LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF040317\
Data File : BF094126.D
Acq On : 3 Apr 2017 17:43
Operator : SJ/MA
Sample : I2501-02
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TP-2

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-BF032217.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	4.028	360	364	372	rBV	254463	321046	8.38%	0.675%
2	4.422	427	431	435	rBV	2984592	3126848	81.62%	6.570%
3	5.493	607	613	616	rBV	3054744	3296930	86.06%	6.927%
4	5.634	631	637	640	rBV	3224937	3416740	89.19%	7.179%
5	5.887	675	680	683	rBV	1178763	1099006	28.69%	2.309%
6	6.063	705	710	714	rBV	2783642	2664900	69.56%	5.599%
7	6.534	783	790	793	rBV	2050269	2194158	57.28%	4.610%
8	7.387	930	935	939	rBV	1577951	1557069	40.65%	3.272%
9	8.710	1154	1160	1164	rBV	3478140	3830867	100.00%	8.049%
10	9.210	1240	1245	1248	rBV	308951	306285	8.00%	0.644%
11	9.351	1266	1269	1274	rVB2	43945	42194	1.10%	0.089%
12	9.528	1291	1299	1303	rBV2	1641623	1783727	46.56%	3.748%
13	9.569	1303	1306	1309	rVB	150804	141467	3.69%	0.297%
14	9.781	1337	1342	1347	rBV	75362	90601	2.37%	0.190%
15	10.122	1396	1400	1404	rBV	101552	91678	2.39%	0.193%
16	10.198	1410	1413	1417	rVB	142177	146065	3.81%	0.307%
17	10.398	1443	1447	1454	rVB2	60957	91808	2.40%	0.193%
18	10.504	1459	1465	1470	rBV	2014589	2145576	56.01%	4.508%
19	10.704	1496	1499	1507	rBV	112230	163884	4.28%	0.344%
20	10.880	1524	1529	1533	rBV4	32057	51033	1.33%	0.107%
21	11.110	1564	1568	1574	rVB	64864	79210	2.07%	0.166%
22	11.186	1577	1581	1584	rVV5	29410	42480	1.11%	0.089%
23	11.222	1584	1587	1590	rVB	73101	67343	1.76%	0.141%
24	11.263	1590	1594	1597	rBV	78109	77970	2.04%	0.164%
25	11.357	1604	1610	1612	rBV	1504664	1673395	43.68%	3.516%
26	11.380	1612	1614	1618	rVV	1296738	1273799	33.25%	2.676%
27	11.445	1618	1625	1629	rVB	316489	325804	8.50%	0.685%
28	11.645	1656	1659	1663	rBV	140961	128227	3.35%	0.269%
29	11.769	1677	1680	1682	rVV3	30585	39550	1.03%	0.083%
30	11.975	1711	1715	1718	rBV	174502	177291	4.63%	0.373%
31	12.010	1718	1721	1725	rVV	225004	228198	5.96%	0.479%
32	12.069	1727	1731	1734	rBV	70886	77061	2.01%	0.162%
33	12.110	1734	1738	1741	rVV	285199	345715	9.02%	0.726%
34	12.139	1741	1743	1748	rVB	126780	118168	3.08%	0.248%

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Integrator: RTE
Smoothing : ON Filtering: 5
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Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF032217.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	12.345	1775	1778	1780	rBV	125568	138826	3.62%	0.292%
36	12.363	1780	1781	1788	rVB	121016	94132	2.46%	0.198%
37	12.527	1806	1809	1813	rVB2	35798	42685	1.11%	0.090%
38	12.657	1824	1831	1835	rBV2	101277	146573	3.83%	0.308%
39	12.698	1835	1838	1841	rVV	53286	60305	1.57%	0.127%
40	12.774	1849	1851	1857	rVB2	49850	51319	1.34%	0.108%
41	12.845	1857	1863	1867	rBV	1579850	1687147	44.04%	3.545%
42	12.922	1873	1876	1879	rBV2	45898	57663	1.51%	0.121%
43	13.021	1886	1893	1896	rBV2	75558	99246	2.59%	0.209%
44	13.121	1902	1910	1914	rBV	1534580	1729152	45.14%	3.633%
45	13.192	1919	1922	1924	rVB	55773	55166	1.44%	0.116%
46	13.280	1931	1937	1939	rBV	81296	90851	2.37%	0.191%
47	13.333	1939	1946	1950	rVV2	2889392	3295539	86.03%	6.924%
48	13.404	1951	1958	1962	rBV4	86129	154819	4.04%	0.325%
49	13.533	1977	1980	1985	rVB	187098	221104	5.77%	0.465%
50	13.621	1991	1995	1998	rBV	120634	123796	3.23%	0.260%
51	13.663	1998	2002	2005	rVV	168710	190640	4.98%	0.401%
52	13.692	2005	2007	2012	rVB	50277	64768	1.69%	0.136%
53	13.774	2017	2021	2023	rVB	74643	73441	1.92%	0.154%
54	13.804	2023	2026	2032	rBV2	151133	184867	4.83%	0.388%
55	14.016	2057	2062	2064	rBV5	23029	39093	1.02%	0.082%
56	14.157	2081	2086	2093	rVB	91466	128089	3.34%	0.269%
57	14.292	2105	2109	2112	rBV2	109027	129649	3.38%	0.272%
58	14.333	2112	2116	2117	rVV	92122	85042	2.22%	0.179%
59	14.351	2117	2119	2121	rVB	57880	49215	1.28%	0.103%
60	14.410	2126	2129	2135	rVB	92835	134649	3.51%	0.283%
61	14.504	2140	2145	2153	rBV4	122957	255899	6.68%	0.538%
62	14.604	2156	2162	2165	rVV2	1378062	2113583	55.17%	4.441%
63	14.633	2165	2167	2170	rVV	560441	611765	15.97%	1.285%
64	14.657	2170	2171	2177	rVB3	97594	109185	2.85%	0.229%
65	14.727	2178	2183	2187	rBV3	109363	128498	3.35%	0.270%
66	14.845	2200	2203	2208	rVB3	46909	70698	1.85%	0.149%
67	14.892	2208	2211	2214	rBV	48260	63611	1.66%	0.134%
68	15.045	2233	2237	2239	rBV	40065	46037	1.20%	0.097%
69	15.086	2239	2244	2248	rVV	115860	125678	3.28%	0.264%
70	15.127	2248	2251	2256	rVB2	61974	69249	1.81%	0.146%
71	15.198	2260	2263	2266	rVB2	51637	56000	1.46%	0.118%

