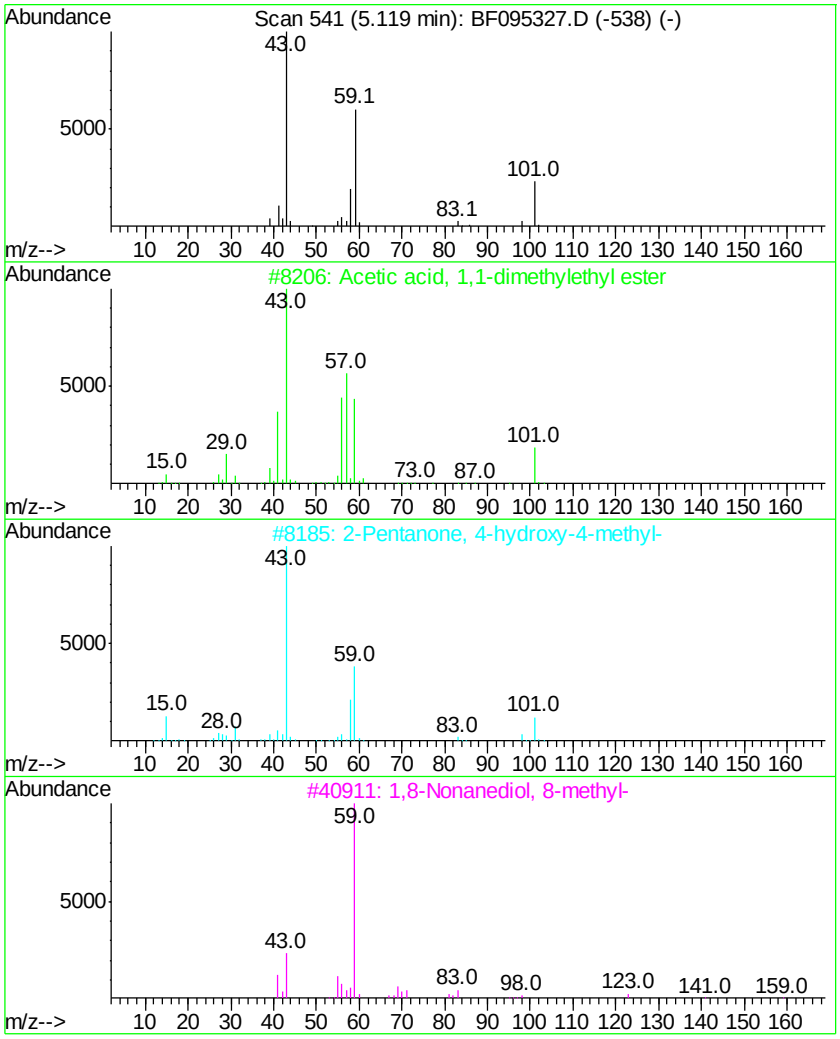
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

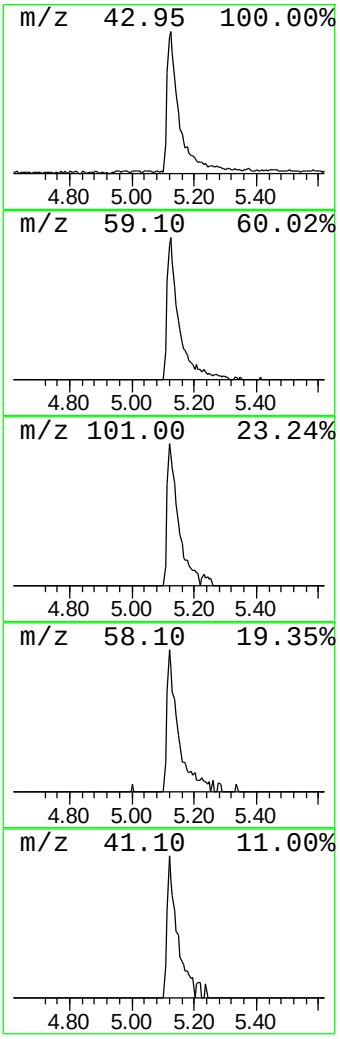
****

Peak Number 1 unknown5.12 Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.12	8.02 ng	190166	1,4-Dichlorobenzene-d4	7.76

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Acetic acid, 1,1-dimethylethyl e...	116	C6H12O2	000540-88-5	39
2	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	38
3	1,8-Nonanediol, 8-methyl-	174	C10H22O2	054725-73-4	17
4	Butyl aldoxime, 3-methyl-, syn-	101	C5H11NO	005780-40-5	12
5	Acetone	58	C3H6O	000067-64-1	9





Data Path : Z:\HPCHEM1\BNA F\DATA\BF052217\
Data File : BF095327.D
Acq On : 22 May 2017 22:10
Operator : SJ/MA
Sample : I3278-07
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : RT-4632

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

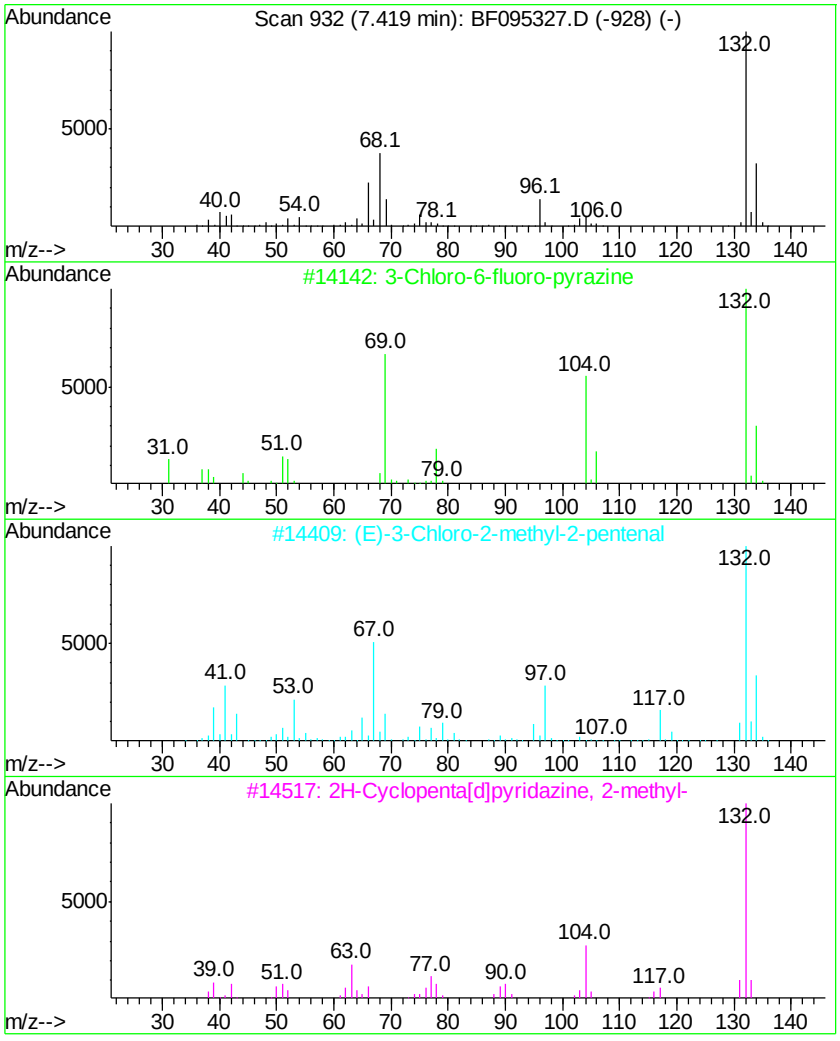
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

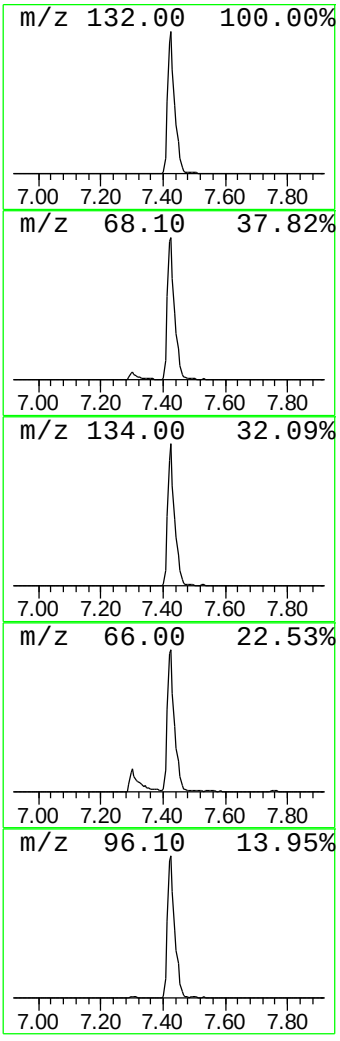
****

Peak Number 2 unknown7.42 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.42	87.47 ng	2074030	1,4-Dichlorobenzene-d4	7.76

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	2H-Cyclopenta[d]pyridazine, 2-me...	132	C8H8N2	022291-85-6	9
4	4-Chloro-6-fluoro-pyrimidine	132	C4H2ClFN2	051422-01-6	9
5	1H-Benzimidazole, 2-methyl-	132	C8H8N2	000615-15-6	9





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF052217\
Data File : BF095327.D
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Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : RT-4632

