LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF100417\
Data File : BF099068.D
Acq On : 4 Oct 2017 15:52
Operator : SJ/JU
Sample : I5610-01
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 1A-(1-2)-COMP-(0-5)

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-BF092317.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	2.157	8	12	29	rVB	174504	260162	5.82%	0.546%
2	5.098	508	512	524	rVB	530532	829542	18.55%	1.742%
3	5.492	570	579	582	rBV	3263848	3958458	88.52%	8.311%
4	6.498	743	750	753	rBV	3132690	4229504	94.58%	8.880%
5	6.639	768	774	777	rBV	3664652	4149357	92.79%	8.712%
6	6.863	808	812	816	rBV	1178623	983633	22.00%	2.065%
7	7.022	832	839	842	rBV	2921846	2798650	62.58%	5.876%
8	7.433	897	909	911	rBV	2299986	2698211	60.34%	5.665%
9	8.145	1023	1030	1033	rBV	1587260	1397832	31.26%	2.935%
10	9.222	1207	1213	1216	rBV	4114588	4471998	100.00%	9.390%
11	9.292	1221	1225	1228	rBV2	43263	49458	1.11%	0.104%
12	9.357	1233	1236	1240	rVB	69519	62658	1.40%	0.132%
13	9.610	1276	1279	1283	rVB	754398	657530	14.70%	1.381%
14	9.692	1291	1293	1299	rVB3	40855	56989	1.27%	0.120%
15	9.763	1302	1305	1308	rBV3	59545	55796	1.25%	0.117%
16	9.822	1309	1315	1318	rVV3	72687	100433	2.25%	0.211%
17	9.904	1319	1329	1332	rVV	1606621	1580423	35.34%	3.318%
18	9.933	1332	1334	1336	rVB	88795	66541	1.49%	0.140%
19	10.051	1350	1354	1357	rBV4	32911	45037	1.01%	0.095%
20	10.098	1357	1362	1366	rVV2	85840	116157	2.60%	0.244%
21	10.304	1393	1397	1398	rBV2	57240	61511	1.38%	0.129%
22	10.322	1398	1400	1403	rVB	117422	99111	2.22%	0.208%
23	10.445	1418	1421	1426	rBV	90081	88227	1.97%	0.185%
24	10.545	1434	1438	1443	rVB	61568	86244	1.93%	0.181%
25	10.698	1457	1464	1467	rBV	2247271	2579029	57.67%	5.415%
26	10.810	1478	1483	1486	rBV2	169545	267087	5.97%	0.561%
27	10.992	1510	1514	1517	rBV4	39040	60172	1.35%	0.126%
28	11.245	1554	1557	1559	rBV	93577	86736	1.94%	0.182%
29	11.274	1559	1562	1568	rVB2	121333	146200	3.27%	0.307%
30	11.392	1578	1582	1584	rBV	1454262	1401085	31.33%	2.942%
31	11.410	1584	1585	1588	rVV	428310	286287	6.40%	0.601%
32	11.463	1591	1594	1596	rVB	222057	164318	3.67%	0.345%
33	11.492	1597	1599	1602	rBV2	44902	51006	1.14%	0.107%
34	11.616	1618	1620	1624	rBV2	49430	52792	1.18%	0.111%

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Operator : SJ/JU
Sample : I5610-01
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 1A-(1-2)-COMP-(0-5)

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-BF092317.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	11.668	1627	1629	1633	rBV2	50206	54448	1.22%	0.114%
36	11.886	1664	1666	1668	rBV2	75346	71621	1.60%	0.150%
37	11.916	1668	1671	1675	rVV	263903	252588	5.65%	0.530%
38	12.004	1683	1686	1688	rBV	132601	154125	3.45%	0.324%
39	12.615	1786	1790	1792	rBV	780035	707438	15.82%	1.485%
40	12.645	1792	1795	1798	rVB	350420	308274	6.89%	0.647%
41	12.815	1821	1824	1825	rBV2	165210	150736	3.37%	0.316%
42	12.833	1825	1827	1833	rVB	738500	636771	14.24%	1.337%
43	12.951	1844	1847	1848	rBV	175809	173925	3.89%	0.365%
44	12.980	1848	1852	1855	rVB	2936144	3053655	68.28%	6.412%
45	13.157	1880	1882	1886	rVB2	156967	179281	4.01%	0.376%
46	13.192	1886	1888	1891	rVB	91485	68447	1.53%	0.144%
47	13.227	1891	1894	1896	rBV	139656	131895	2.95%	0.277%
48	13.651	1964	1966	1973	rVB2	232703	238681	5.34%	0.501%
49	13.857	1997	2001	2008	rVV2	636226	708578	15.84%	1.488%
50	14.027	2025	2030	2033	rBV2	1003008	1153276	25.79%	2.421%
51	14.051	2033	2034	2042	rVB	344219	256048	5.73%	0.538%
52	14.180	2053	2056	2057	rBV2	52729	55564	1.24%	0.117%
53	14.304	2075	2077	2080	rVB2	73707	54336	1.22%	0.114%
54	14.409	2093	2095	2098	rVB	67167	57205	1.28%	0.120%
55	14.486	2105	2108	2114	rBV	464986	687583	15.38%	1.444%
56	14.539	2114	2117	2119	rVV3	54359	54414	1.22%	0.114%
57	14.933	2182	2184	2187	rVB2	66016	66398	1.48%	0.139%
58	15.068	2203	2207	2210	rBV	178649	264274	5.91%	0.555%
59	15.127	2214	2217	2219	rVV	223355	234630	5.25%	0.493%
60	15.156	2219	2222	2228	rVB2	168707	260544	5.83%	0.547%
61	15.374	2255	2259	2265	rVB	102973	146918	3.29%	0.308%
62	15.433	2266	2269	2275	rVB	148051	188129	4.21%	0.395%
63	15.498	2275	2280	2285	rBV	642333	847194	18.94%	1.779%
64	15.715	2313	2317	2322	rVB2	56089	74671	1.67%	0.157%
65	15.945	2351	2356	2360	rBV	147363	204753	4.58%	0.430%
66	15.998	2361	2365	2372	rVV3	94297	169455	3.79%	0.356%
67	16.062	2373	2376	2383	rVB2	50723	73221	1.64%	0.154%
68	16.451	2439	2442	2451	rVB5	53251	96208	2.15%	0.202%
69	16.745	2488	2492	2499	rBV5	40882	73332	1.64%	0.154%
70	16.968	2526	2530	2535	rBV2	59557	114288	2.56%	0.240%
71	17.139	2554	2559	2565	rBV6	46075	100418	2.25%	0.211%

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Misc :
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Instrument : BNA_F
ClientSampleId : 1A-(1-2)-COMP-(0-5)

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-BF092317.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

72	17.286	2581	2584	2597	rVB10	54709	139939	3.13%	0.294%
73	17.415	2603	2606	2614	rVB	47745	81512	1.82%	0.171%
74	17.550	2623	2629	2637	rBV9	74955	209697	4.69%	0.440%
75	17.639	2638	2644	2655	rVB6	200539	526559	11.77%	1.106%
76	17.892	2681	2687	2693	rBV7	80573	198684	4.44%	0.417%
77	18.115	2719	2725	2734	rBV5	112106	269798	6.03%	0.566%
78	18.362	2762	2767	2776	rVB5	30050	79488	1.78%	0.167%