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Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

72	15.233	2266	2269	2271	rBV3	49802	53967	1.41%	0.113%
73	15.339	2284	2287	2292	rVB3	36970	45463	1.19%	0.096%
74	15.451	2303	2306	2310	rBV3	51463	67456	1.76%	0.142%
75	15.645	2335	2339	2341	rBV4	33378	45974	1.20%	0.097%
76	15.715	2348	2351	2357	rBV3	31669	55461	1.45%	0.117%
77	15.827	2365	2370	2373	rBV	434098	655028	17.10%	1.376%
78	15.933	2385	2388	2393	rVB	95122	88556	2.31%	0.186%
79	16.115	2415	2419	2424	rVB	265601	281357	7.34%	0.591%
80	16.174	2424	2429	2433	rVB	378271	408718	10.67%	0.859%
81	16.233	2435	2439	2443	rBV	786722	948822	24.77%	1.994%
82	16.262	2443	2444	2447	rVB	101798	63946	1.67%	0.134%
83	16.757	2523	2528	2537	rVB4	48624	96551	2.52%	0.203%
84	17.421	2635	2641	2646	rBV4	38771	82914	2.16%	0.174%
85	17.568	2661	2666	2674	rVB2	156553	309436	8.08%	0.650%
86	17.745	2690	2696	2700	rBV2	35104	89552	2.34%	0.188%
87	17.962	2727	2733	2743	rBV	129524	247323	6.46%	0.520%
88	18.174	2765	2769	2775	rVB2	32930	58432	1.53%	0.123%

Sum of corrected areas: 47593028

LSC Report - Integrated Chromatogram

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Sample : I2501-02
Misc :
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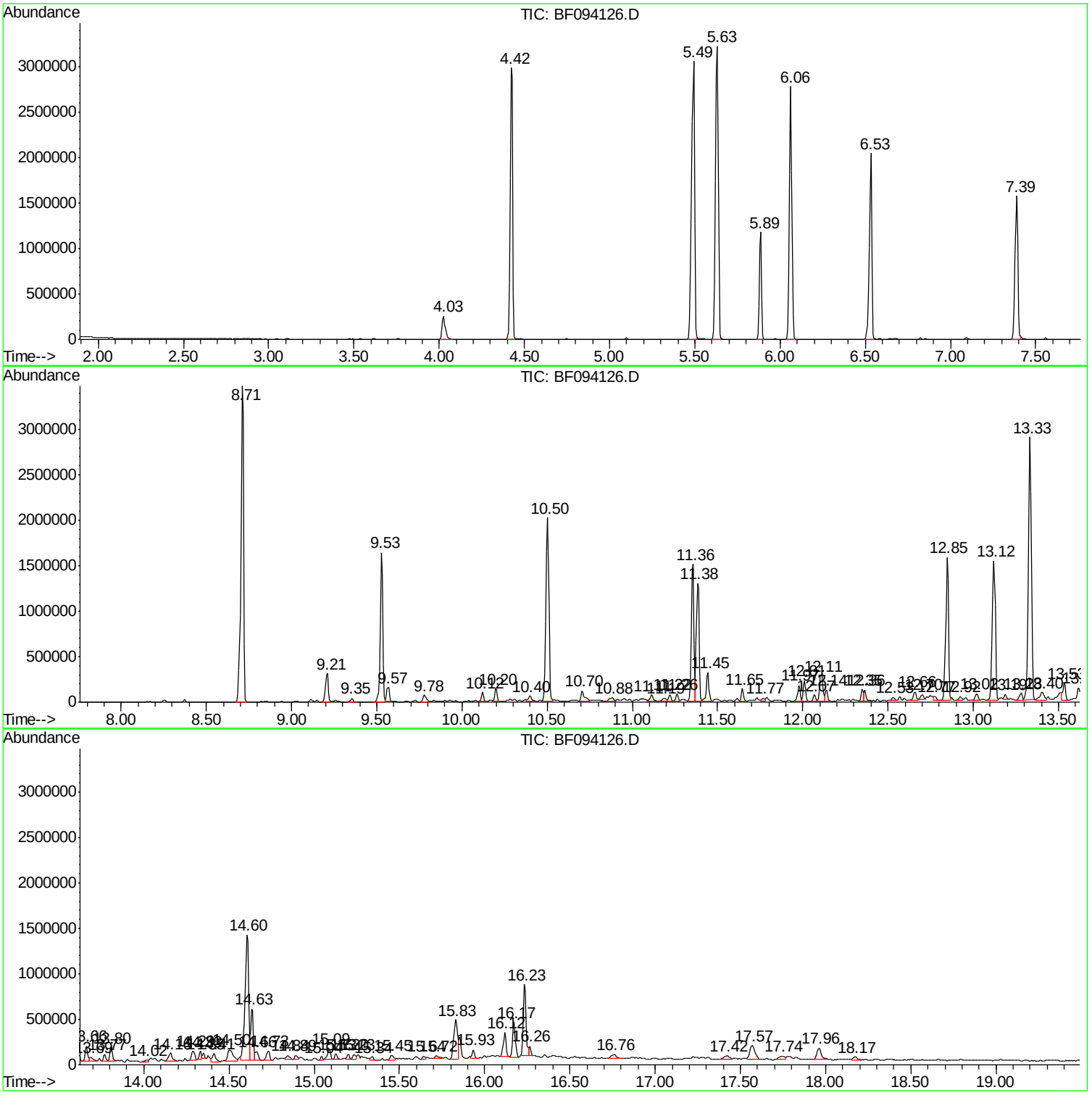
Instrument : BNA_F
ClientSampleId : TP-2

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF032217.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P



Data Path : Z:\HPCHEM1\BNA F\DATA\BF040317\
Data File : BF094126.D
Acq On : 3 Apr 2017 17:43
Operator : SJ/MA
Sample : I2501-02
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TP-2

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF032217.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

