LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF040617\
Data File : BF094235.D
Acq On : 6 Apr 2017 18:27
Operator : SJ/MA
Sample : I2538-06
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : LOCUST-ST-IP(3-5)

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	3.993	353	358	368	rVB	652979	800267	19.63%	1.868%
2	4.387	420	425	429	rBV	3353848	3625857	88.94%	8.465%
3	4.775	488	491	495	rBV	48747	43778	1.07%	0.102%
4	5.457	601	607	612	rBV2	3068616	4076612	100.00%	9.517%
5	5.598	625	631	634	rBV	3606737	3848082	94.39%	8.983%
6	5.851	670	674	678	rBV	1065941	956140	23.45%	2.232%
7	6.028	699	704	708	rBV	2881062	2913067	71.46%	6.801%
8	6.498	778	784	787	rBV	2137373	2475430	60.72%	5.779%
9	7.351	924	929	933	rBV	1380162	1340160	32.87%	3.129%
10	8.675	1148	1154	1158	rBV	3415019	3991752	97.92%	9.319%
11	9.175	1234	1239	1242	rBV	367923	369689	9.07%	0.863%
12	9.492	1285	1293	1297	rBV2	1473132	1516879	37.21%	3.541%
13	9.528	1297	1299	1302	rVB	63025	52174	1.28%	0.122%
14	9.745	1332	1336	1341	rBV	41487	55541	1.36%	0.130%
15	10.086	1390	1394	1398	rBV	77580	71484	1.75%	0.167%
16	10.163	1404	1407	1411	rVB	64075	63125	1.55%	0.147%
17	10.363	1436	1441	1444	rVB2	41659	46744	1.15%	0.109%
18	10.469	1453	1459	1462	rBV	2223193	2553195	62.63%	5.960%
19	10.669	1490	1493	1501	rBV	104693	143283	3.51%	0.334%
20	11.075	1558	1562	1569	rVB	52642	60545	1.49%	0.141%
21	11.227	1584	1588	1591	rBV	84829	76305	1.87%	0.178%
22	11.316	1598	1603	1605	rBV	1425776	1463860	35.91%	3.417%
23	11.345	1605	1608	1611	rVV	622311	613776	15.06%	1.433%
24	11.404	1615	1618	1622	rVB	118022	112245	2.75%	0.262%
25	11.610	1650	1653	1656	rBV	62930	61366	1.51%	0.143%
26	11.939	1702	1709	1712	rBV	112241	128104	3.14%	0.299%
27	11.969	1712	1714	1719	rVV	155675	156162	3.83%	0.365%
28	12.027	1720	1724	1728	rVV	52324	68379	1.68%	0.160%
29	12.069	1728	1731	1734	rVV	168633	192696	4.73%	0.450%
30	12.098	1734	1736	1744	rVB	91224	91412	2.24%	0.213%
31	12.310	1769	1772	1773	rBV	74424	72942	1.79%	0.170%
32	12.327	1773	1775	1779	rVB	84962	77846	1.91%	0.182%
33	12.621	1817	1825	1828	rBV2	76355	112770	2.77%	0.263%
34	12.804	1850	1856	1860	rBV	810361	808624	19.84%	1.888%

LSC Area Percent Report

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Instrument : BNA_F
ClientSampleId : LOCUST-ST-IP(3-5)