Sum of corrected areas: 47627173

Data Path : Z:\HPCHEM1\BNA F\DATA\BF100417\
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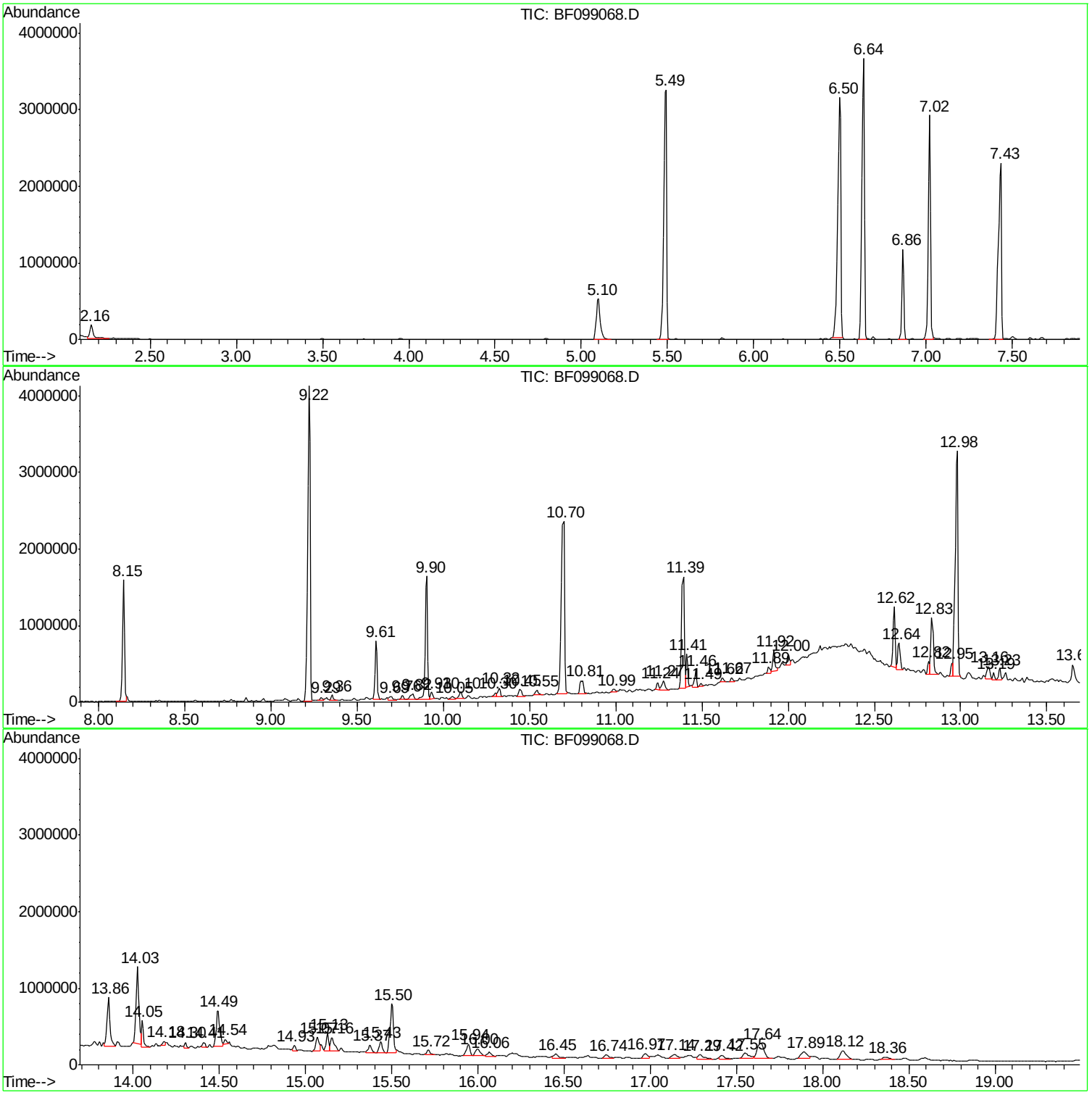
Operator : SJ/JU
Sample : I5610-01
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 1A-(1-2)-COMP-(0-5)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF092317.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\BF100417\
Data File : BF099068.D
Acq On : 4 Oct 2017 15:52
Operator : SJ/JU
Sample : I5610-01
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 1A-(1-2)-COMP-(0-5)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF092317.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

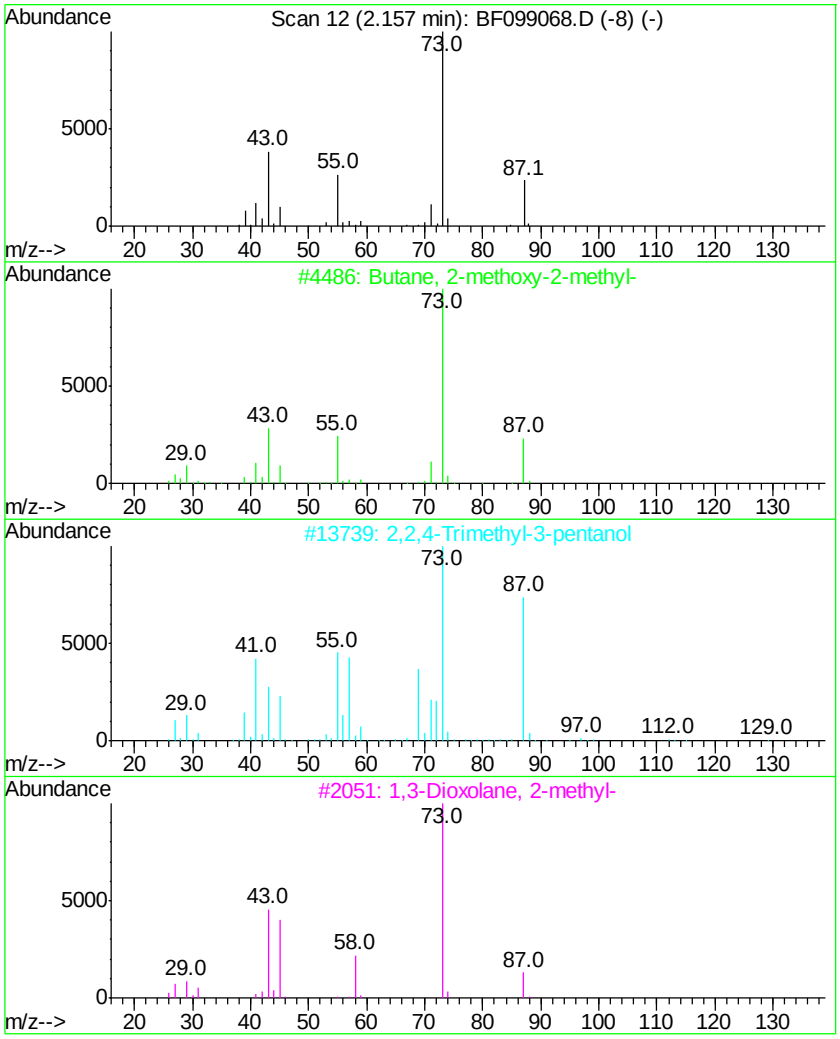
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

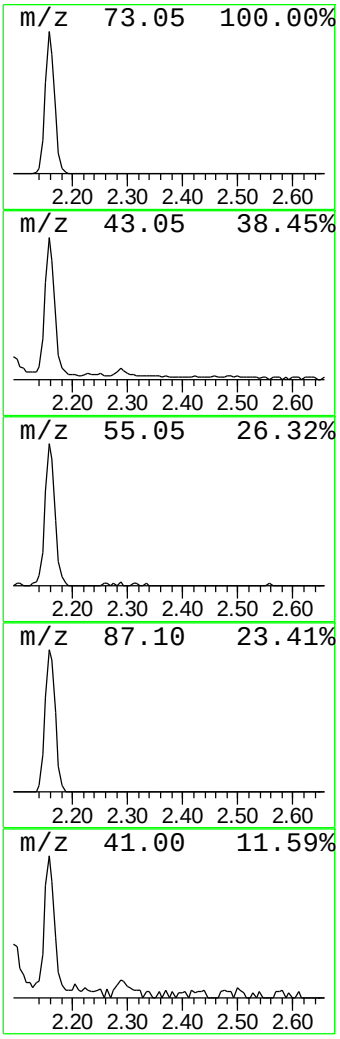
****

Peak Number 1 Butane, 2-methoxy-2-methyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.16	5.29 ng	260162	1,4-Dichlorobenzene-d4	6.86