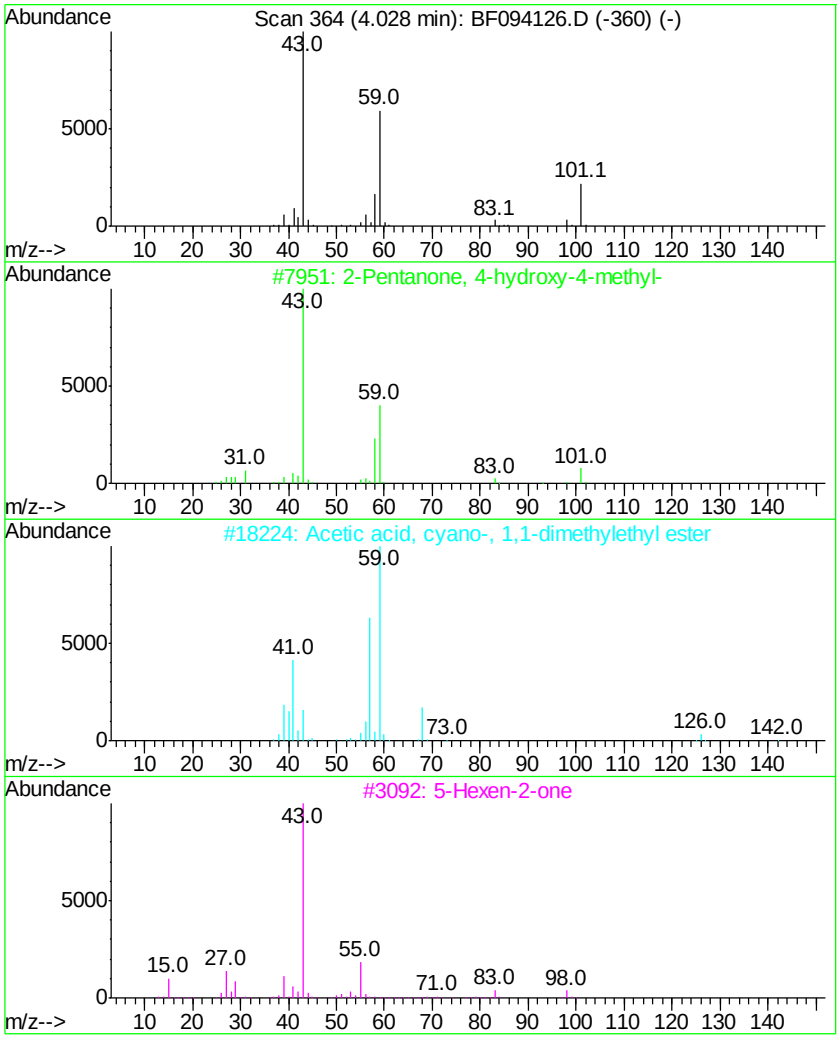
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

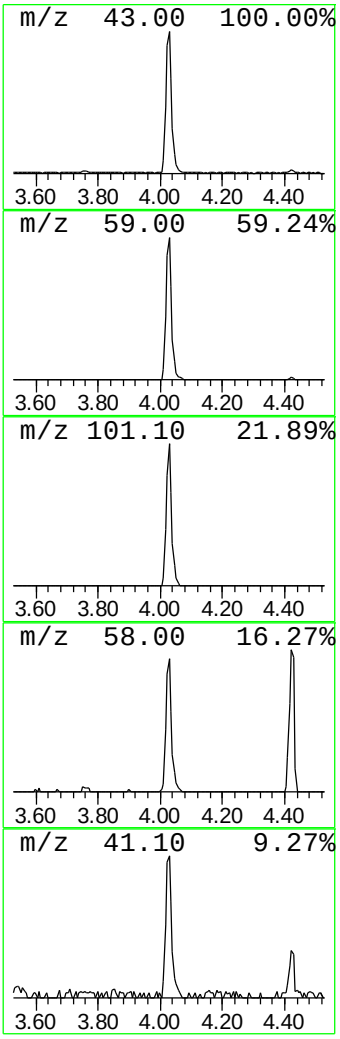
****

Peak Number 1 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.03	5.84 ng	321046	1,4-Dichlorobenzene-d4	5.89

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	40
2	Acetic acid, cyano-, 1,1-dimethy...	141	C7H11NO2	001116-98-9	17
3	5-Hexen-2-one	98	C6H10O	000109-49-9	9
4	2,3-Butanedione, monooxime	101	C4H7NO2	000057-71-6	9
5	t-Butyl ethyl ether	102	C6H14O	1000118-18-4	9





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Sample : I2501-02
Misc :
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Instrument : BNA_F
ClientSampleId : TP-2

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF032217.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

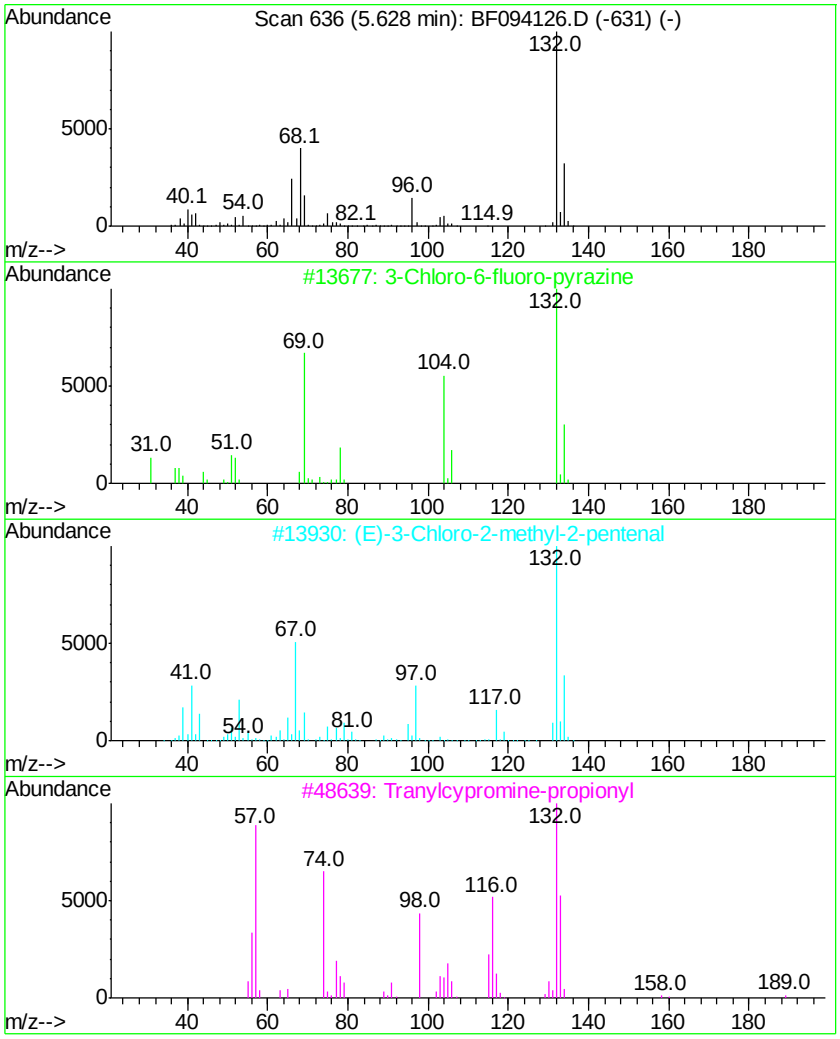
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