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

35	12.980	1882	1886	1889	rBV2	56052	68171	1.67%	0.159%
36	13.080	1895	1903	1907	rBV2	756857	870590	21.36%	2.032%
37	13.239	1925	1930	1933	rBV	55657	64461	1.58%	0.150%
38	13.298	1933	1940	1943	rBV	2907844	3415585	83.78%	7.974%
39	13.368	1948	1952	1955	rVB	52991	76231	1.87%	0.178%
40	13.468	1963	1969	1971	rBV3	57519	96923	2.38%	0.226%
41	13.498	1971	1974	1977	rVB	104220	114832	2.82%	0.268%
42	13.580	1983	1988	1991	rBV	58738	62938	1.54%	0.147%
43	13.621	1991	1995	1998	rBV2	120276	127442	3.13%	0.298%
44	13.733	2011	2014	2017	rBV	60374	54017	1.33%	0.126%
45	13.768	2017	2020	2023	rBV	48478	47658	1.17%	0.111%
46	14.115	2073	2079	2087	rVB	72647	106629	2.62%	0.249%
47	14.251	2097	2102	2105	rBV2	61918	74884	1.84%	0.175%
48	14.292	2105	2109	2111	rBV	44841	50349	1.24%	0.118%
49	14.374	2120	2123	2129	rVB	66552	82296	2.02%	0.192%
50	14.463	2132	2138	2146	rBV4	114318	230037	5.64%	0.537%
51	14.563	2149	2155	2158	rVV2	1185591	1580645	38.77%	3.690%
52	14.592	2158	2160	2164	rVV	307022	328668	8.06%	0.767%
53	14.627	2164	2166	2170	rVV2	41035	41265	1.01%	0.096%