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butane, 2-methoxy-2-methyl-	102	C6H14O	000994-05-8	83
2	2,2,4-Trimethyl-3-pentanol	130	C8H18O	005162-48-1	39
3	1,3-Dioxolane, 2-methyl-	88	C4H8O2	000497-26-7	25
4	Boronic acid, ethyl-, dimethyl e...	102	C4H11BO2	007318-82-3	12
5	Pentane, 3-methoxy-	102	C6H14O	036839-67-5	12





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Data File : BF099068.D
Acq On : 4 Oct 2017 15:52
Operator : SJ/JU
Sample : I5610-01
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 1A-(1-2)-COMP-(0-5)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF092317.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

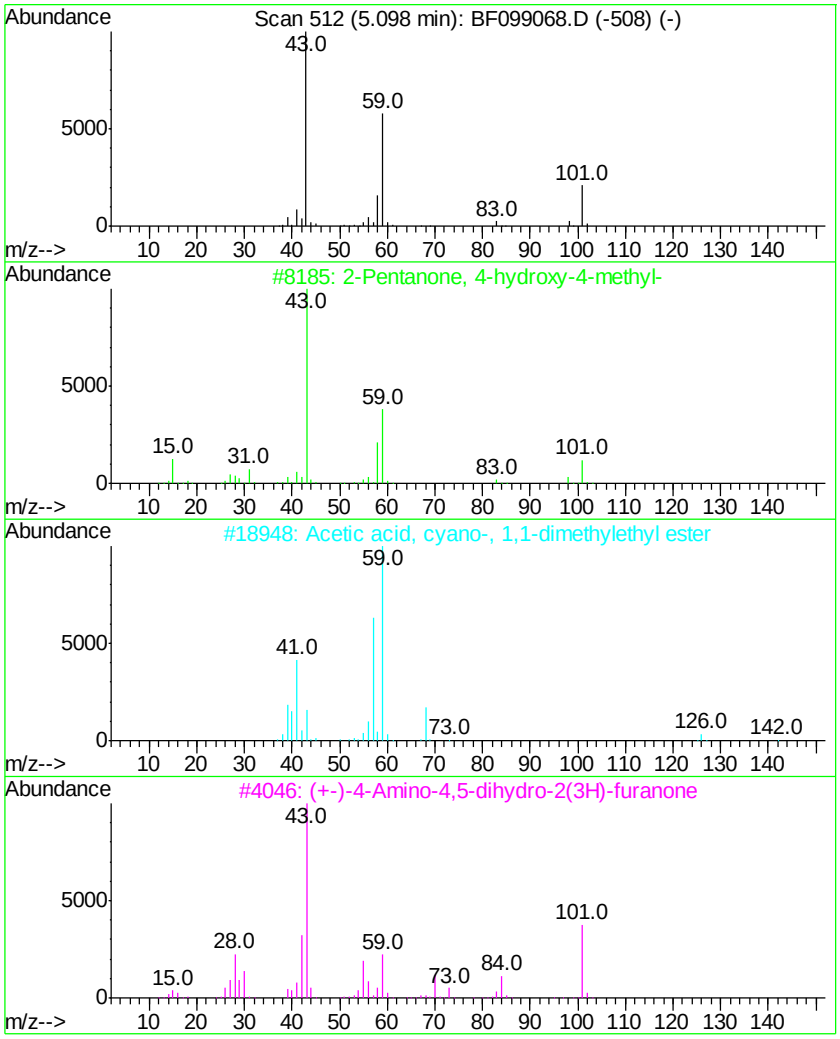
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

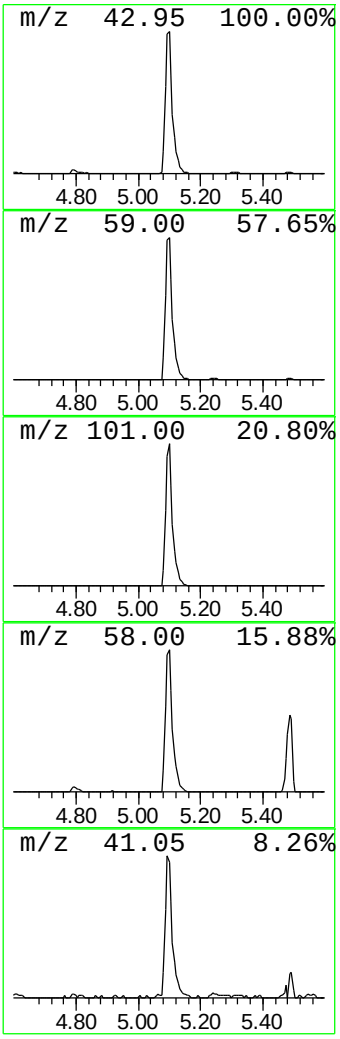
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.10	16.87 ng	829542	1,4-Dichlorobenzene-d4	6.86

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	72
2	Acetic acid, cyano-, 1,1-dimethy...	141	C7H11NO2	001116-98-9	17
3	(+-)-4-Amino-4,5-dihydro-2(3H)-f...	101	C4H7NO2	016504-58-8	9
4	Butane, 1-ethoxy-	102	C6H14O	000628-81-9	9
5	Morpholine, 4-methyl-	101	C5H11NO	000109-02-4	9





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Instrument : BNA_F
ClientSampleId : 1A-(1-2)-COMP-(0-5)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF092317.M
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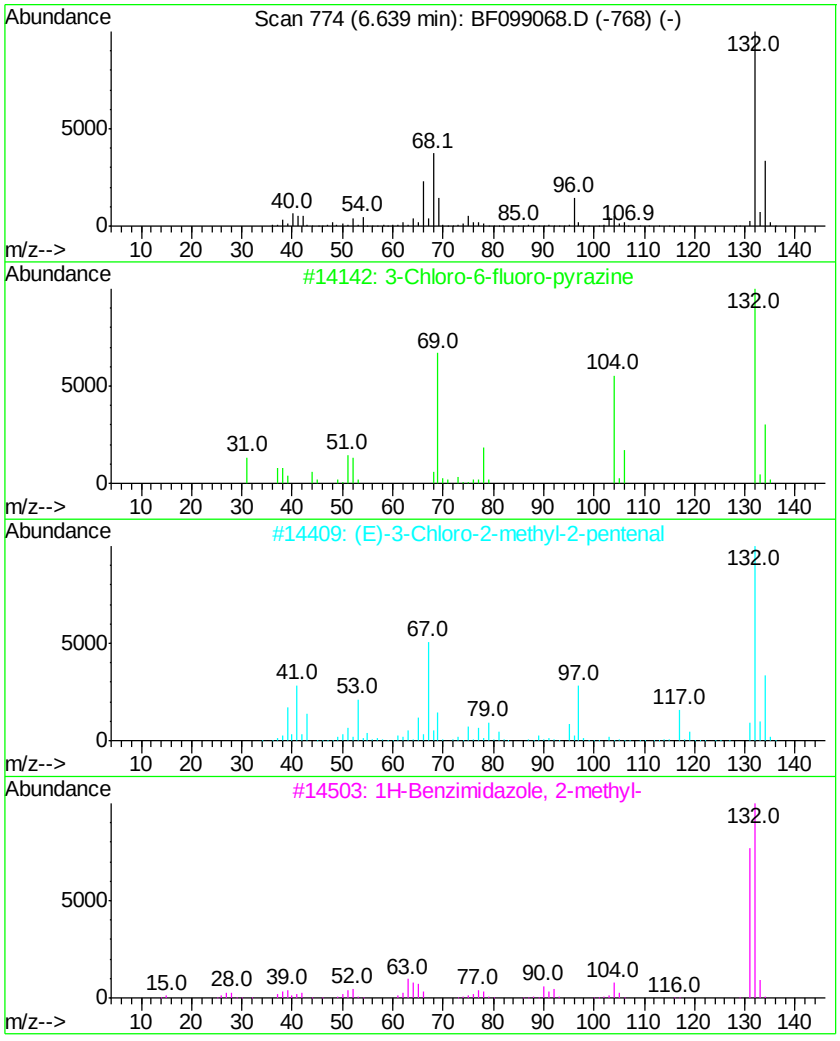
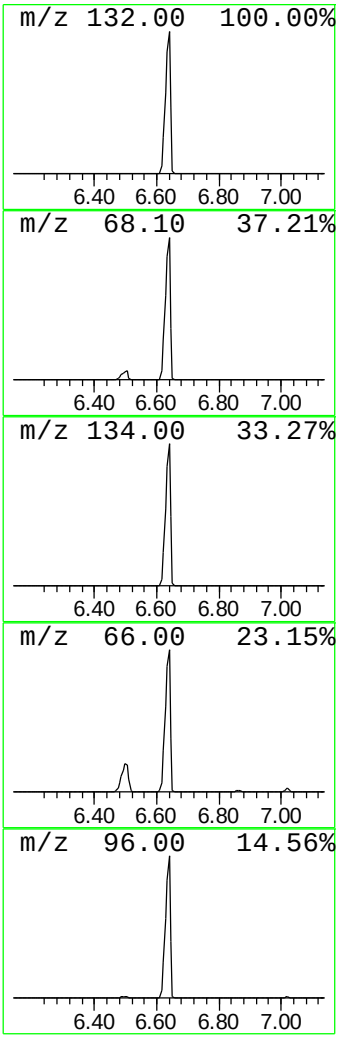
****