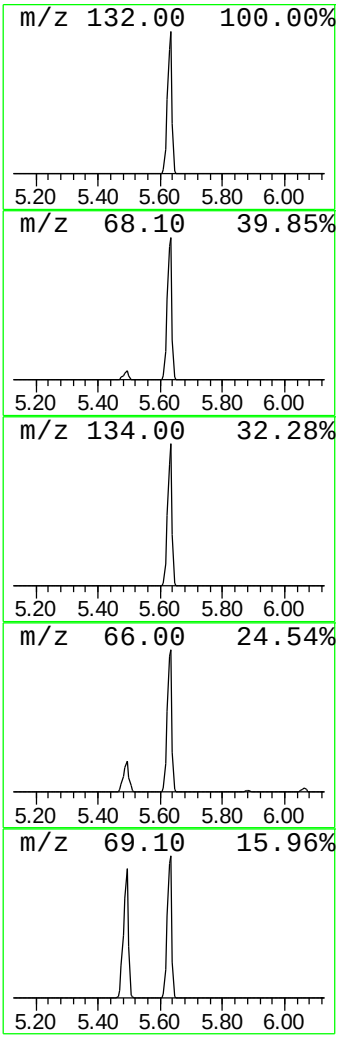
****

Peak Number 2 unknown5.63 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.63	62.18 ng	3416740	1,4-Dichlorobenzene-d4	5.89

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	25
2	(E)-3-Chloro-2-methyl-2-pentenal	132	C6H9ClO	031357-76-3	17
3	Tranylcypromine-propionyl	189	C12H15NO	1000123-86-3	12
4	5-Aminoindole	132	C8H8N2	005192-03-0	12
5	Benzene, 1,3,5-trifluoro-	132	C6H3F3	000372-38-3	9





Library Search Compound Report

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Instrument : BNA_F
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TIC Library : C:\DATABASE\NIST02.L
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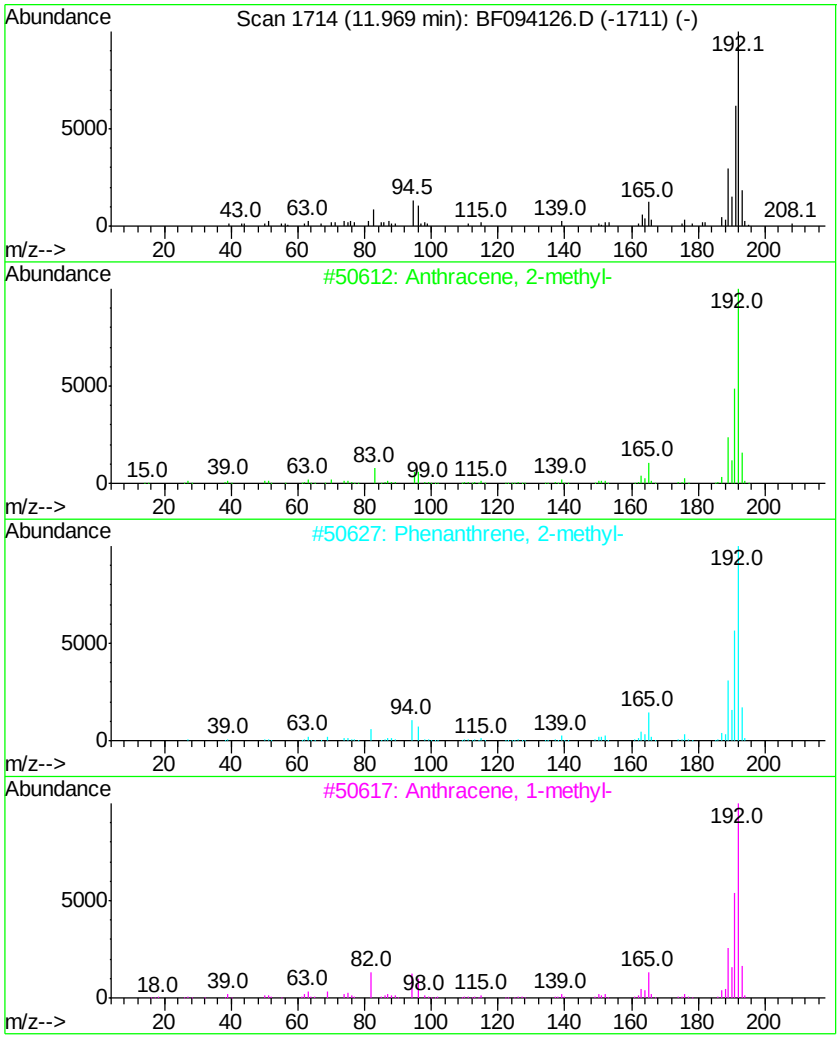
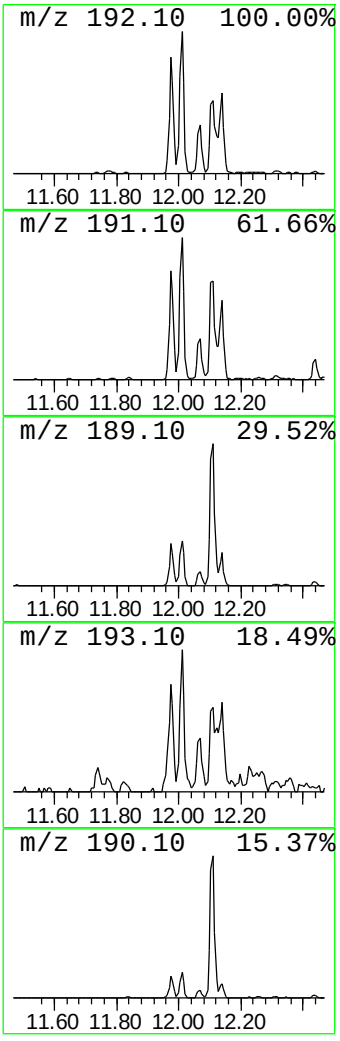
****