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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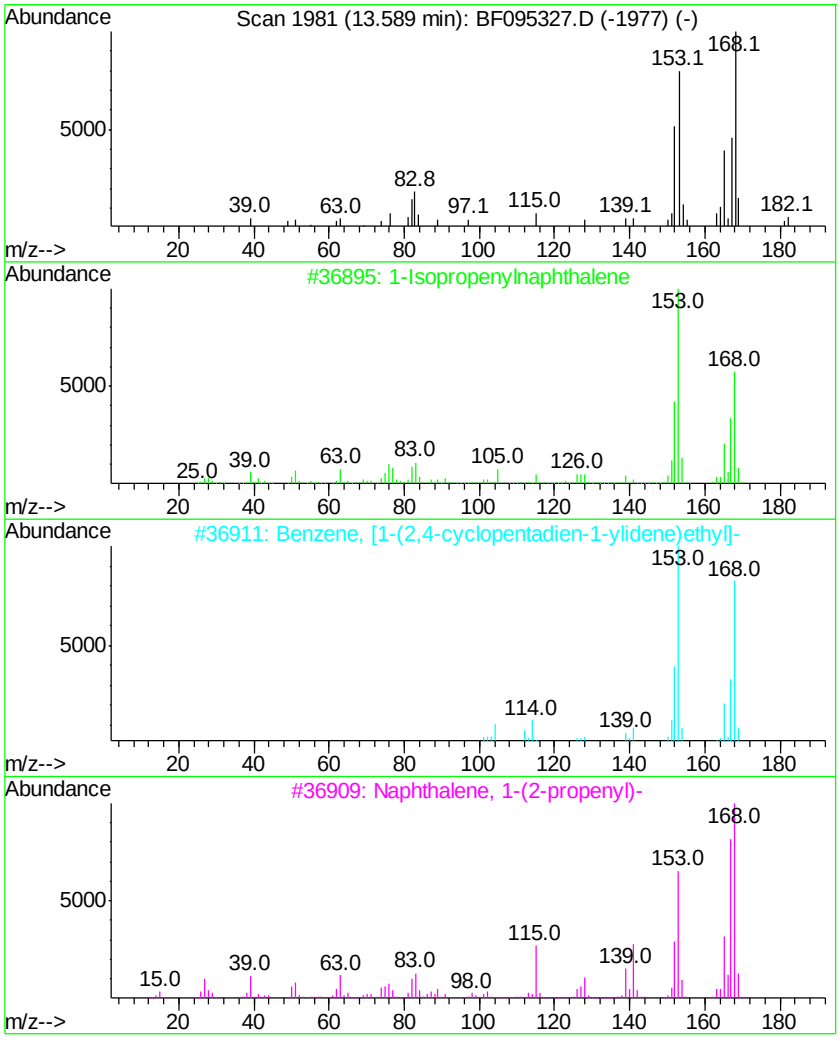
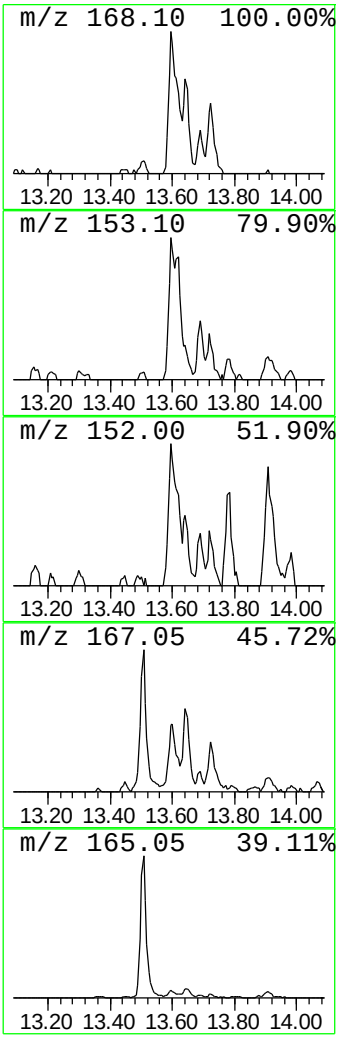
Peak Number 4 1-Isopropenylnaphthalene Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.59	3.56 ng	135979	Acenaphthene-d10	12.61

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Isopropenylnaphthalene	168	C13H12	001855-47-6	91
2	Benzene, [1-(2,4-cyclopentadien-...	168	C13H12	002320-32-3	58
3	Naphthalene, 1-(2-propenyl)-	168	C13H12	002489-86-3	53
4	1,1'-Biphenyl, 3-methyl-	168	C13H12	000643-93-6	52
5	1,1'-Biphenyl, 4-methyl-	168	C13H12	000644-08-6	43





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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

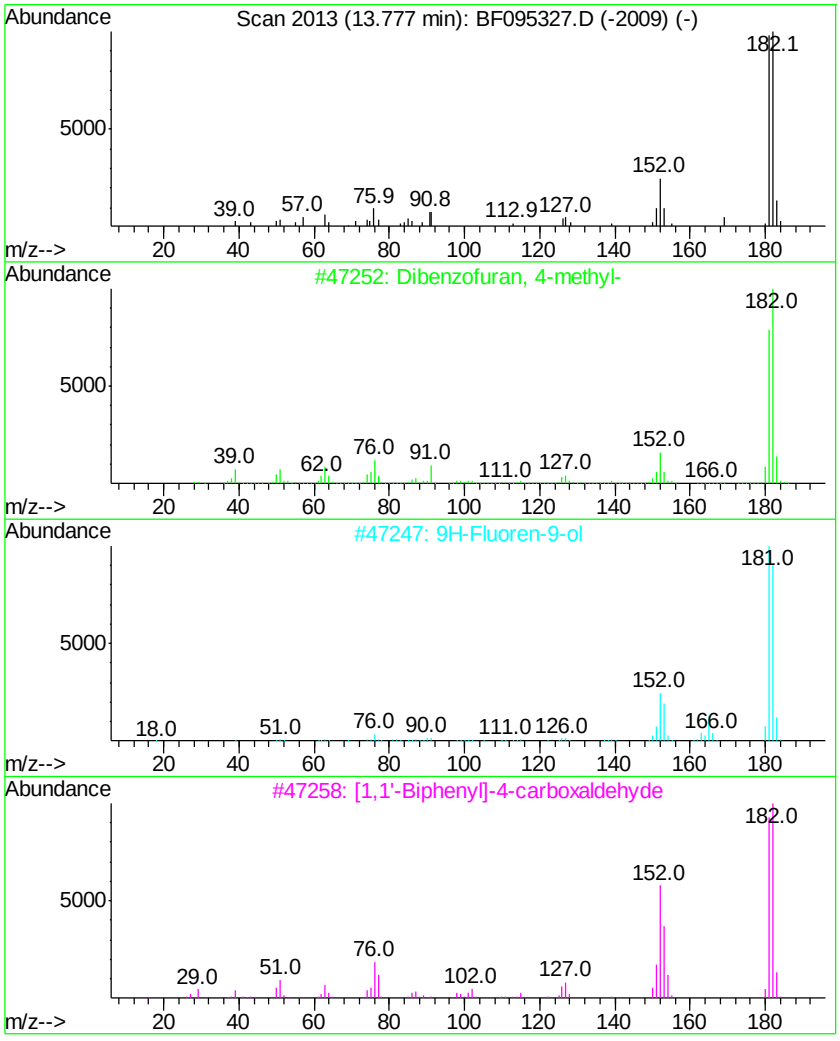
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

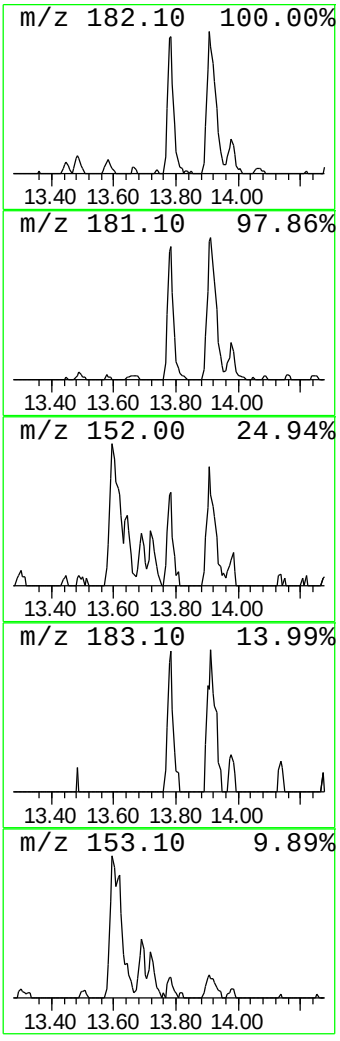
****

Peak Number 5 Dibenzofuran, 4-methyl- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.78	2.29 ng	87349	Acenaphthene-d10	12.61

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzofuran, 4-methyl-	182	C13H10O	007320-53-8	91
2	9H-Fluoren-9-ol	182	C13H10O	001689-64-1	86
3	[1,1'-Biphenyl]-4-carboxaldehyde	182	C13H10O	003218-36-8	78
4	Pyrido[2,3-b]indole, 6-methyl-	182	C12H10N2	108349-67-3	64
5	2-Hydroxyfluorene	182	C13H10O	002443-58-5	59





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Instrument : BNA_F
ClientSampleId : RT-4632

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

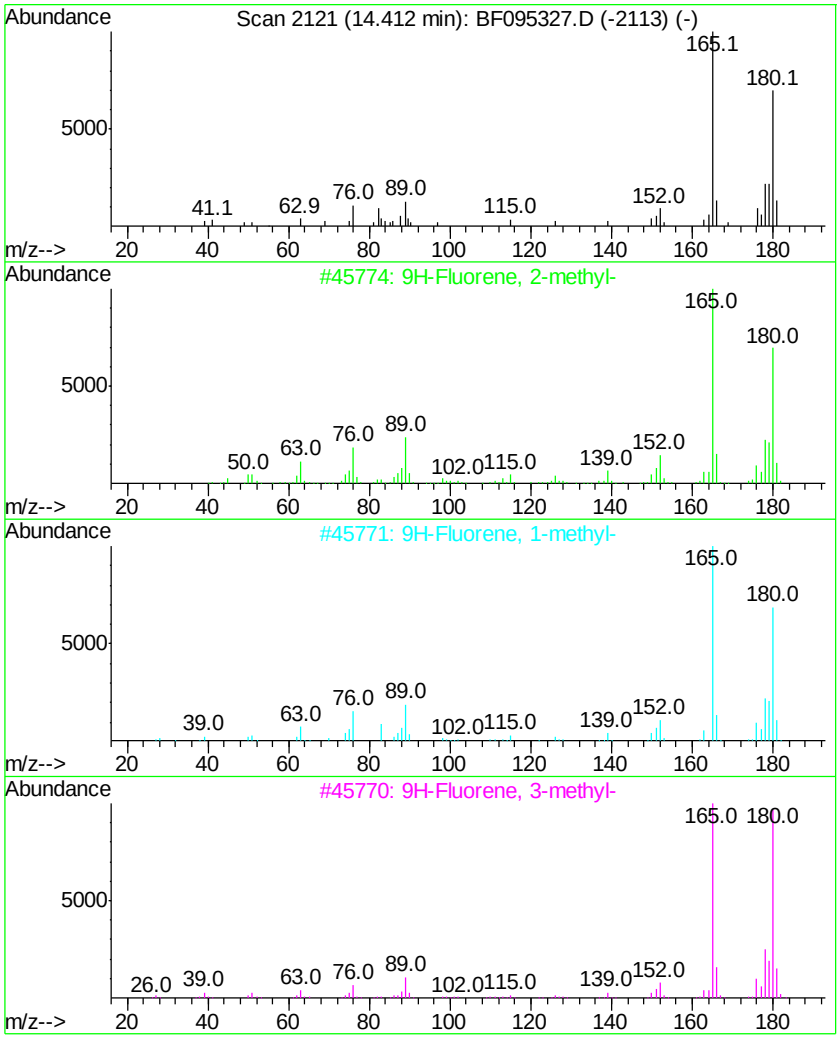
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