Peak Number 3 unknown6.64 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.64	84.37 ng	4149360	1,4-Dichlorobenzene-d4	6.86

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	35
2	(E)-3-Chloro-2-methyl-2-pentenal	132	C6H9ClO	031357-76-3	25
3	1H-Benzimidazole, 2-methyl-	132	C8H8N2	000615-15-6	10
4	4-Chloro-6-fluoro-pyrimidine	132	C4H2ClFN2	051422-01-6	9
5	4-Chloro-2-fluoro-pyrimidine	132	C4H2ClFN2	051422-00-5	9





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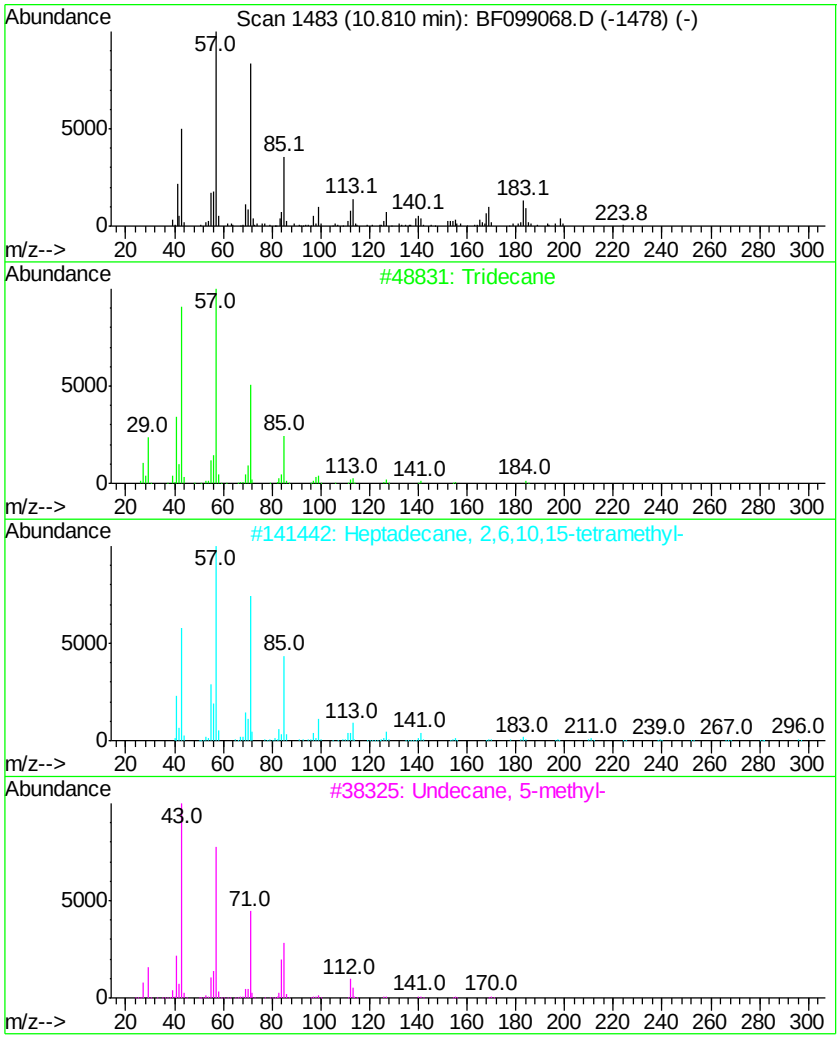
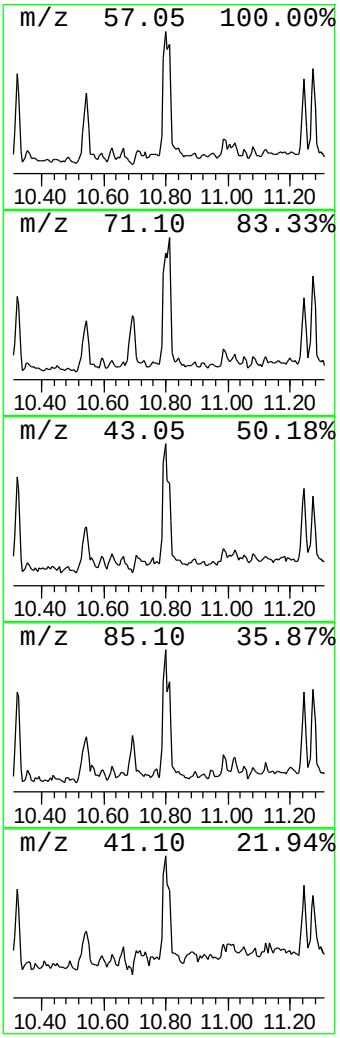
Peak Number 5 Tridecane Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.81	3.81 ng	267087	Phenanthrene-d10	11.39

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tridecane	184	C13H28	000629-50-5	74
2	Heptadecane, 2,6,10,15-tetramethyl-	296	C21H44	054833-48-6	72
3	Undecane, 5-methyl-	170	C12H26	001632-70-8	68
4	Decane, 3,6-dimethyl-	170	C12H26	017312-53-7	64
5	Dodecane, 2,7,10-trimethyl-	212	C15H32	074645-98-0	64