Peak Number 4 Anthracene, 2-methyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.97	2.12 ng	177291	Phenanthrene-d10	11.36

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	93
3	Anthracene, 1-methyl-	192	C15H12	000610-48-0	91
4	Anthracene, 9-methyl-	192	C15H12	000779-02-2	91
5	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	90





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Instrument : BNA_F
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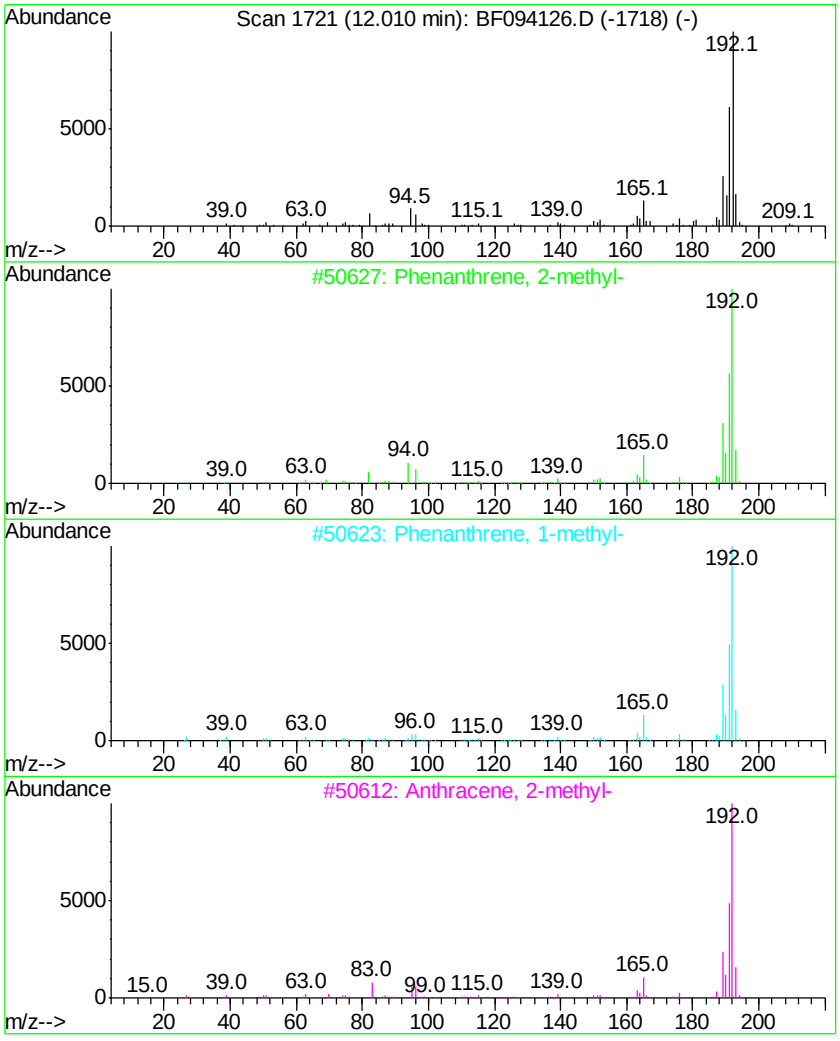
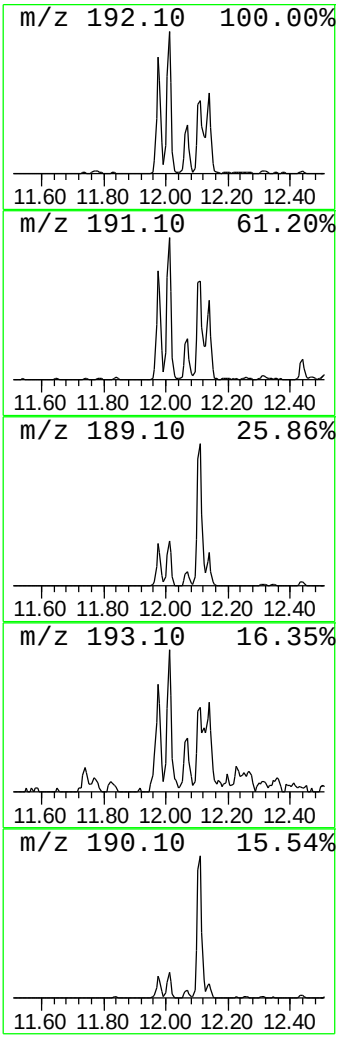
Peak Number 5 Phenanthrene, 2-methyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.01	2.73 ng	228198	Phenanthrene-d10	11.36

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	98
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	97
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
4	Anthracene, 9-methyl-	192	C15H12	000779-02-2	94
5	1H-Indene, 3-phenyl-	192	C15H12	001961-97-3	93





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ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TP-2

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF032217.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