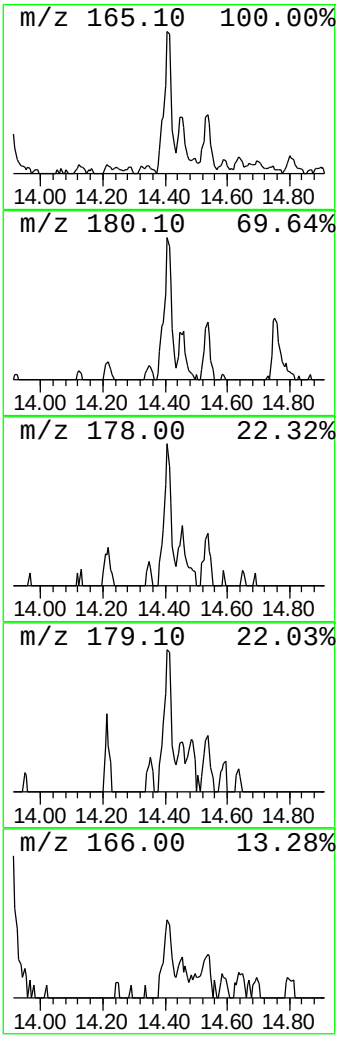
****

Peak Number 6 9H-Fluorene, 2-methyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.41	3.65 ng	96442	Phenanthrene-d10	15.01

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluorene, 2-methyl-	180	C14H12	001430-97-3	96
2	9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	95
3	9H-Fluorene, 3-methyl-	180	C14H12	002523-39-9	93
4	9H-Fluorene, 9-methyl-	180	C14H12	002523-37-7	91
5	(3H)Benzo[c]pyrrole, 3-methyl-3-...	208	C14H12N2	059341-20-7	87





Data Path : Z:\HPCHEM1\BNA F\DATA\BF052217\
Data File : BF095327.D
Acq On : 22 May 2017 22:10
Operator : SJ/MA
Sample : I3278-07
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : RT-4632

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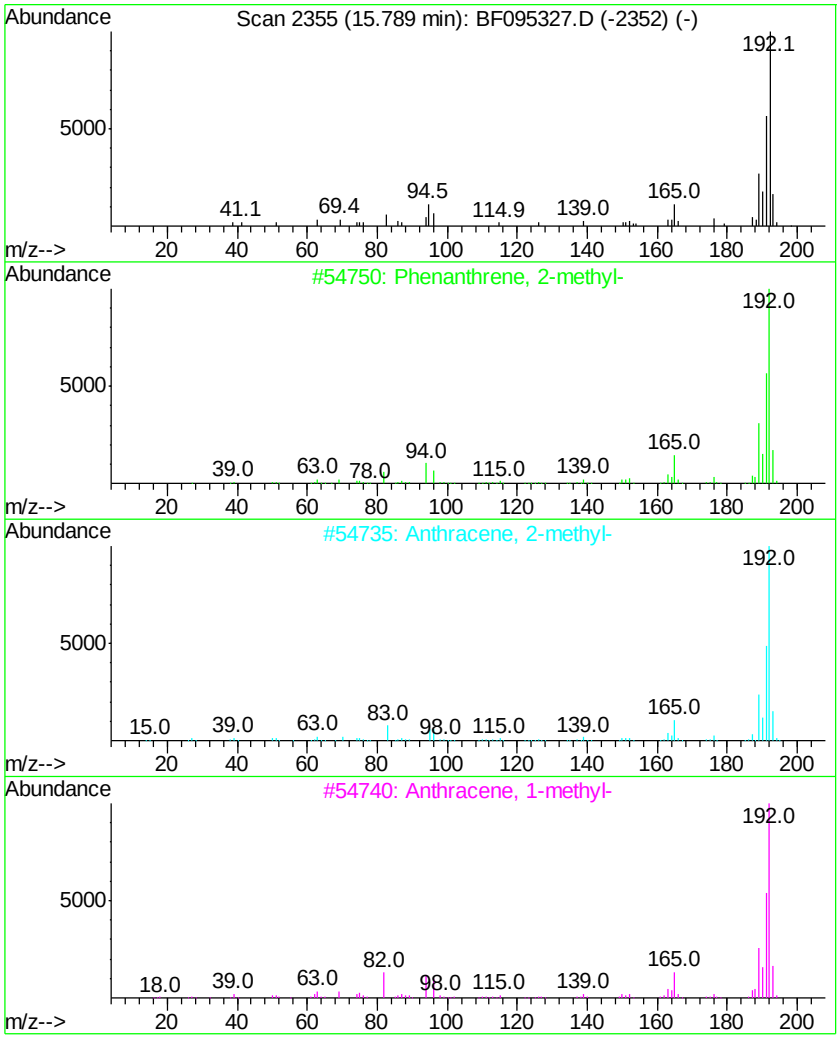
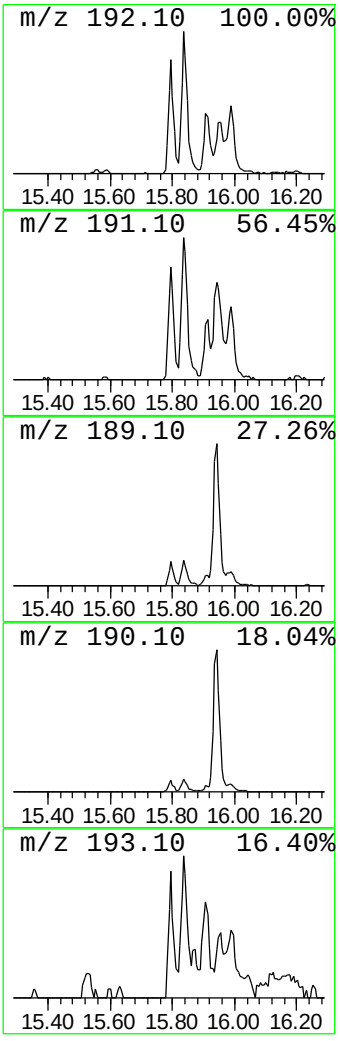
Peak Number 7 Phenanthrene, 2-methyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.79	3.69 ng	97393	Phenanthrene-d10	15.01

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
2	Anthracene, 2-methyl-	192	C15H12	000613-12-7	94
3	Anthracene, 1-methyl-	192	C15H12	000610-48-0	93
4	Anthracene, 9-methyl-	192	C15H12	000779-02-2	93
5	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	89





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Acq On : 22 May 2017 22:10
Operator : SJ/MA
Sample : I3278-07
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : RT-4632

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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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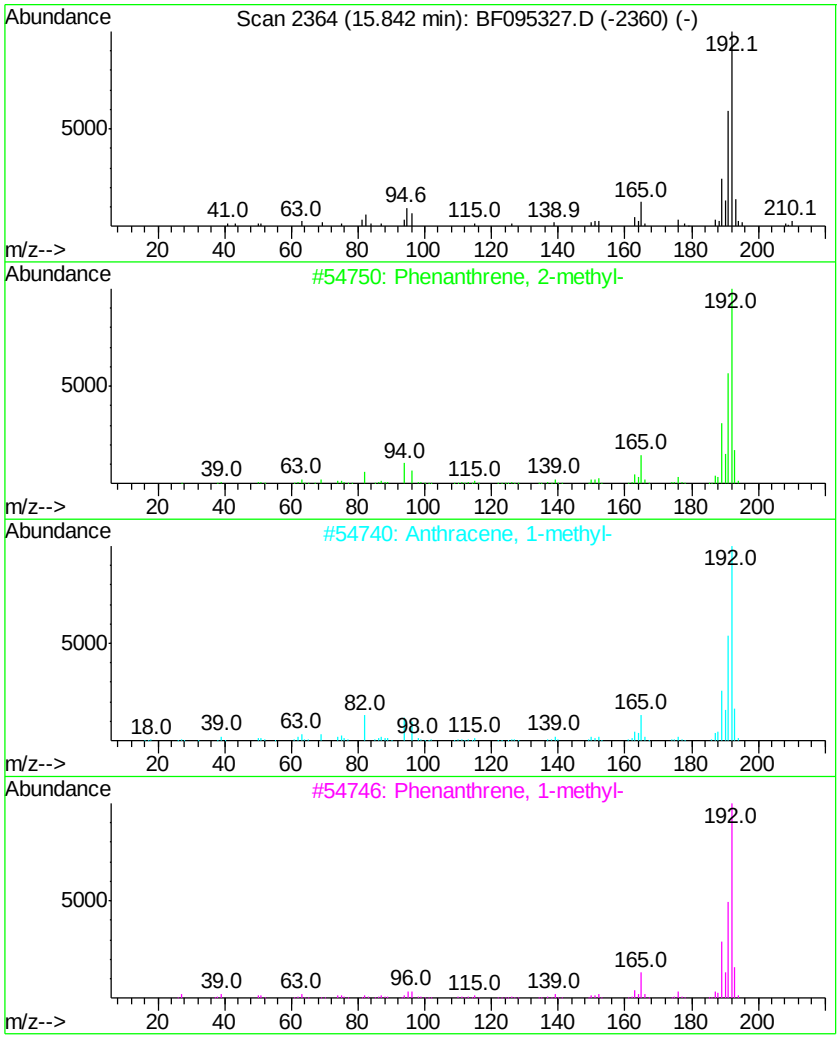
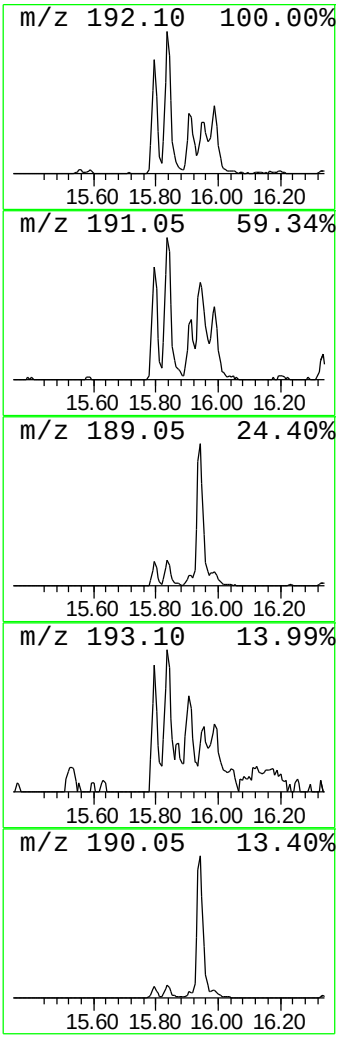
Peak Number 8 Anthracene, 1-methyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.84	5.49 ng	145162	Phenanthrene-d10	15.01