54	14.686	2171	2176	2179	rVB3	42930	53477	1.31%	0.125%
55	14.851	2201	2204	2208	rBV2	36059	55779	1.37%	0.130%
56	15.045	2233	2237	2240	rBV	74629	81797	2.01%	0.191%
57	15.086	2240	2244	2248	rVB2	42405	54202	1.33%	0.127%
58	15.415	2295	2300	2304	rBV7	28579	42818	1.05%	0.100%
59	15.786	2358	2363	2366	rBV	218944	323699	7.94%	0.756%
60	15.892	2378	2381	2385	rVB	42669	42969	1.05%	0.100%
61	16.074	2408	2412	2418	rVB	120480	145019	3.56%	0.339%
62	16.127	2418	2421	2425	rVB	187033	200715	4.92%	0.469%
63	16.192	2427	2432	2435	rBV	733074	838547	20.57%	1.958%
64	16.709	2516	2520	2525	rVB5	28852	46665	1.14%	0.109%
65	17.356	2624	2630	2636	rBV5	24673	64052	1.57%	0.150%
66	17.503	2650	2655	2664	rVB2	80425	160279	3.93%	0.374%
67	17.668	2678	2683	2688	rBV3	28521	72394	1.78%	0.169%
68	17.892	2715	2721	2731	rVB	60365	119181	2.92%	0.278%

Sum of corrected areas: 42835505

LSC Report - Integrated Chromatogram

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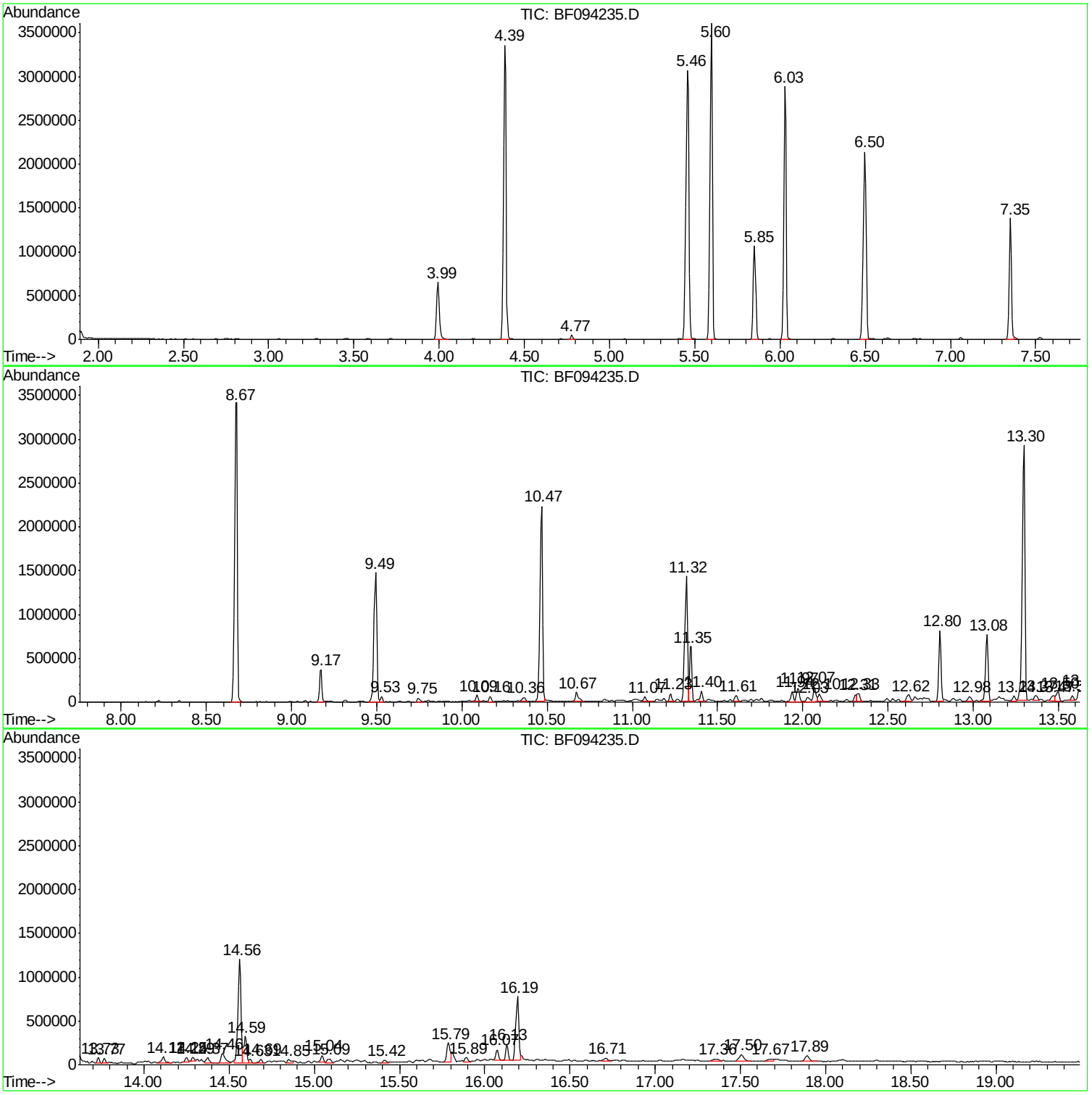
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : LOCUST-ST-IP(3-5)