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Misc :
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Instrument : BNA_F
ClientSampleId : 1A-(1-2)-COMP-(0-5)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF092317.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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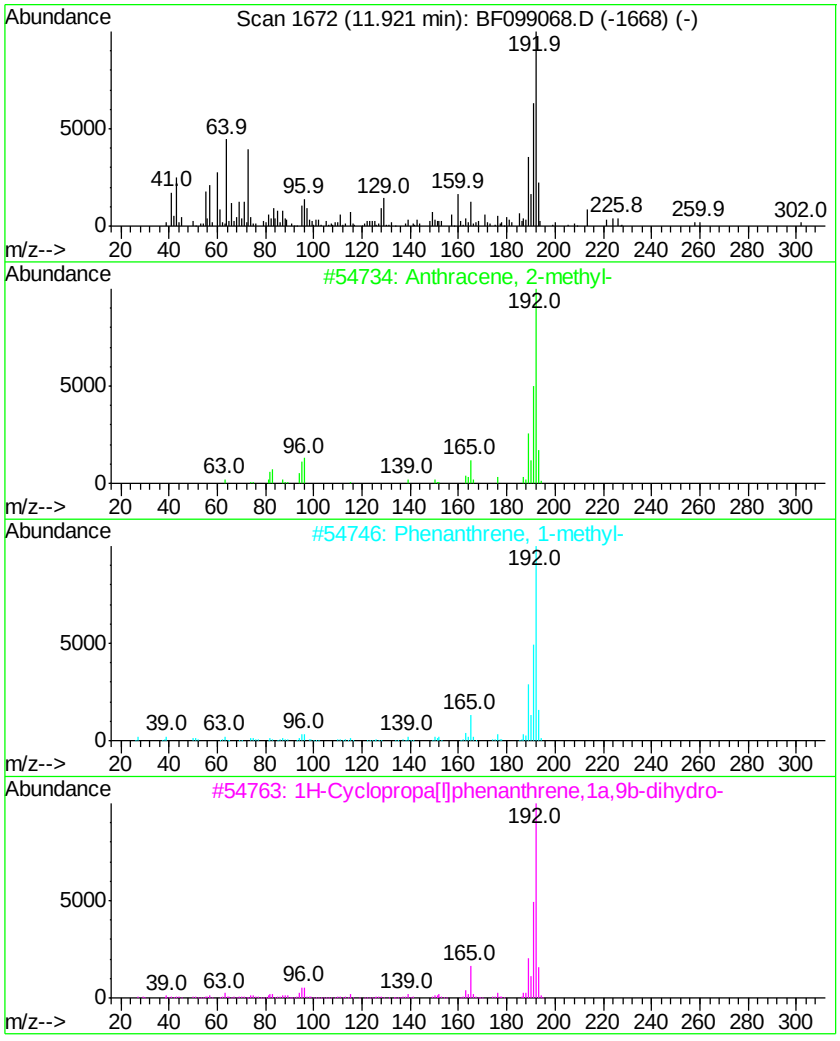
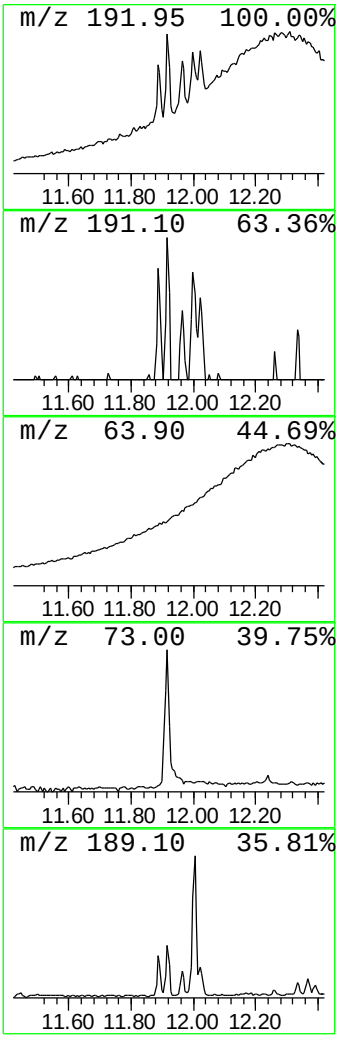
Peak Number 6 Anthracene, 2-methyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.92	3.61 ng	252588	Phenanthrene-d10	11.39

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	95
3	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	90
4	Anthracene, 1-methyl-	192	C15H12	000610-48-0	87
5	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	86





Data Path : Z:\HPCHEM1\BNA F\DATA\BF100417\
Data File : BF099068.D
Acq On : 4 Oct 2017 15:52
Operator : SJ/JU
Sample : I5610-01
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 1A-(1-2)-COMP-(0-5)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF092317.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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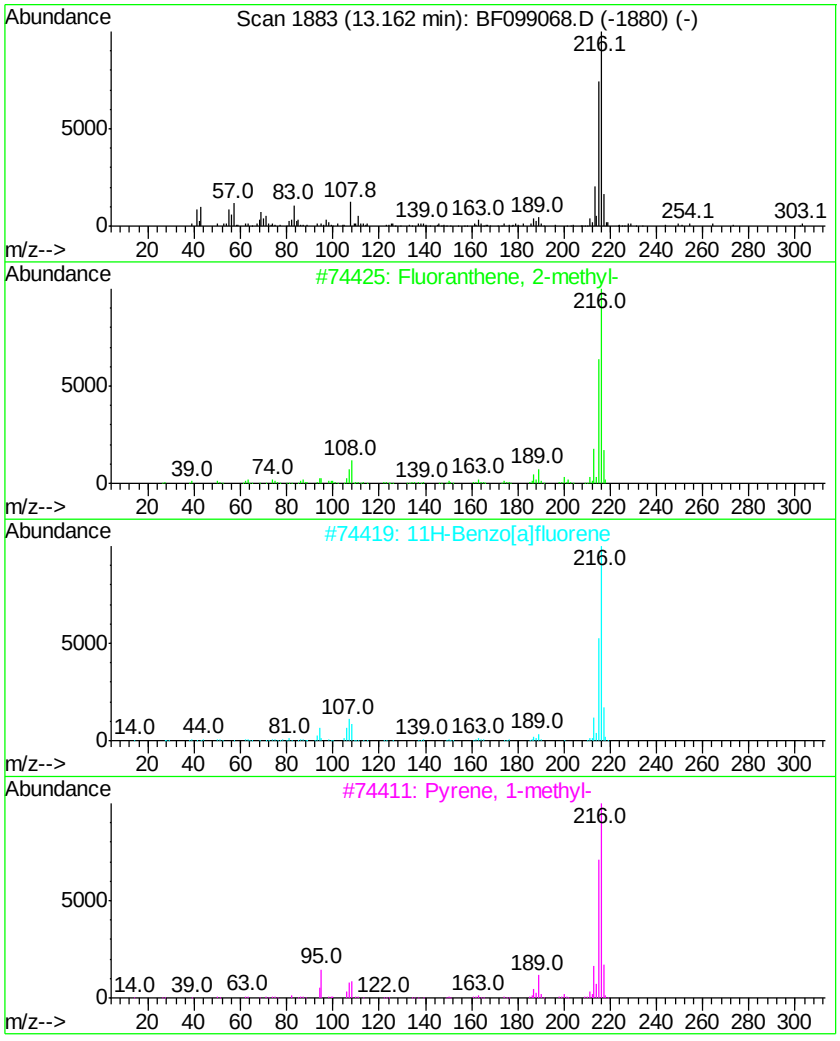
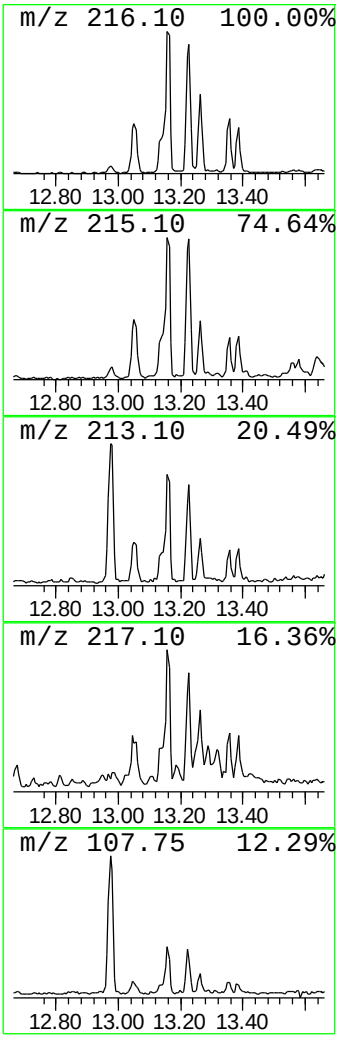
Peak Number 7 Fluoranthene, 2-methyl- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.16	3.11 ng	179281	Chrysene-d12	14.03

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	93
2	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	90
3	Pyrene, 1-methyl-	216	C17H12	002381-21-7	81
4	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	81
5	Pyrene, 2-methyl-	216	C17H12	003442-78-2	80