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	98
2	Anthracene, 1-methyl-	192	C15H12	000610-48-0	96
3	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	96
4	Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
5	Phenanthrene, 3-methyl-	192	C15H12	000832-71-3	93





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Instrument : BNA_F
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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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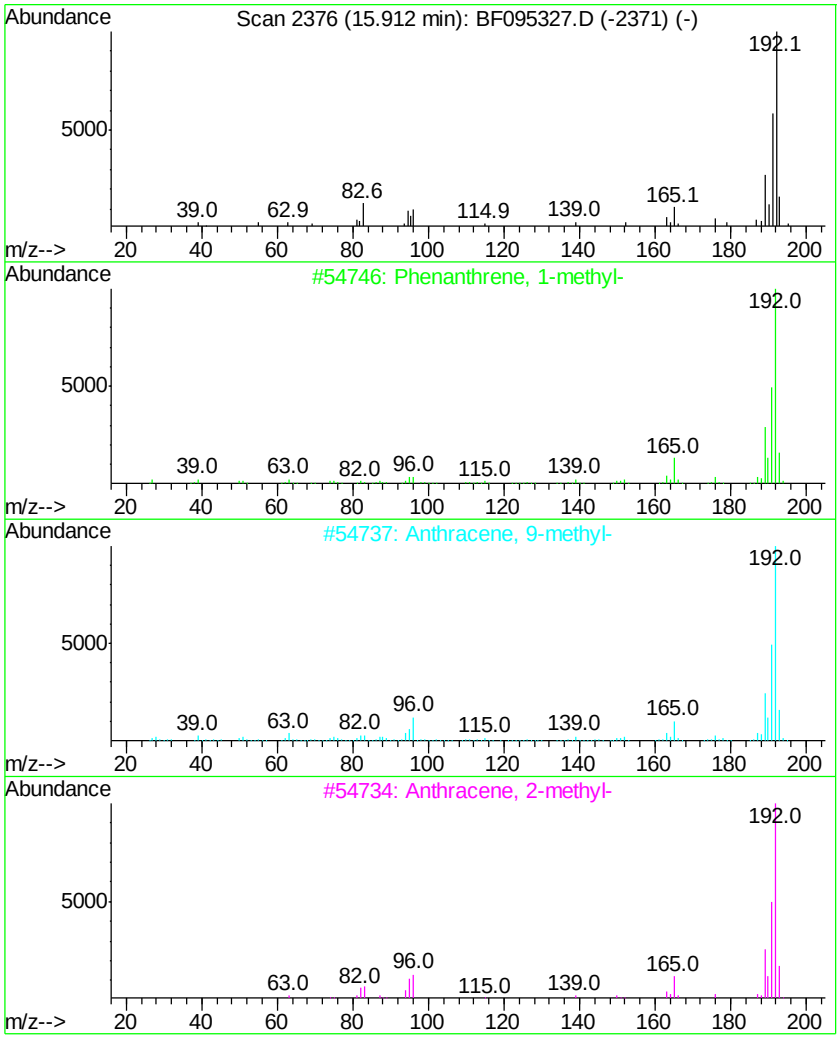
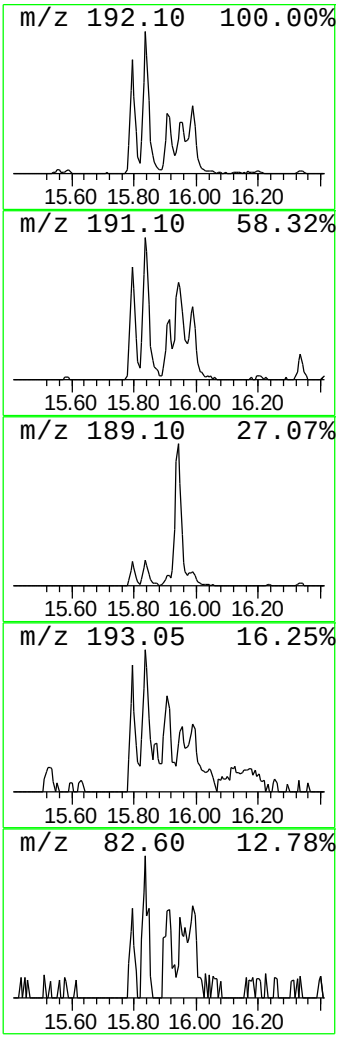
Peak Number 9 Phenanthrene, 1-methyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.91	2.66 ng	70248	Phenanthrene-d10	15.01

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	96
2	Anthracene, 9-methyl-	192	C15H12	000779-02-2	96
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
4	Anthracene, 1-methyl-	192	C15H12	000610-48-0	96
5	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	95





Library Search Compound Report

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Sample : I3278-07
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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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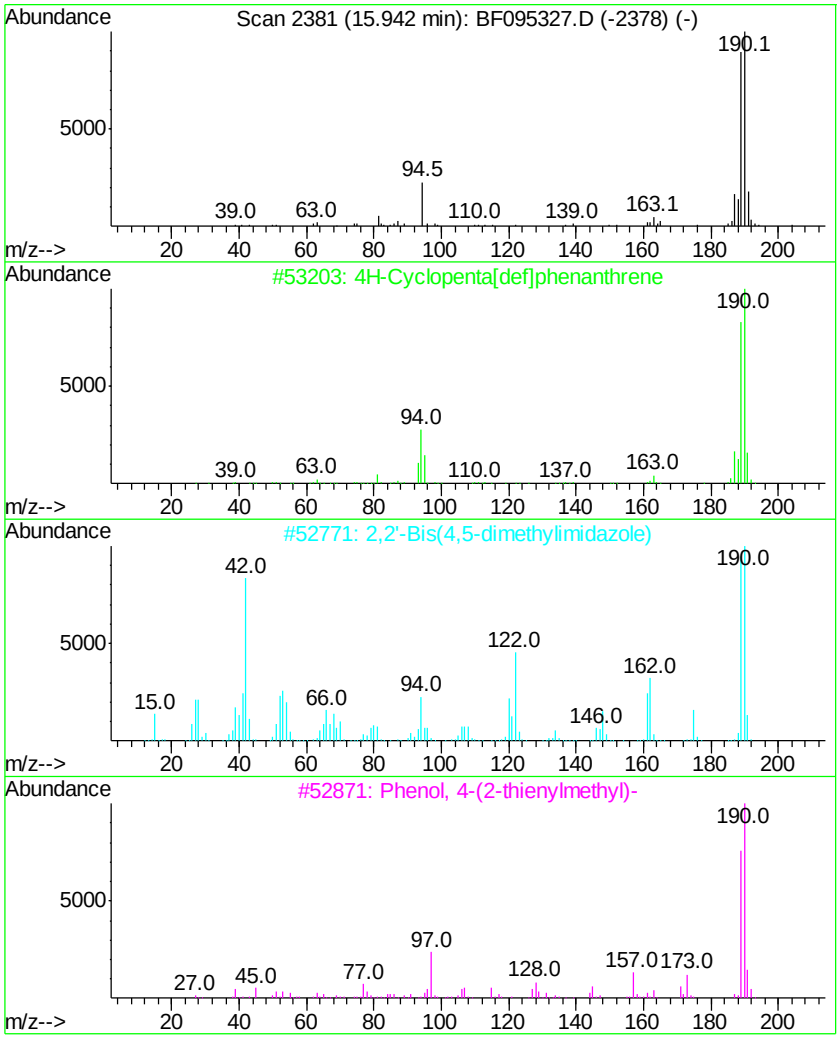
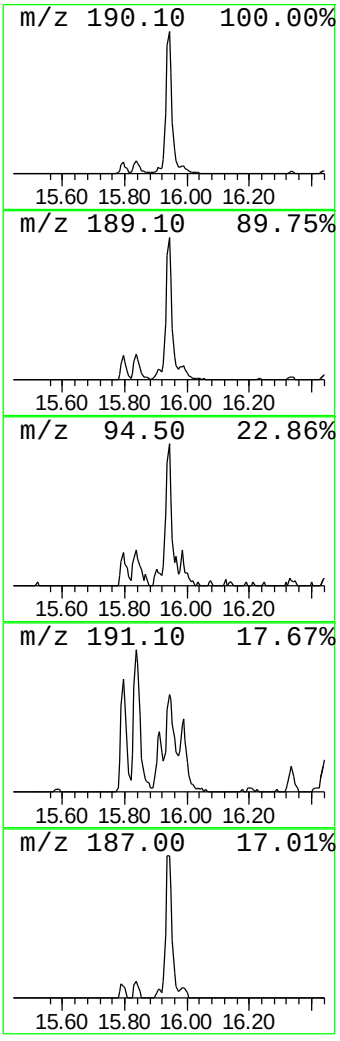
Peak Number 10 4H-Cyclopenta[def]phenanthrene Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.94	12.50 ng	330268	Phenanthrene-d10	15.01

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	93
2	2,2'-Bis(4,5-dimethylimidazole)	190	C10H14N4	069286-06-2	72
3	Phenol, 4-(2-thienylmethyl)-	190	C11H10OS	091680-55-6	64
4	1,4-Naphthalenedione, 5,8-dihydr...	190	C10H6O4	000475-38-7	38
5	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	32