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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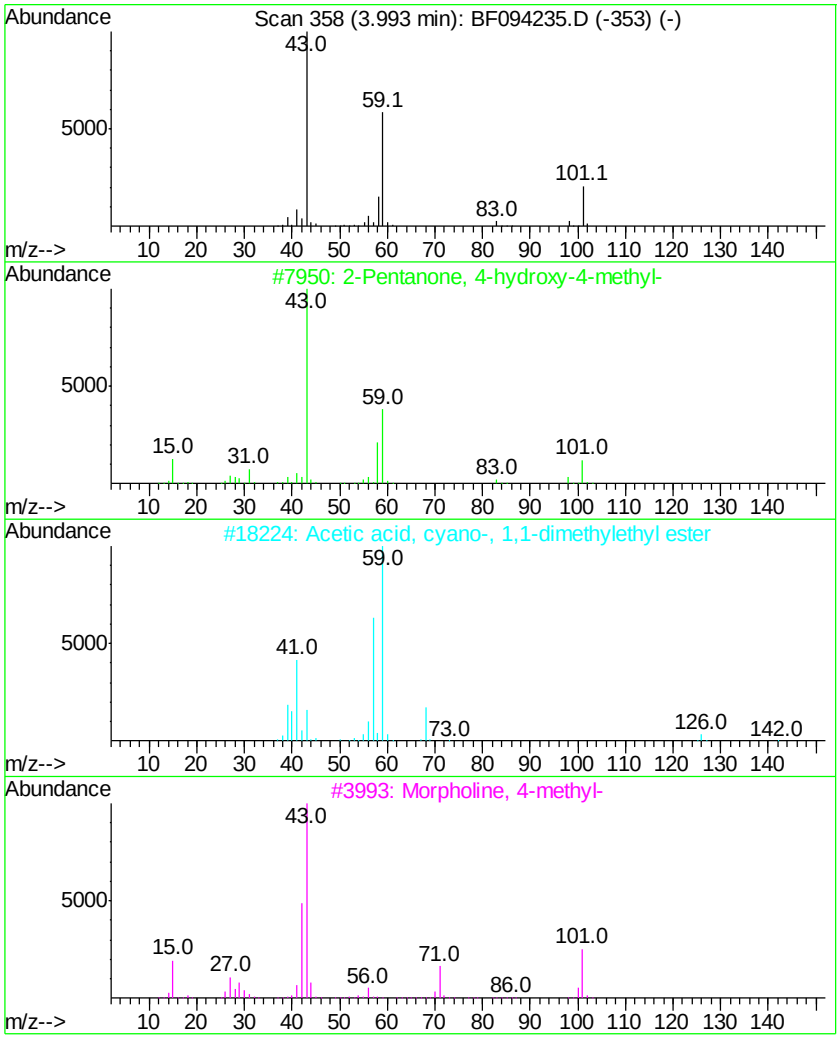
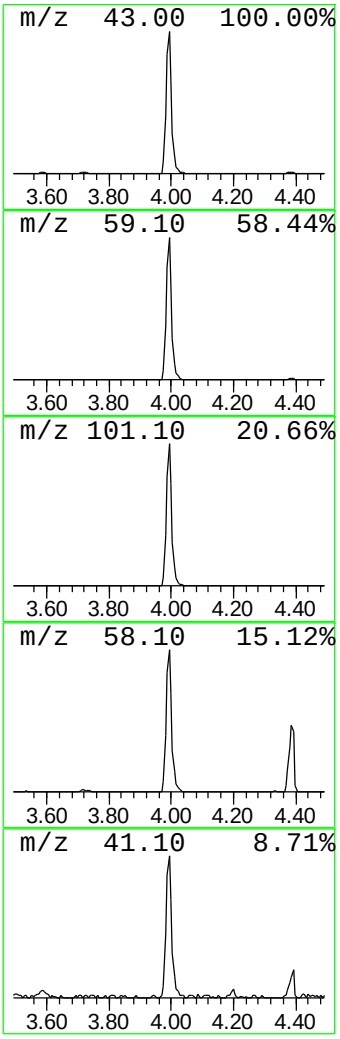
****