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Acq On : 4 Oct 2017 15:52
Operator : SJ/JU
Sample : I5610-01
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 1A-(1-2)-COMP-(0-5)

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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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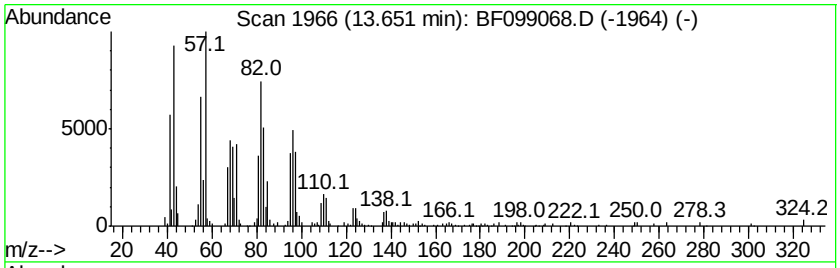
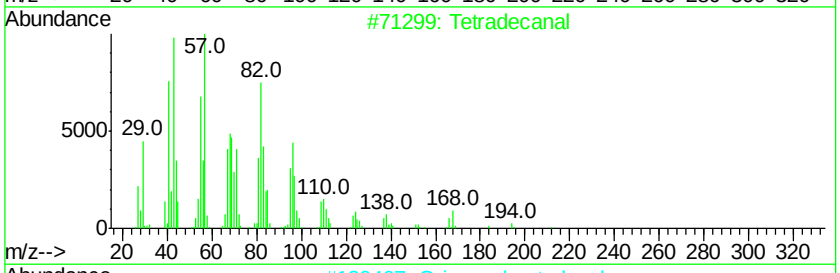
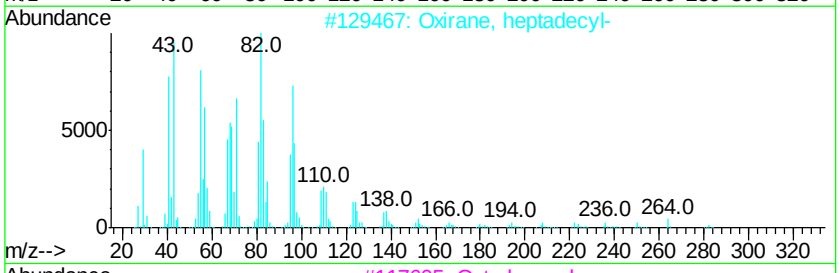
Peak Number 8 Tetradecanal Concentration Rank 14

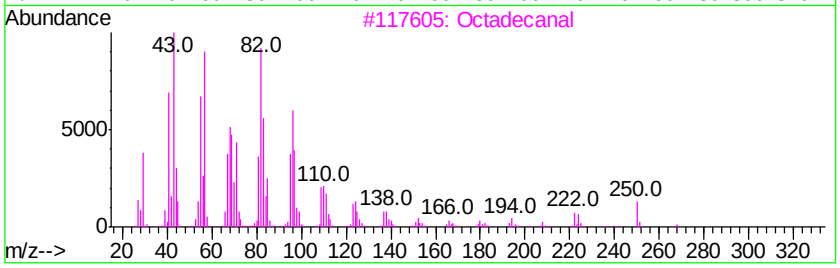
R.T.	EstConc	Area	Relative to ISTD	R.T.
13.65	4.14 ng	238681	Chrysene-d12	14.03

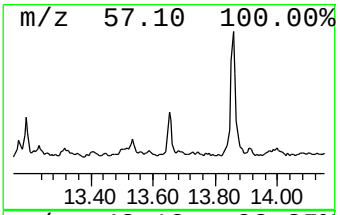
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tetradecanal	212	C14H28O	000124-25-4	94
2	Oxirane, heptadecyl-	282	C19H38O	067860-04-2	91
3	Octadecanal	268	C18H36O	000638-66-4	91
4	Hexadecanal	240	C16H32O	000629-80-1	90
5	13-Octadecenal	266	C18H34O	056554-90-6	90

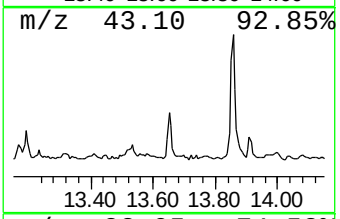


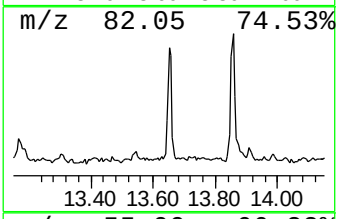


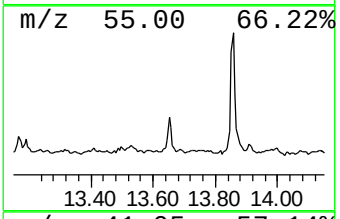


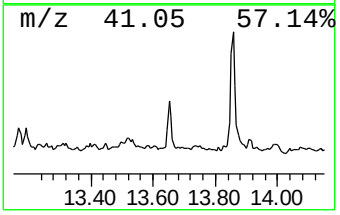












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Sample : I5610-01
Misc :
ALS Vial : 4 Sample Multiplier: 1

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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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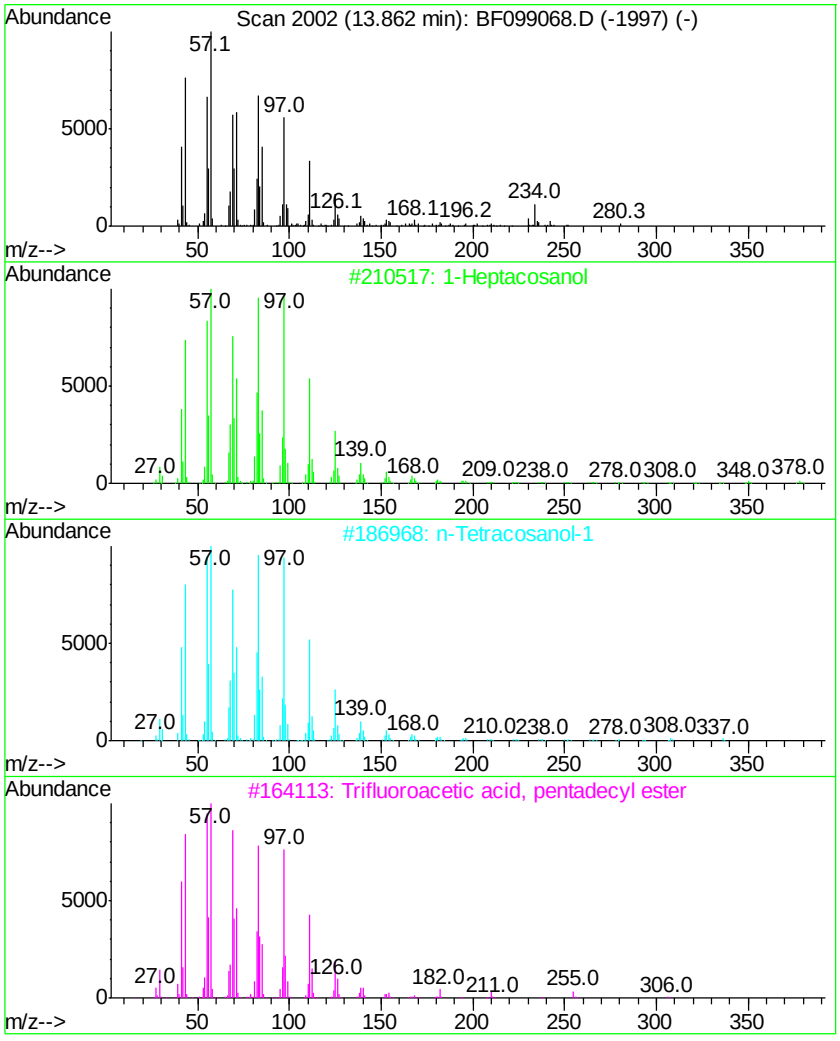
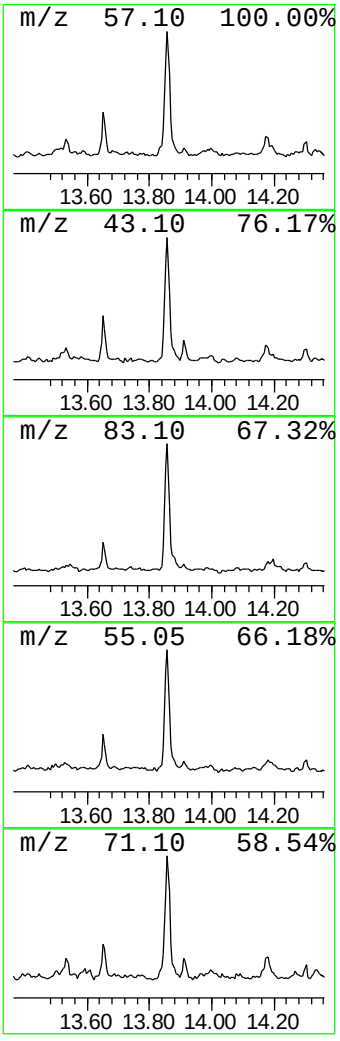
Peak Number 9 1-Heptacosanol Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.86	12.29 ng	708578	Chrysene-d12	14.03