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ClientSampleId : RT-4632

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

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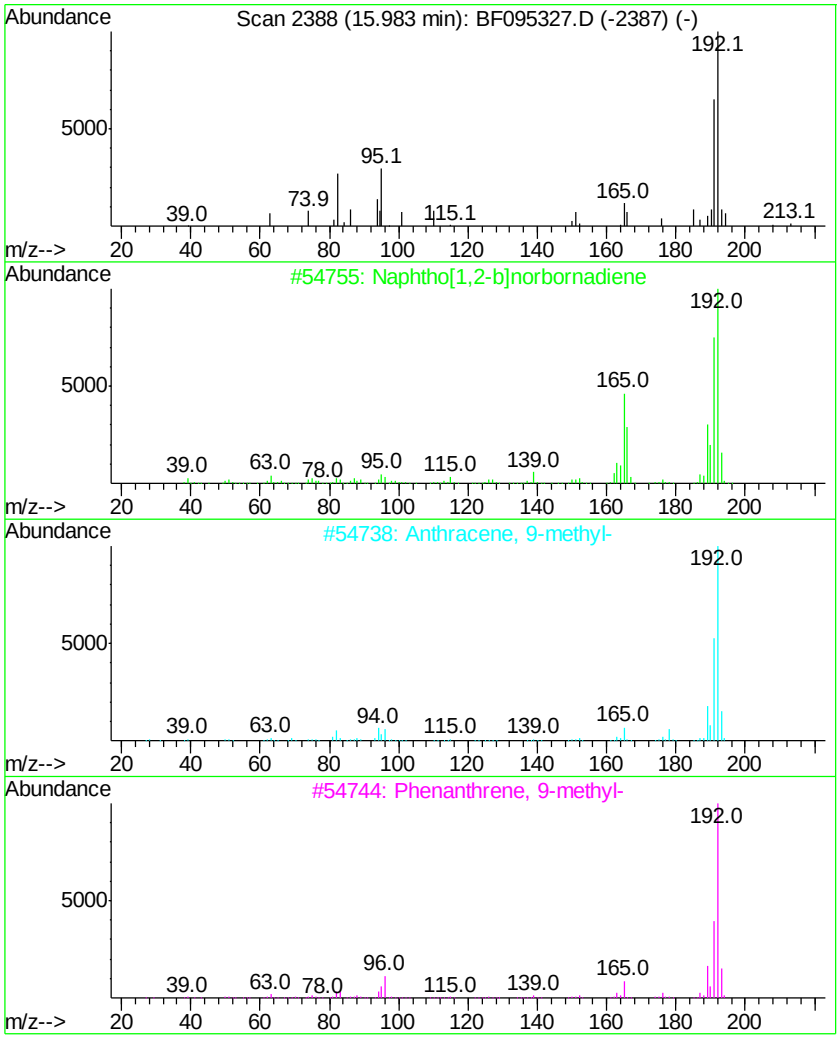
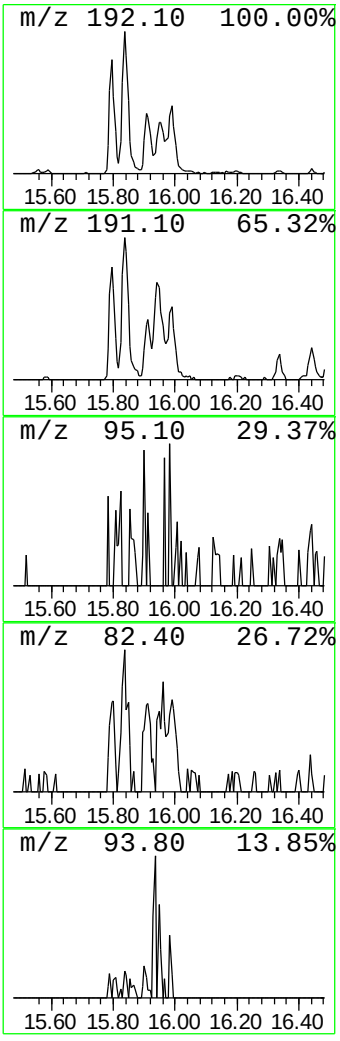
Peak Number 11 Naphtho[1,2-b]norbornadiene Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.98	3.50 ng	92489	Phenanthrene-d10	15.01

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphtho[1,2-b]norbornadiene	192	C15H12	1000210-14-8	58
2	Anthracene, 9-methyl-	192	C15H12	000779-02-2	53
3	Phenanthrene, 9-methyl-	192	C15H12	000883-20-5	53
4	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	53
5	3,5 (4H,8H)-Dihydro-8-thia-1,3-d...	192	C9H8N2OS	014346-25-9	50





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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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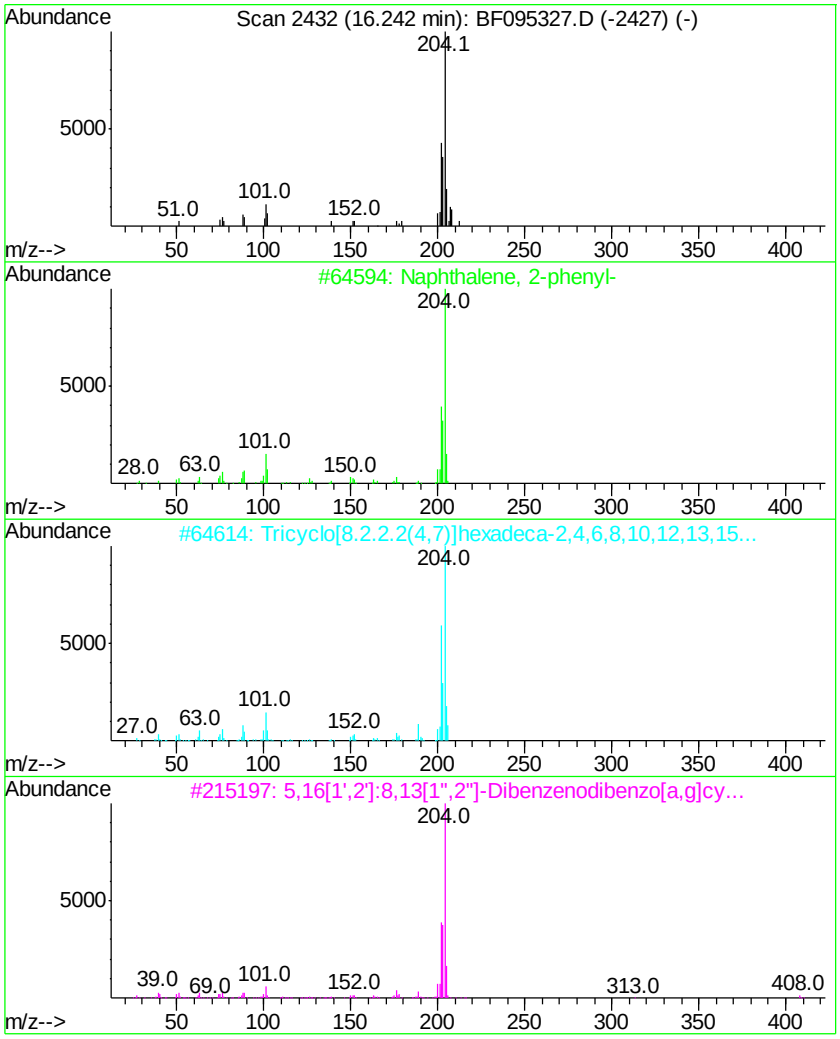
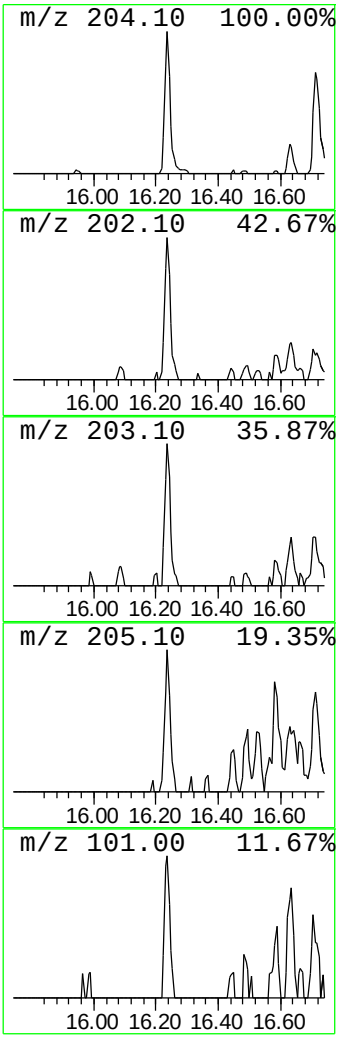
Peak Number 12 Naphthalene, 2-phenyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.24	2.54 ng	67132	Phenanthrene-d10	15.01

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	91
2	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	86
3	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	78
4	Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	55
5	9,10-Bis(bromomethyl)anthracene	362	C16H12Br2	034373-96-1	53





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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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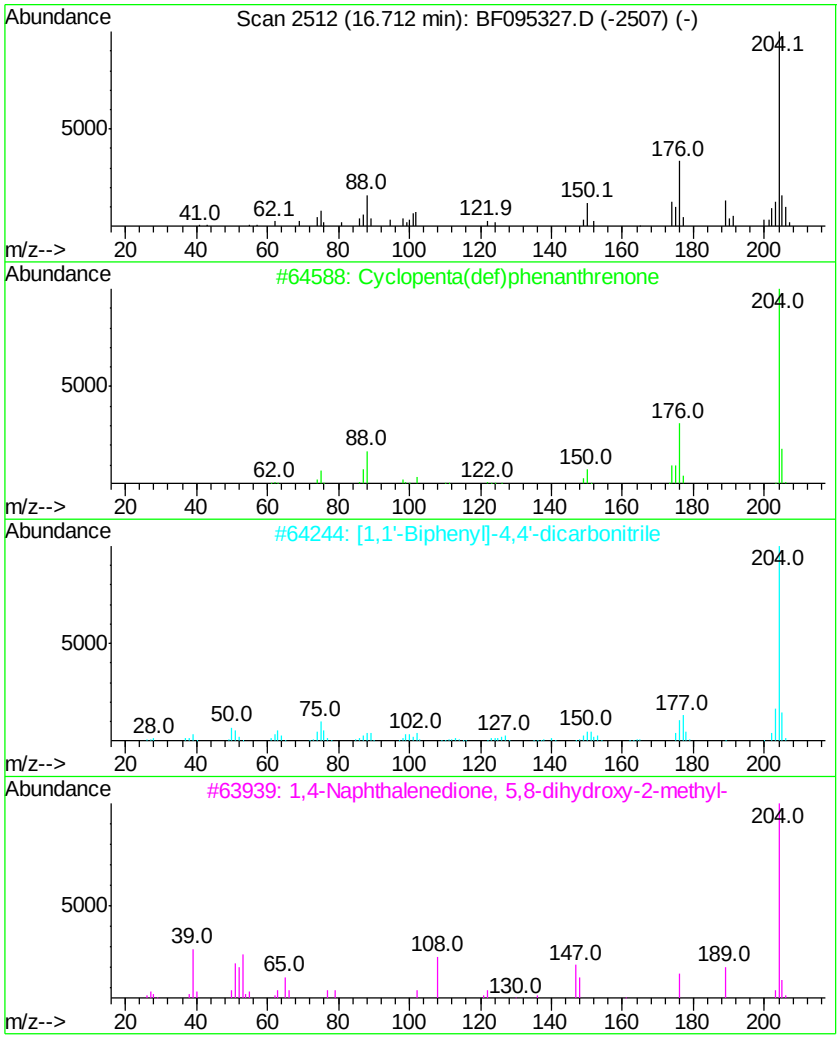
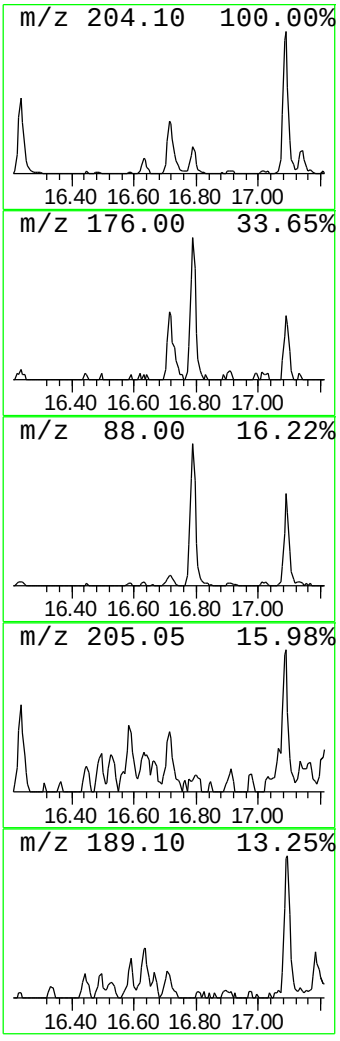
Peak Number 13 Cyclopenta(def)phenanthrenone Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.71	2.59 ng	68495	Phenanthrene-d10	15.01