Peak Number 1 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.99	16.74 ng	800267	1,4-Dichlorobenzene-d4	5.85

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, cyano-, 1,1-dimethy...	141	C7H11NO2	001116-98-9	17
3	Morpholine, 4-methyl-	101	C5H11NO	000109-02-4	9
4	2,3-Butanedione, monooxime	101	C4H7NO2	000057-71-6	9
5	Butane, 1-ethoxy-	102	C6H14O	000628-81-9	9





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Instrument : BNA_F
ClientSampleId : LOCUST-ST-IP(3-5)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF032217.M
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TIC Library : C:\DATABASE\NIST02.L
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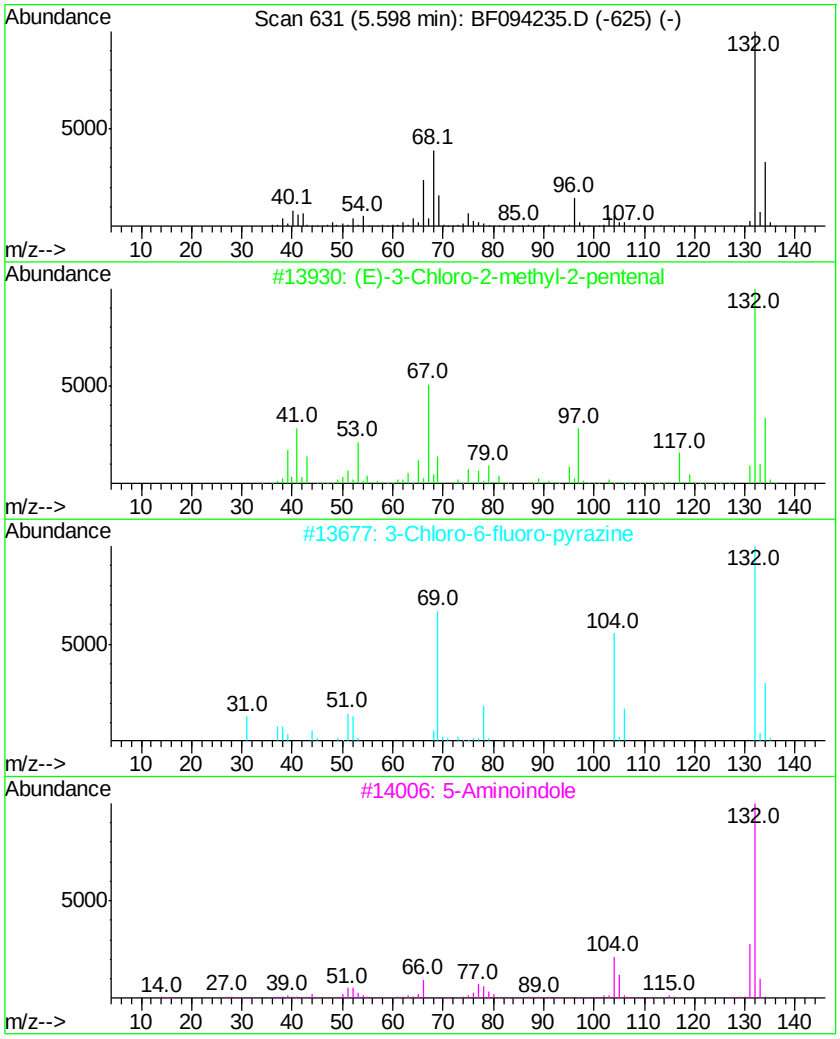
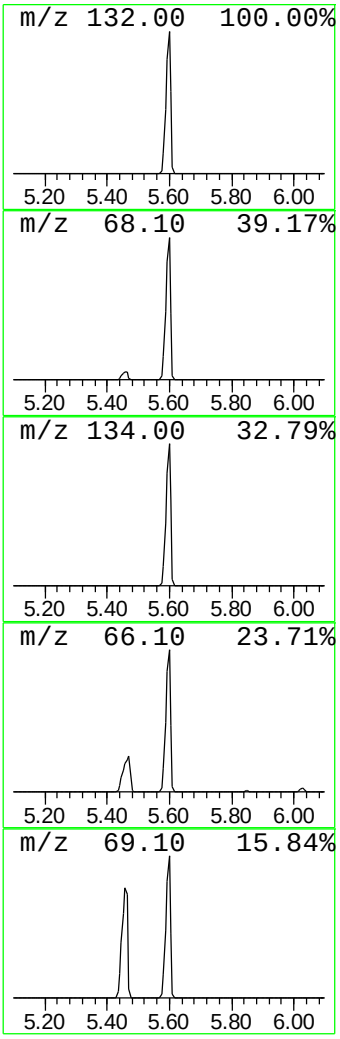
Peak Number 2 unknown5.60 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.60	80.49 ng	3848080	1,4-Dichlorobenzene-d4	5.85

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	(E)-3-Chloro-2-methyl-2-pentenal	132	C6H9ClO	031357-76-3	16
2	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	16
3	5-Aminoindole	132	C8H8N2	005192-03-0	12
4	Tranylcypromine-propionyl	189	C12H15NO	1000123-86-3	10
5	Benzene, 1,3,5-trifluoro-	132	C6H3F3	000372-38-3	9