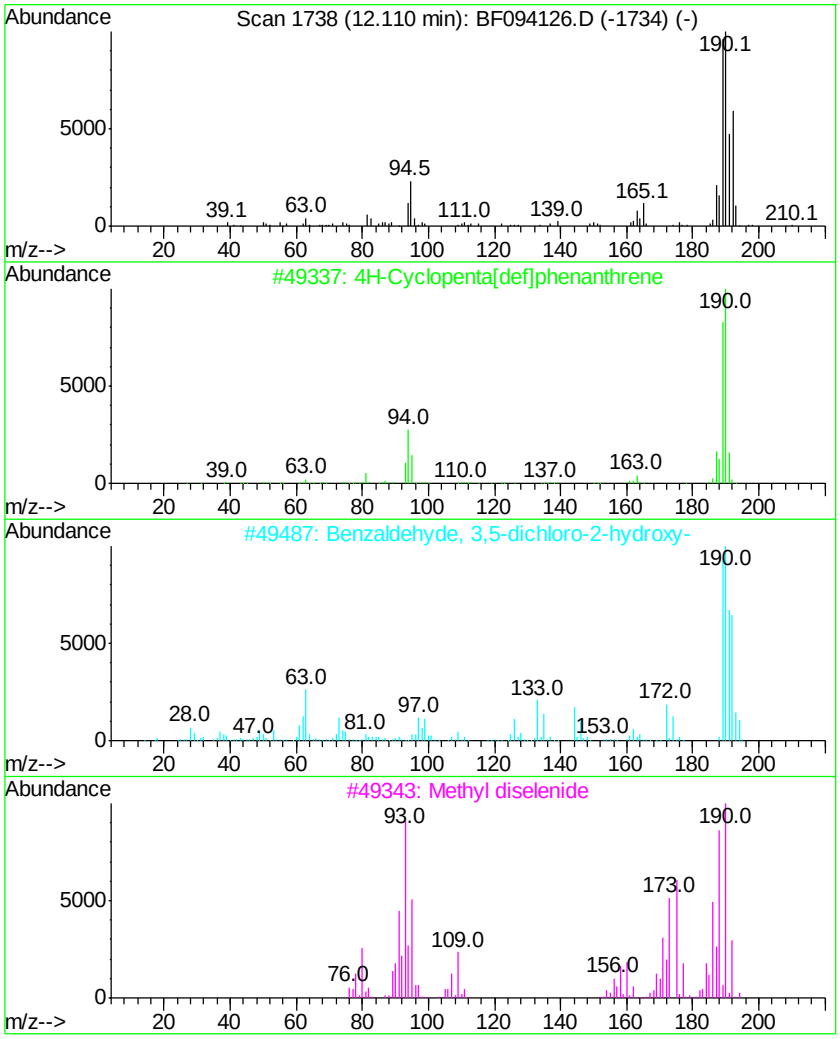
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

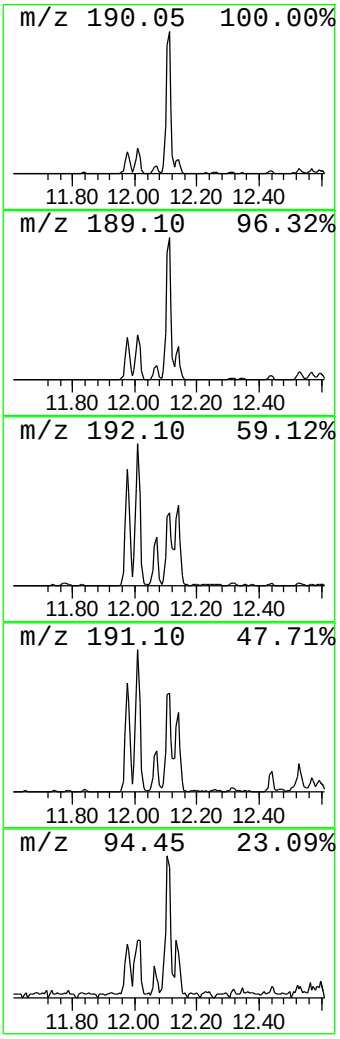
****

Peak Number 6 4H-Cyclopenta[def]phenanthrene Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.11	4.13 ng	345715	Phenanthrene-d10	11.36

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	93
2	Benzaldehyde, 3,5-dichloro-2-hyd...	190	C7H4Cl2O2	000090-60-8	64
3	Methyl diselenide	190	C2H6Se2	007101-31-7	41
4	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	25
5	Anthracene, 1-methyl-	192	C15H12	000610-48-0	25





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Instrument : BNA_F
ClientSampleId : TP-2

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF032217.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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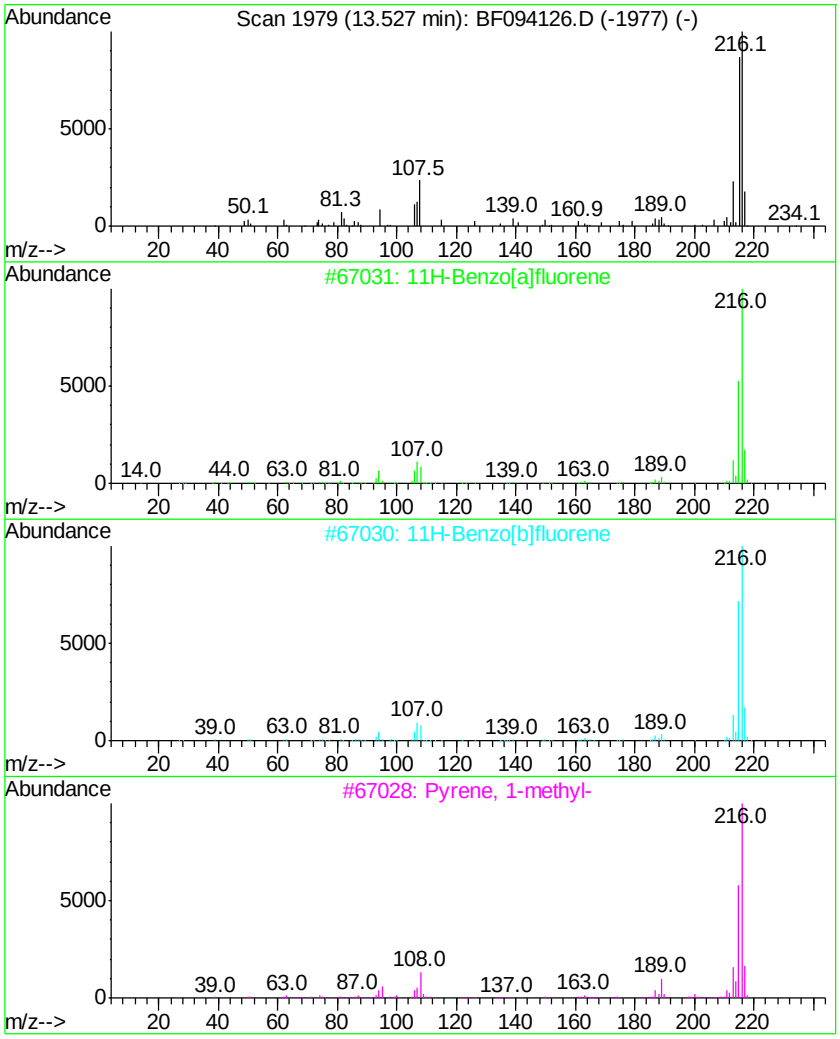
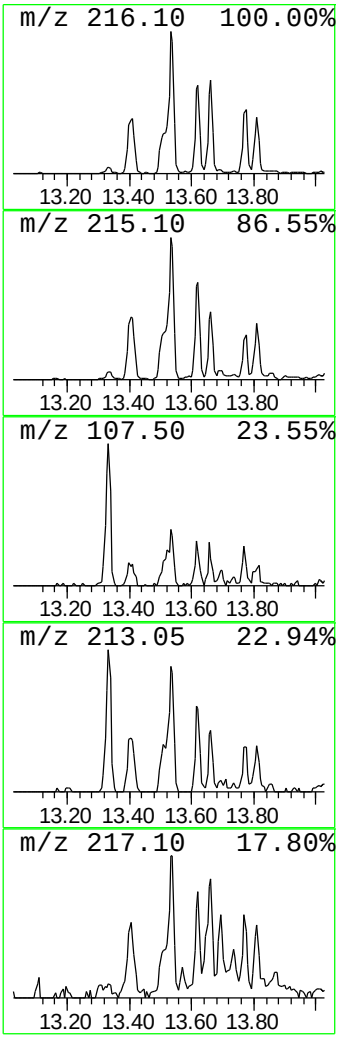
Peak Number 7 11H-Benzo[a]fluorene Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.53	2.09 ng	221104	Chrysene-d12	14.61