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	94
2	[1,1'-Biphenyl]-4,4'-dicarbonitrile	204	C14H8N2	001591-30-6	59
3	1,4-Naphthalenedione, 5,8-dihydr...	204	C11H8O4	014554-09-7	53
4	6-Phenyl-2-thiouracil	204	C10H8N2OS	005590-94-3	53
5	Isoquinolinium, 2-methyl-1-pheny...	347	C16H14IN	052806-07-2	50





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Instrument : BNA_F
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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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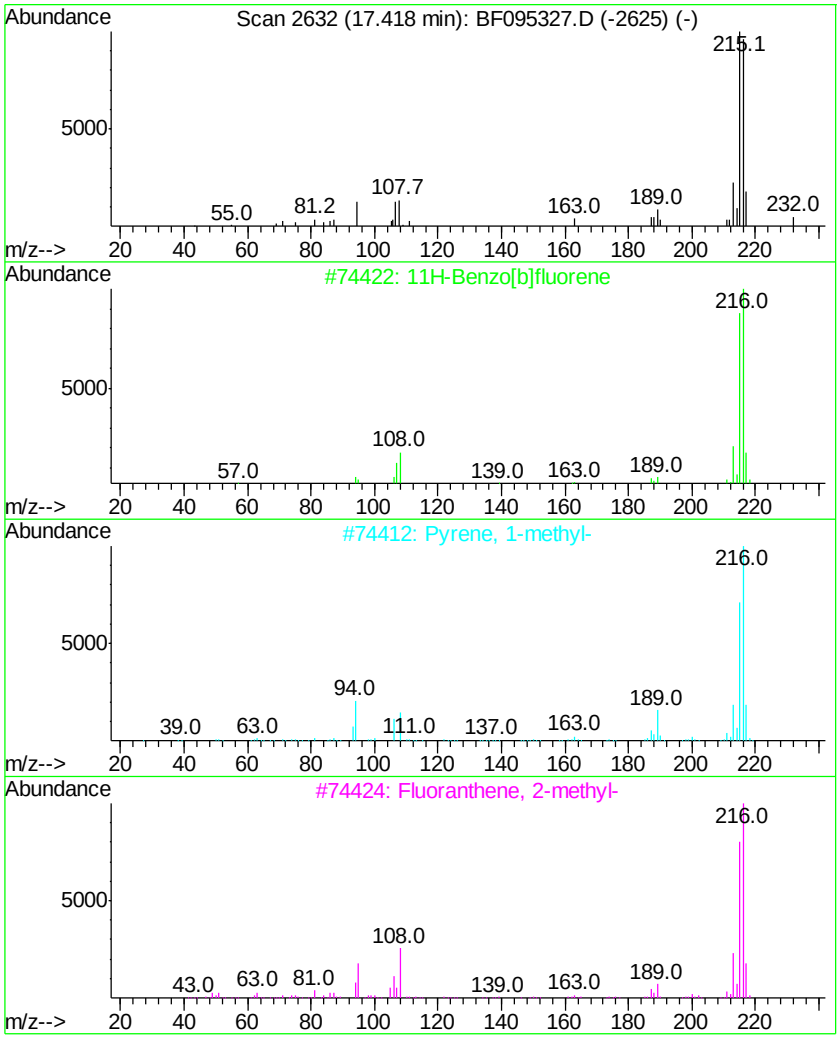
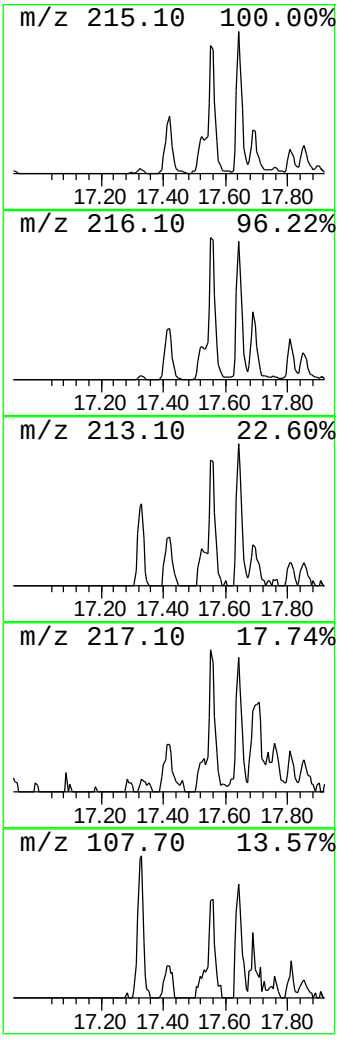
Peak Number 14 11H-Benzo[b]fluorene Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.42	2.23 ng	97725	Chrysene-d12	18.68

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	94
2	Pyrene, 1-methyl-	216	C17H12	002381-21-7	83
3	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	81
4	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	72
5	7H-Benzanthrene	216	C17H12	000199-94-0	53





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Instrument : BNA_F
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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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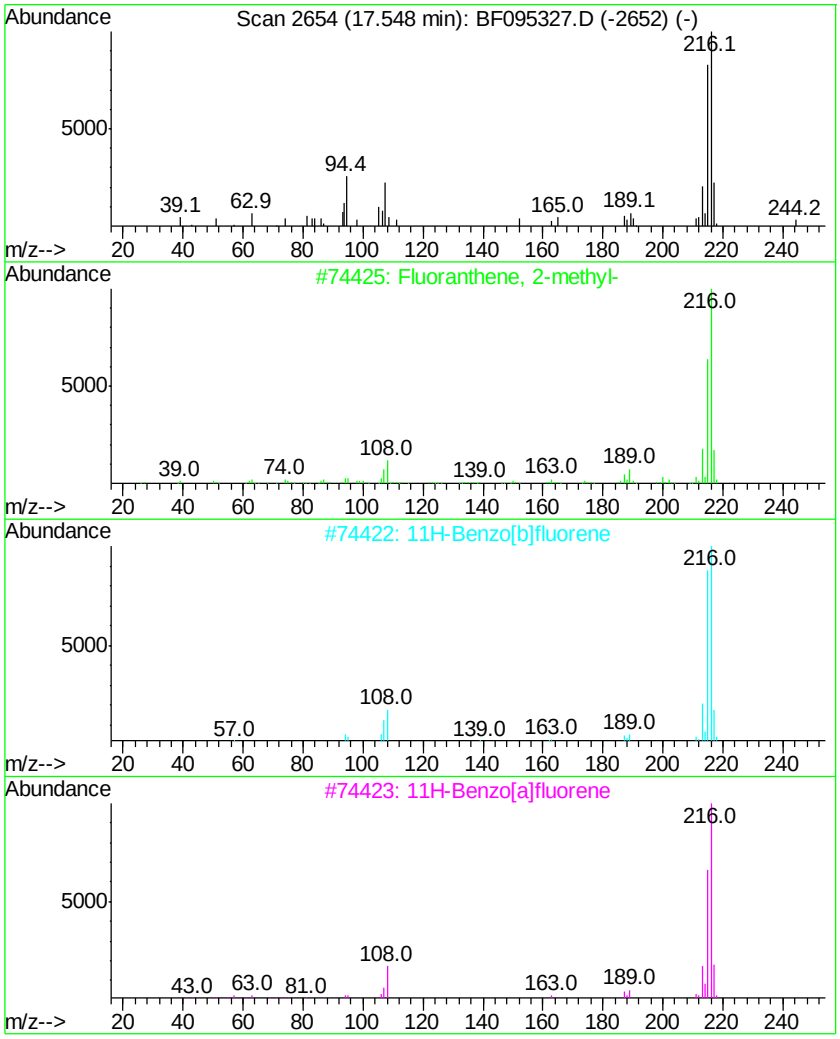
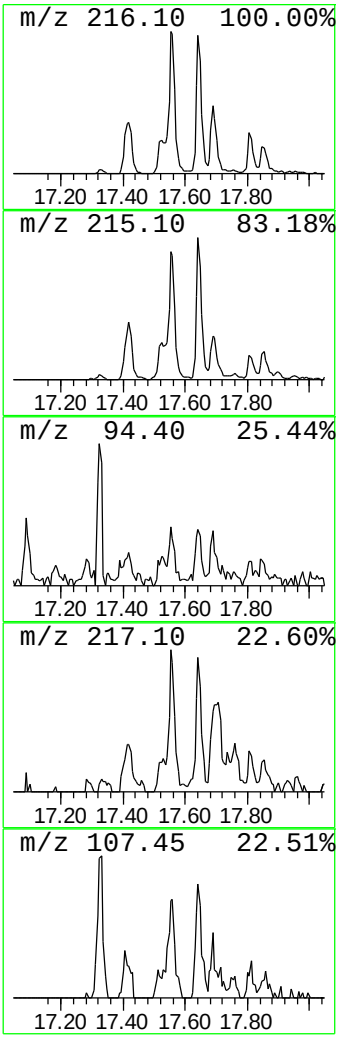
Peak Number 15 Fluoranthene, 2-methyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.55	3.70 ng	162346	Chrysene-d12	18.68