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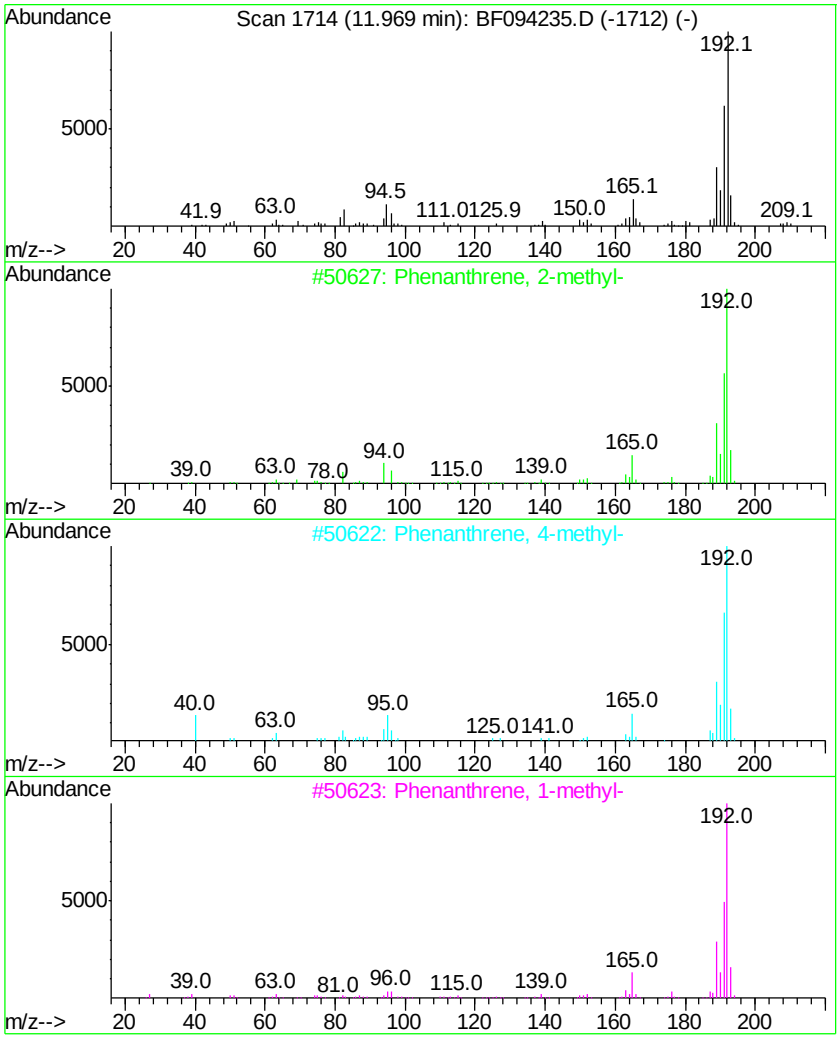
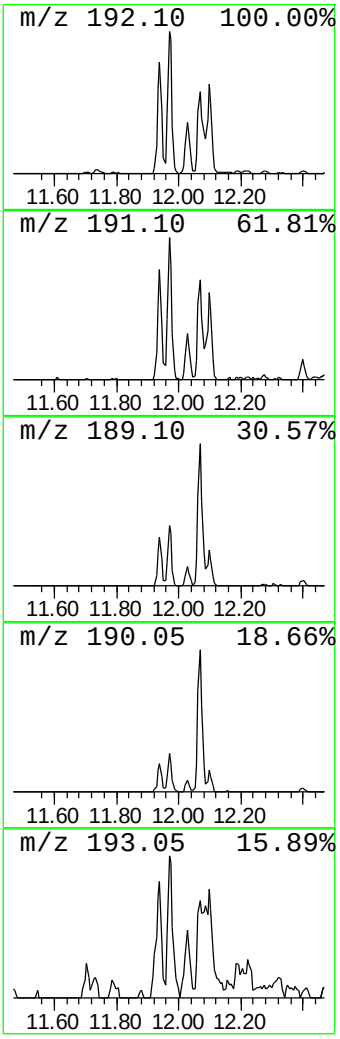
Peak Number 4 Phenanthrene, 2-methyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.97	2.13 ng	156162	Phenanthrene-d10	11.32

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
2	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	94
3	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	94
4	Anthracene, 2-methyl-	192	C15H12	000613-12-7	94
5	Anthracene, 1-methyl-	192	C15H12	000610-48-0	93