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	93
2	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	90
3	Pyrene, 1-methyl-	216	C17H12	002381-21-7	86
4	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	72
5	7H-Benzo[c]fluorene	216	C17H12	000205-12-9	72





Data Path : Z:\HPCHEM1\BNA F\DATA\BF040317\
Data File : BF094126.D
Acq On : 3 Apr 2017 17:43
Operator : SJ/MA
Sample : I2501-02
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TP-2

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF032217.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

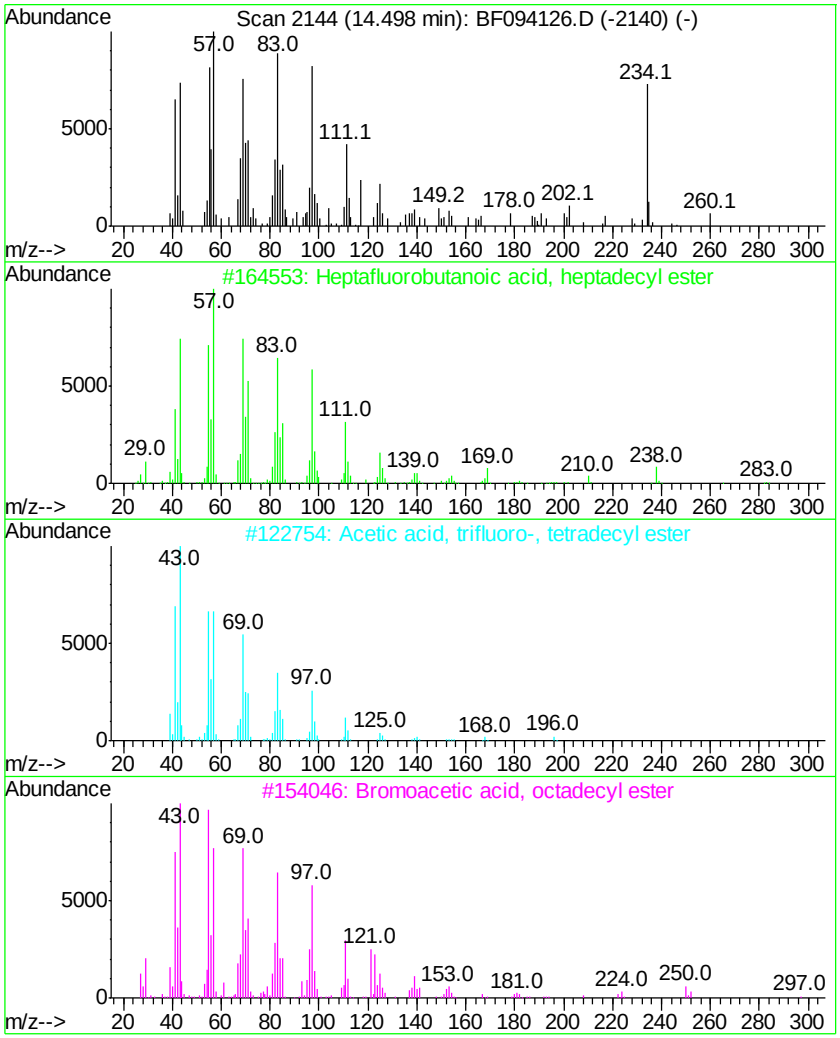
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

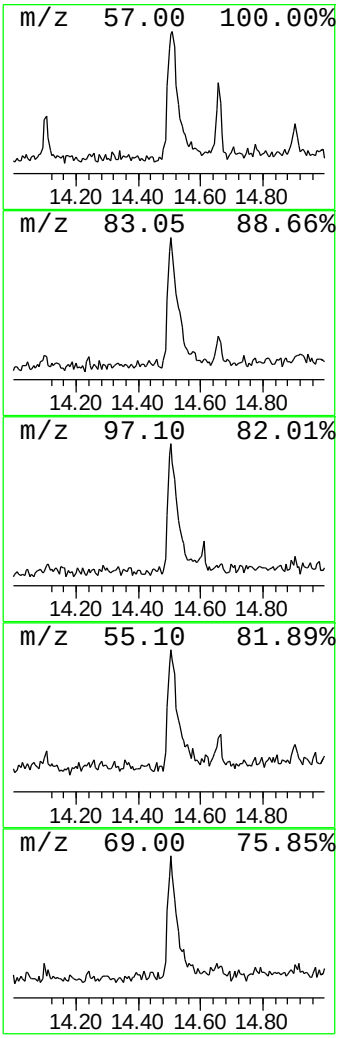
****

Peak Number 8 Heptafluorobutanoic acid, h... Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.50	2.42 ng	255899	Chrysene-d12	14.61

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptafluorobutanoic acid, heptad...	452	C21H35F7O2	1000282-97-3	90
2	Acetic acid, trifluoro-, tetrade...	310	C16H29F3O2	006222-02-2	76
3	Bromoacetic acid, octadecyl ester	390	C20H39BrO2	018992-03-5	72
4	Pentafluoropropionic acid, hepta...	402	C20H35F5O2	1000283-04-2	64
5	Trifluoroacetic acid, n-octadecy...	366	C20H37F3O2	079392-43-1	62