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	93
2	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	93
3	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	91
4	7H-Benzo[c]fluorene	216	C17H12	000205-12-9	87
5	Pyrene, 1-methyl-	216	C17H12	002381-21-7	83





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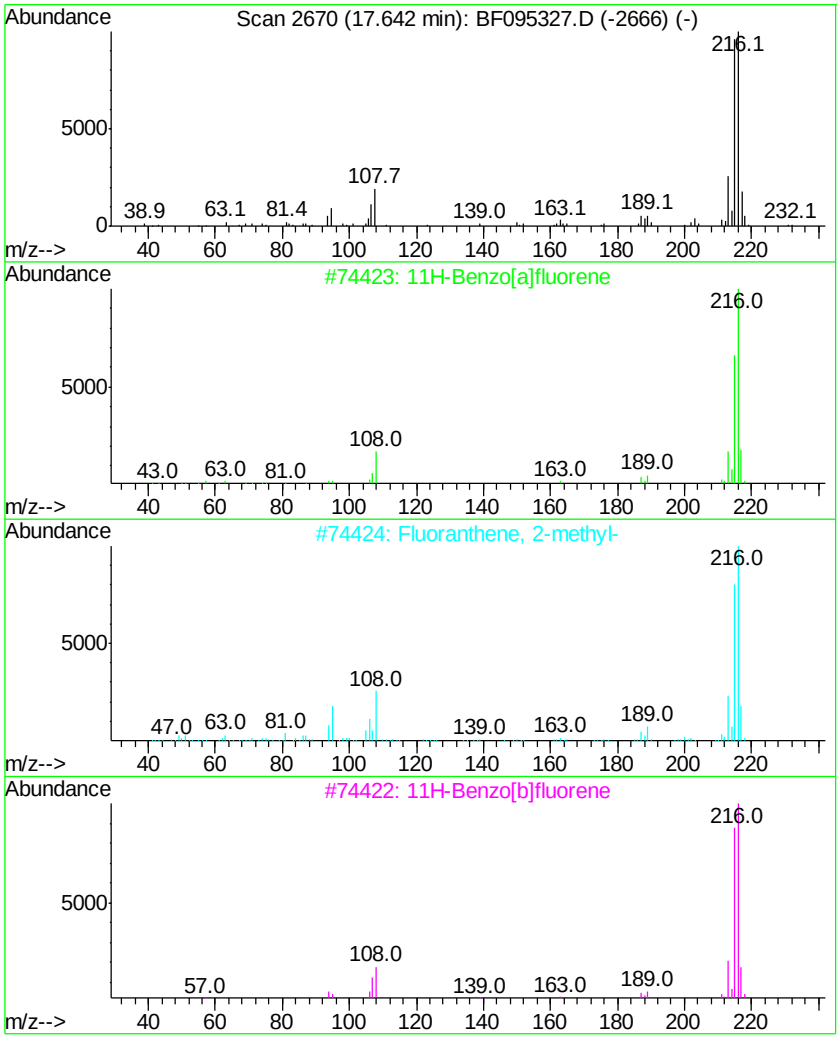
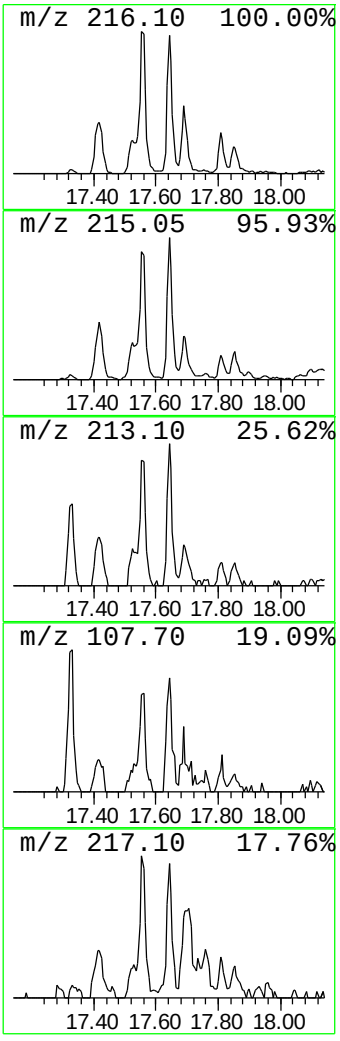
Peak Number 16 11H-Benzo[a]fluorene Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.64	3.40 ng	149483	Chrysene-d12	18.68

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	94
2	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	93
3	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	93
4	Pyrene, 1-methyl-	216	C17H12	002381-21-7	91
5	7H-Benzo[c]fluorene	216	C17H12	000205-12-9	81





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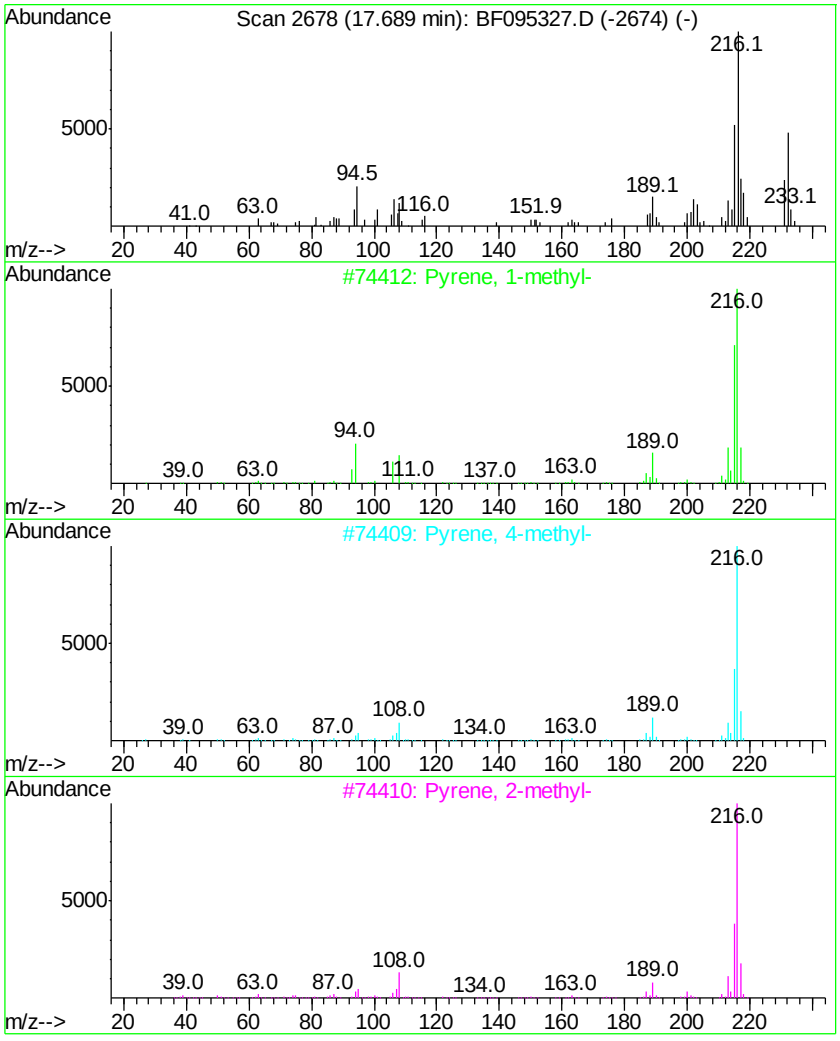
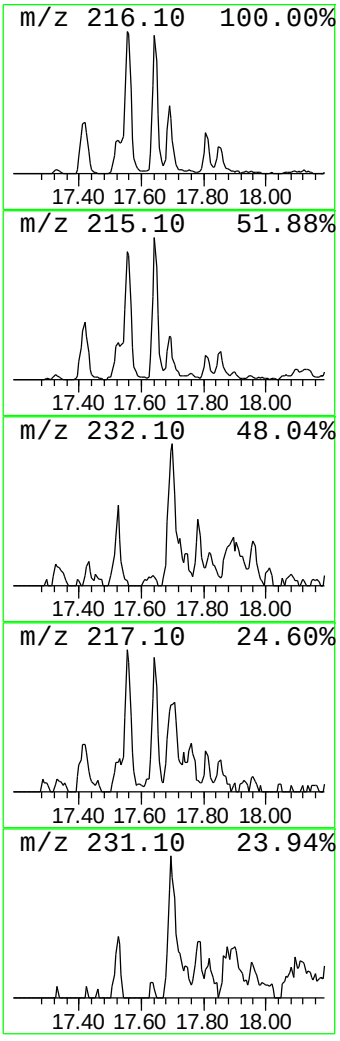
Peak Number 17 Pyrene, 1-methyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.69	3.73 ng	163667	Chrysene-d12	18.68

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	64
2	Pyrene, 4-methyl-	216	C17H12	003353-12-6	55
3	Pyrene, 2-methyl-	216	C17H12	003442-78-2	55
4	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	50
5	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	45





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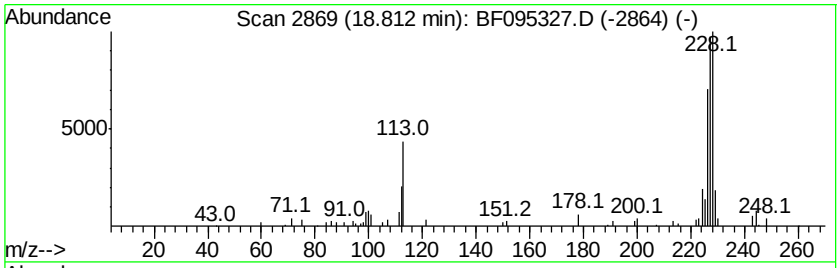
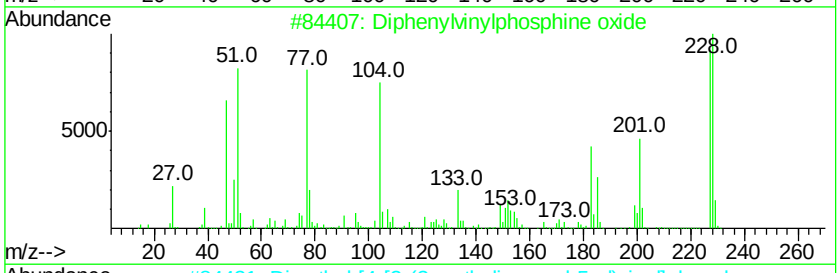
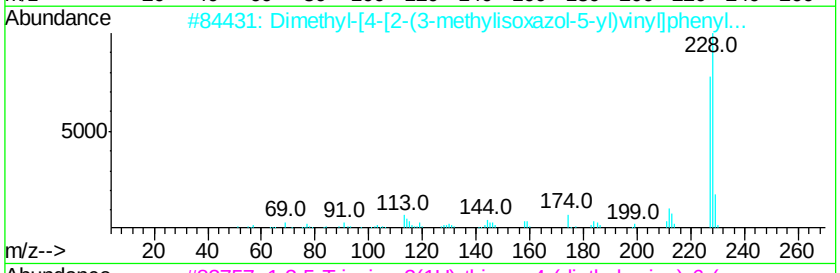
Peak Number 18 unknown18.81 Concentration Rank 20