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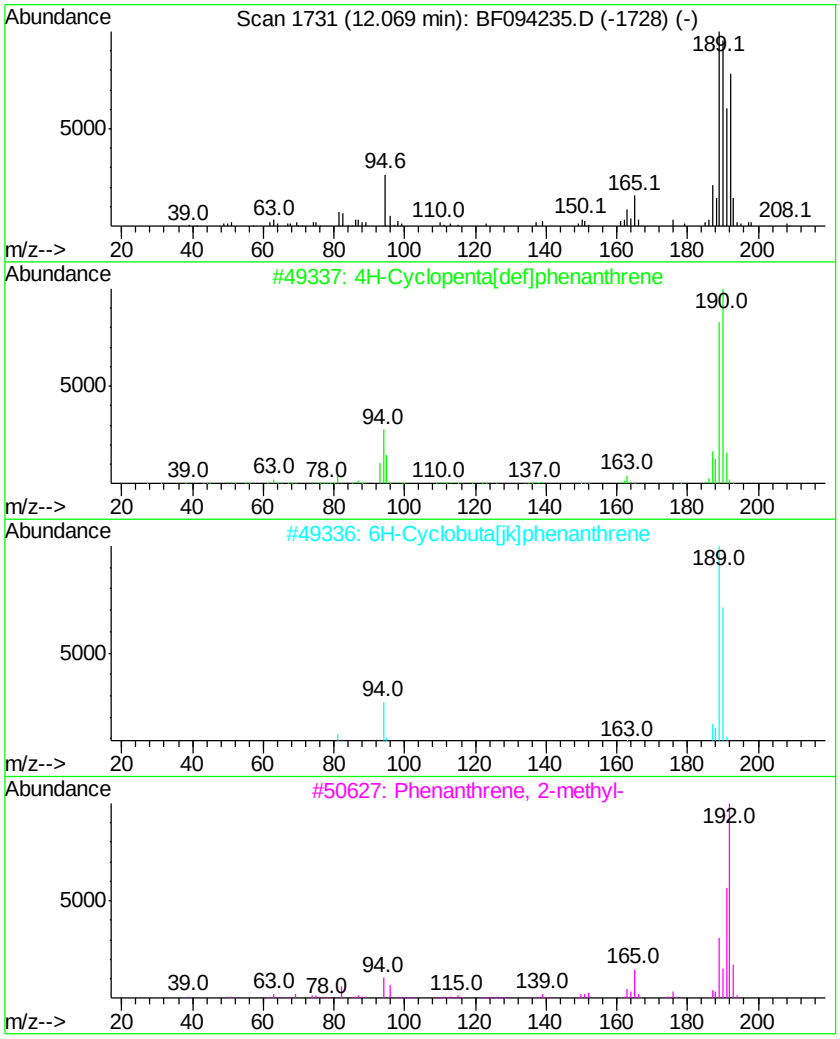
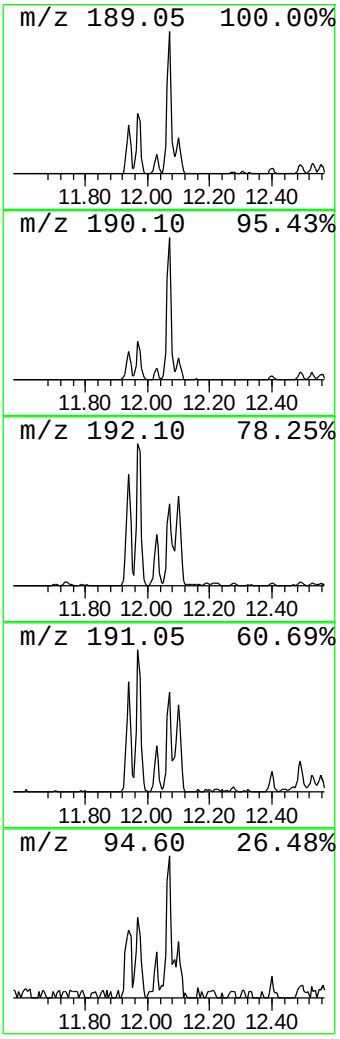
Peak Number 5 4H-Cyclopenta[def]phenanthrene Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.07	2.63 ng	192696	Phenanthrene-d10	11.32

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	60
2	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	49
3	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	46
4	5H-Dibenzo[a,d]cycloheptene	192	C15H12	000256-81-5	42
5	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	42