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Heptacosanol	396	C27H56O	002004-39-9	91
2	n-Tetracosanol-1	354	C24H50O	000506-51-4	90
3	Trifluoroacetic acid, pentadecyl...	324	C17H31F3O2	959010-23-2	90
4	Behenic alcohol	326	C22H46O	000661-19-8	90
5	1-Nonadecene	266	C19H38	018435-45-5	87





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ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 1A-(1-2)-COMP-(0-5)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF092317.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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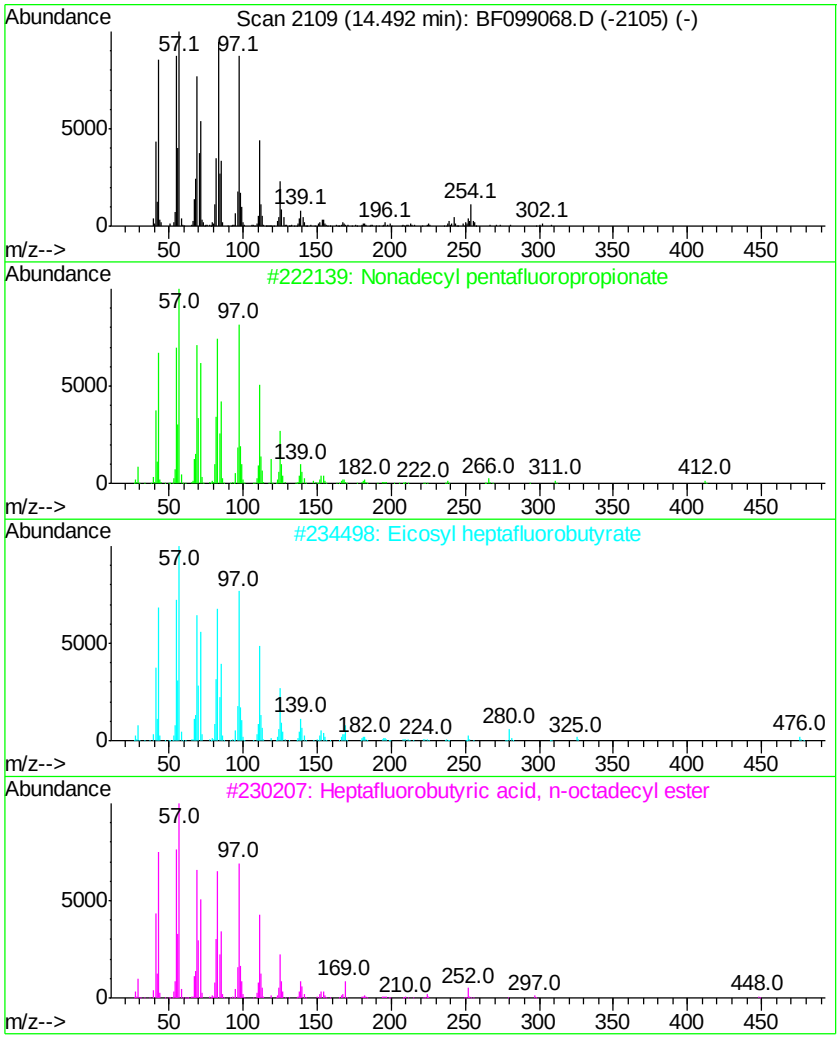
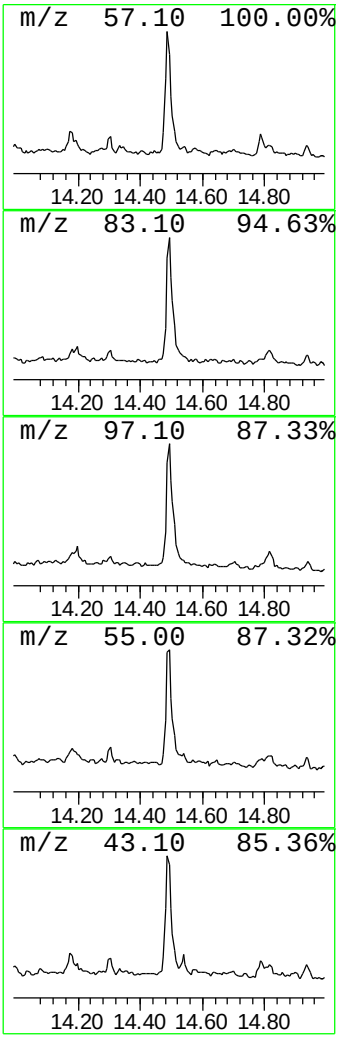
Peak Number 10 Nonadecyl pentafluoropropio... Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.49	11.92 ng	687583	Chrysene-d12	14.03

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Nonadecyl pentafluoropropionate	430	C22H39F5O2	1000351-88-8	91
2	Eicosyl heptafluorobutyrate	494	C24H41F7O2	1000351-83-5	91
3	Heptafluorobutyric acid, n-octad...	466	C22H37F7O2	000400-57-7	91
4	Heptadecyl heptafluorobutyrate	452	C21H35F7O2	959085-66-6	91
5	Eicosyl pentafluoropropionate	444	C23H41F5O2	1000351-80-8	91





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ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 1A-(1-2)-COMP-(0-5)