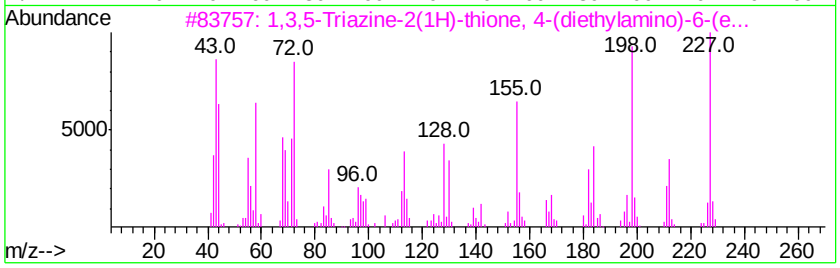
R.T.	EstConc	Area	Relative to ISTD	R.T.
18.81	2.12 ng	93268	Chrysene-d12	18.68

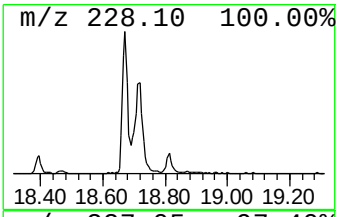
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Diphenylvinylphosphine oxide	228	C14H13OP	002096-78-8	43
2	Dimethyl-[4-[2-(3-methylisoxazol...	228	C14H16N2O	1000306-39-6	43
3	1,3,5-Triazine-2(1H)-thione, 4-(...	227	C9H17N5S	023613-02-7	38
4	Cyclopenta(cd)pyrene, 3,4-dihydro-	228	C18H12	025732-74-5	38
5	Benzo[c]phenanthrene	228	C18H12	000195-19-7	37

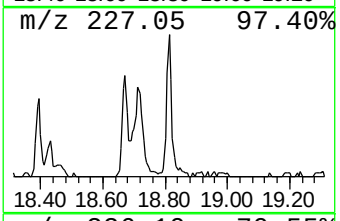


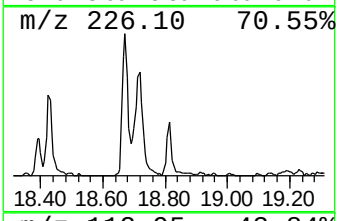


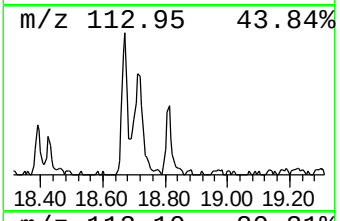


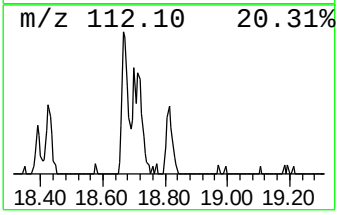












Data Path : Z:\HPCHEM1\BNA F\DATA\BF052217\
Data File : BF095327.D
Acq On : 22 May 2017 22:10
Operator : SJ/MA
Sample : I3278-07
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : RT-4632

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

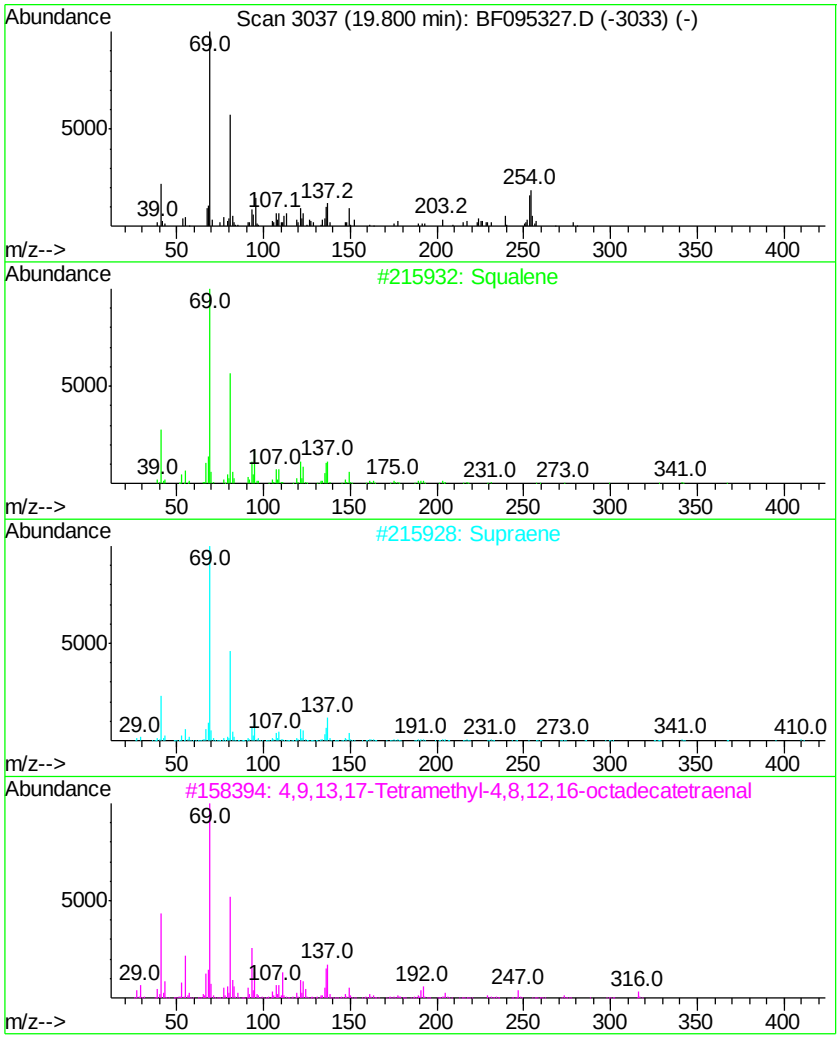
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

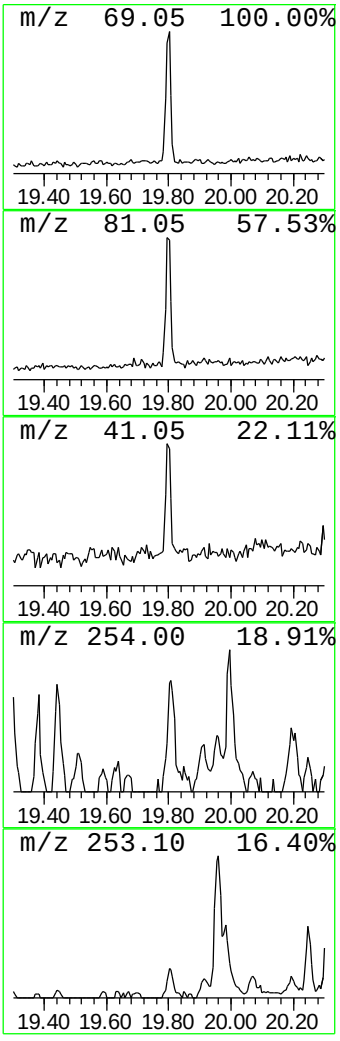
****

Peak Number 19 Squalene Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.80	3.92 ng	97826	Perylene-d12	20.36

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Squalene	410	C30H50	000111-02-4	81
2	Supraene	410	C30H50	007683-64-9	64
3	4,9,13,17-Tetramethyl-4,8,12,16-...	316	C22H36O	056882-09-8	59
4	2,6,10-Dodecatrien-1-ol, 3,7,11-...	222	C15H26O	004602-84-0	53
5	Farnesol isomer a	222	C15H26O	1000108-92-4	50





Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF052217\
Data File : BF095327.D
Acq On : 22 May 2017 22:10
Operator : SJ/MA
Sample : I3278-07
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : RT-4632

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

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
unknown5.12	5.12	8.0	ng	190166	1	7.76	474225	20.0
unknown7.42	7.42	87.5	ng	2074030	1	7.76	474225	20.0
1-Isopropenylnaph...	13.59	3.6	ng	135979	3	12.61	763454	20.0
Dibenzofuran, 4-m...	13.78	2.3	ng	87349	3	12.61	763454	20.0
9H-Fluorene, 2-me...	14.41	3.6	ng	96442	4	15.01	528414	20.0
Phenanthrene, 2-m...	15.79	3.7	ng	97393	4	15.01	528414	20.0
Anthracene, 1-met...	15.84	5.5	ng	145162	4	15.01	528414	20.0
Phenanthrene, 1-m...	15.91	2.7	ng	70248	4	15.01	528414	20.0
4H-Cyclopenta[def...	15.94	12.5	ng	330268	4	15.01	528414	20.0
Naphtho[1,2-b]nor...	15.98	3.5	ng	92489	4	15.01	528414	20.0
Naphthalene, 2-ph...	16.24	2.5	ng	67132	4	15.01	528414	20.0
Cyclopenta(def)ph...	16.71	2.6	ng	68495	4	15.01	528414	20.0
11H-Benzo[b]fluorene	17.42	2.2	ng	97725	5	18.68	878165	20.0
Fluoranthene, 2-m...	17.55	3.7	ng	162346	5	18.68	878165	20.0
11H-Benzo[a]fluorene	17.64	3.4	ng	149483	5	18.68	878165	20.0
Pyrene, 1-methyl-	17.69	3.7	ng	163667	5	18.68	878165	20.0
unknown18.81	18.81	2.1	ng	93268	5	18.68	878165	20.0
Squalene	19.80	3.9	ng	97826	6	20.36	499259	20.0