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Instrument : BNA_F
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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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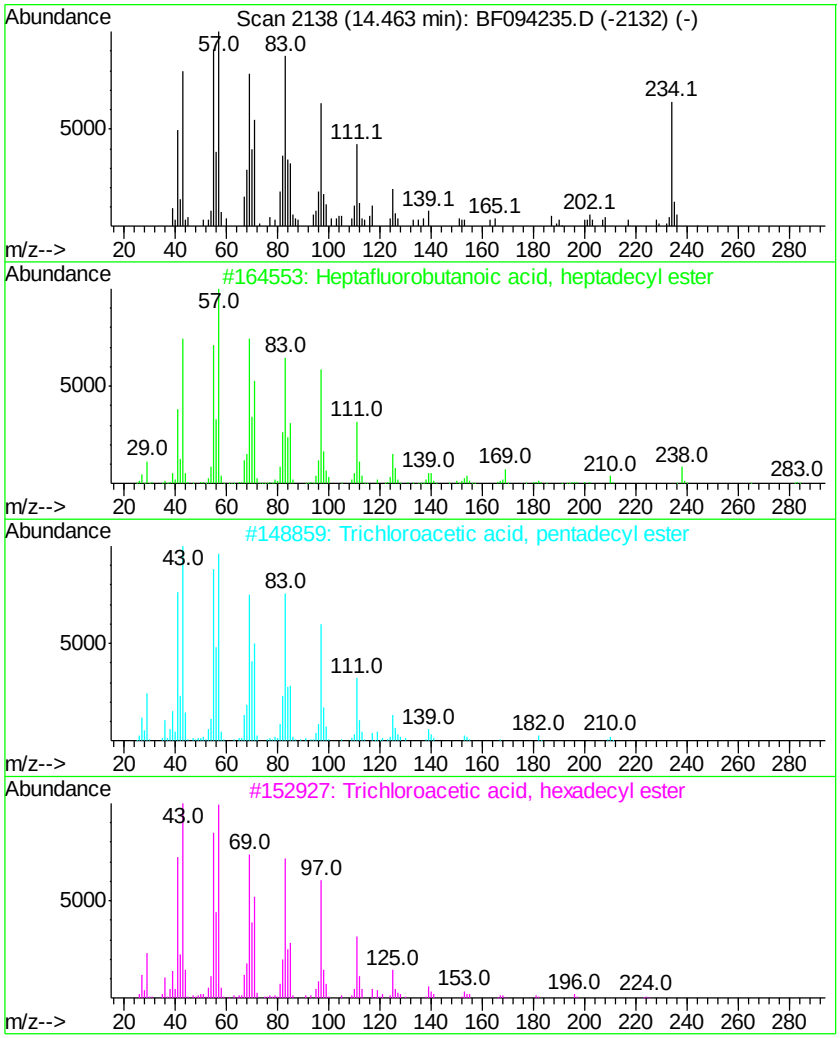
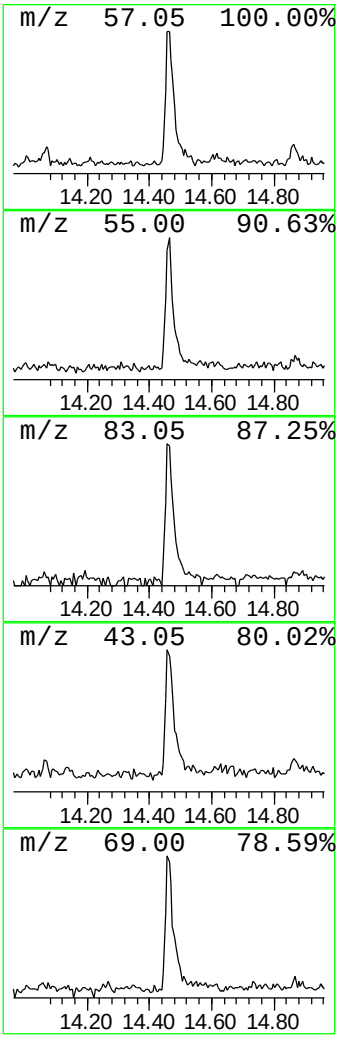
Peak Number 6 Heptafluorobutanoic acid, h... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.46	2.91 ng	230037	Chrysene-d12	14.56

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptafluorobutanoic acid, heptad...	452	C21H35F7O2	1000282-97-3	87
2	Trichloroacetic acid, pentadecyl...	372	C17H31Cl3O2	074339-53-0	87
3	Trichloroacetic acid, hexadecyl ...	386	C18H33Cl3O2	074339-54-1	87
4	Dichloroacetic acid, heptadecyl ...	366	C19H36Cl2O2	1000282-98-2	81
5	1-Octadecanol	270	C18H38O	000112-92-5	81





Tentatively Identified Compound (LSC) summary

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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...	3.99	16.7	ng	800267	1	5.85	956140	20.0
unknown5.60	5.60	80.5	ng	3848080	1	5.85	956140	20.0
Phenanthrene, 2-m...	11.97	2.1	ng	156162	4	11.32	1463860	20.0
4H-Cyclopenta[def...	12.07	2.6	ng	192696	4	11.32	1463860	20.0
Heptafluorobutano...	14.46	2.9	ng	230037	5	14.56	1580650	20.0