Data Path : Z:\HPCHEM1\BNA F\DATA\BF040317\
Data File : BF094126.D
Acq On : 3 Apr 2017 17:43
Operator : SJ/MA
Sample : I2501-02
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TP-2

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF032217.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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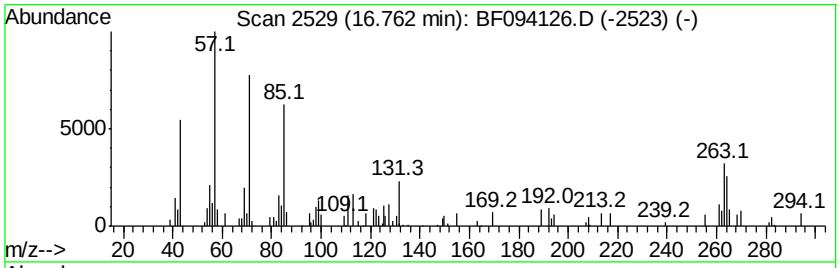
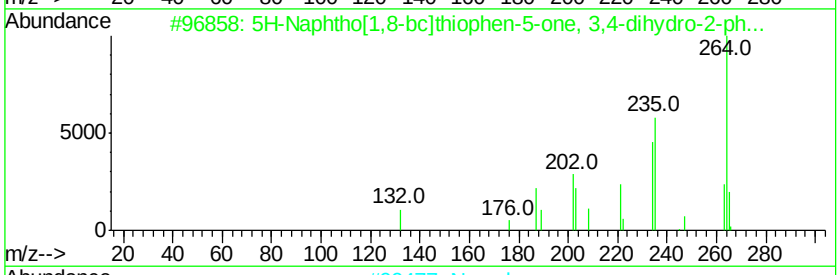
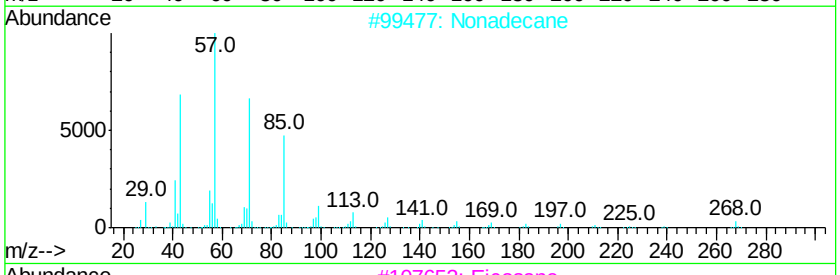
Peak Number 10 unknown16.76 Concentration Rank 10

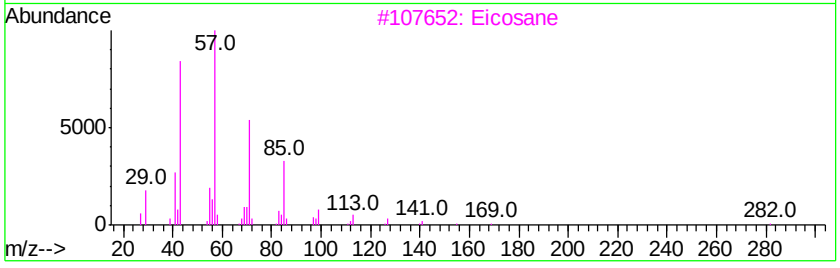
R.T.	EstConc	Area	Relative to ISTD	R.T.
16.76	2.04 ng	96551	Perylene-d12	16.23

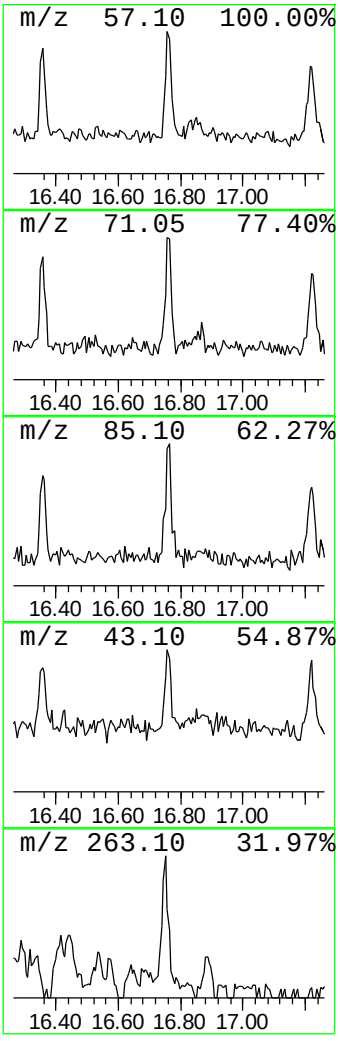
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	5H-Naphtho[1,8-bc]thiophen-5-one...	264	C17H12OS	010245-65-5	43
2	Nonadecane	268	C19H40	000629-92-5	30
3	Eicosane	282	C20H42	000112-95-8	30
4	3-Isobutyryl-5-phenoxymethyl-2-o...	263	C14H17NO4	014789-97-0	25
5	Hexane, 3,3-dimethyl-	114	C8H18	000563-16-6	22











Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF040317\
Data File : BF094126.D
Acq On : 3 Apr 2017 17:43
Operator : SJ/MA
Sample : I2501-02
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TP-2

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF032217.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
2-Pentanone, 4-hy...	4.03	5.8	ng	321046	1	5.89	1099010	20.0
unknown5.63	5.63	62.2	ng	3416740	1	5.89	1099010	20.0
Anthracene, 2-met...	11.97	2.1	ng	177291	4	11.36	1673400	20.0
Phenanthrene, 2-m...	12.01	2.7	ng	228198	4	11.36	1673400	20.0
4H-Cyclopenta[def...	12.11	4.1	ng	345715	4	11.36	1673400	20.0
11H-Benzo[a]fluorene	13.53	2.1	ng	221104	5	14.61	2113580	20.0
Heptafluorobutano...	14.50	2.4	ng	255899	5	14.61	2113580	20.0
unknown16.76	16.76	2.0	ng	96551	6	16.23	948822	20.0