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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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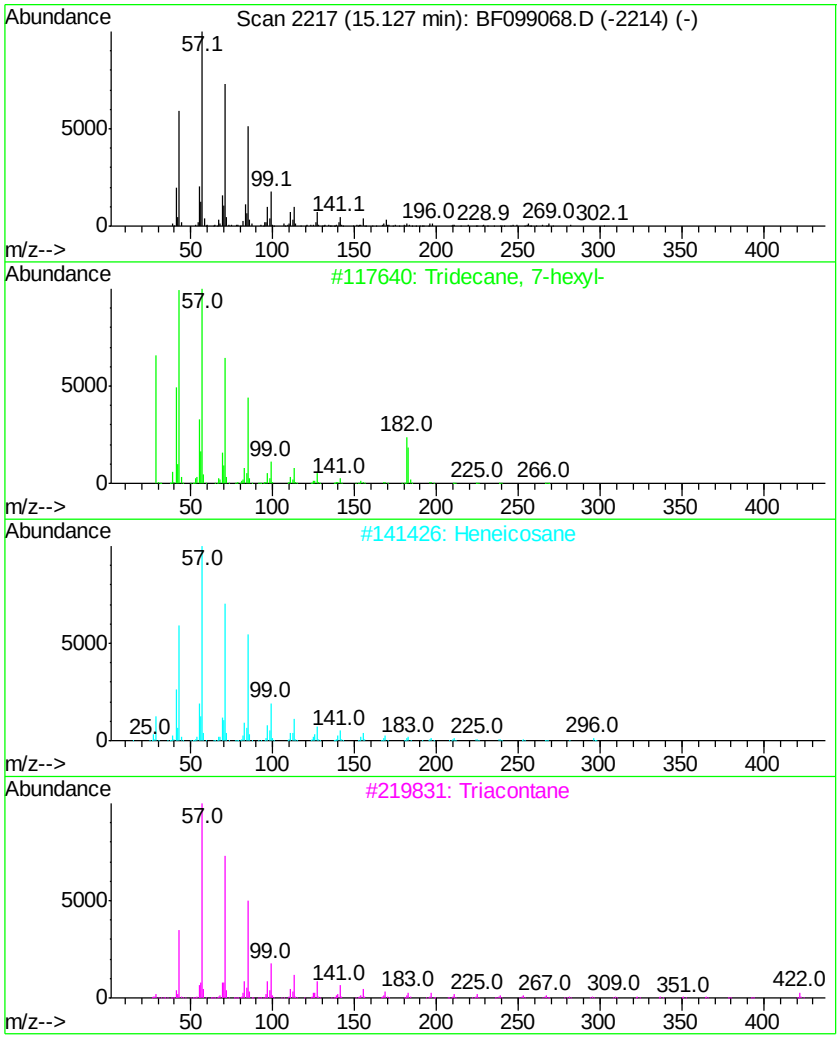
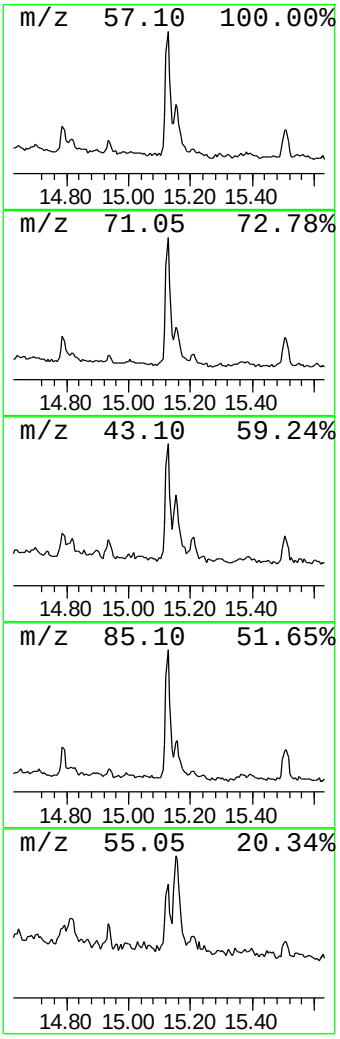
Peak Number 11 Tridecane, 7-hexyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.13	5.54 ng	234630	Perylene-d12	15.50

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tridecane, 7-hexyl-	268	C19H40	007225-66-3	91
2	Heneicosane	296	C21H44	000629-94-7	91
3	Triacontane	422	C30H62	000638-68-6	91
4	Heptacosane	380	C27H56	000593-49-7	91
5	Heptadecane, 9-octyl-	352	C25H52	007225-64-1	91





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Instrument : BNA_F
ClientSampleId : 1A-(1-2)-COMP-(0-5)

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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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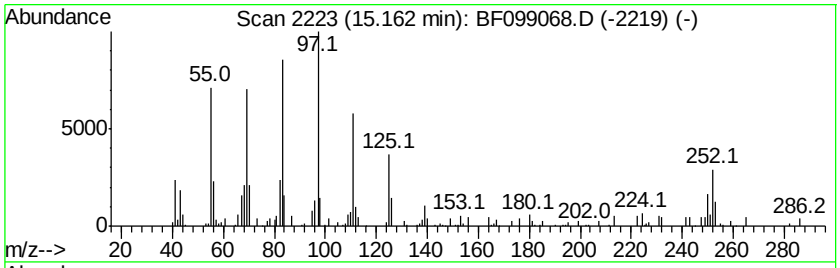
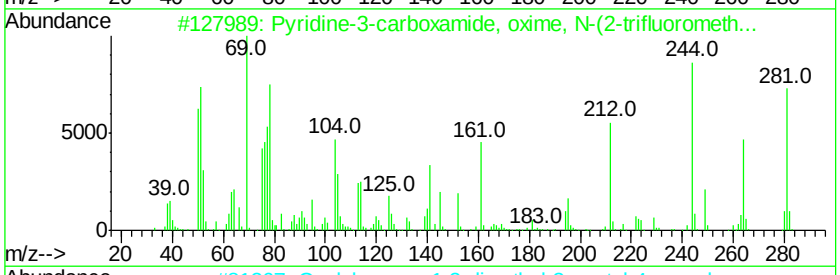
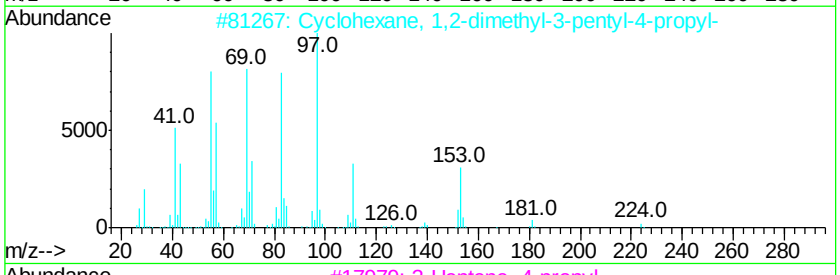
Peak Number 12 Pyridine-3-carboxamide, oxi... Concentration Rank 8

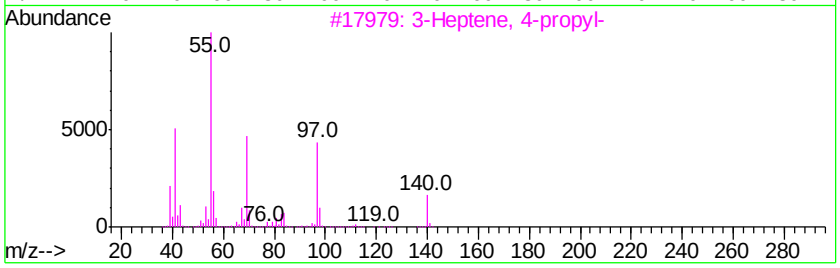
R.T.	EstConc	Area	Relative to ISTD	R.T.
15.16	6.15 ng	260544	Perylene-d12	15.50

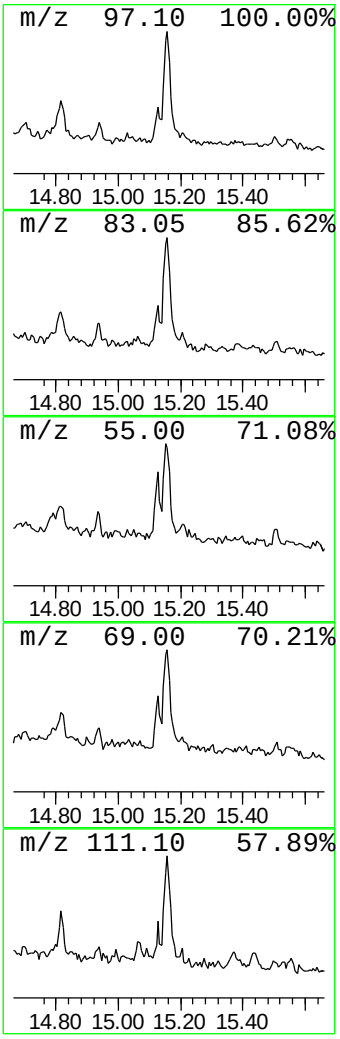
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyridine-3-carboxamide, oxime, N...	281	C13H10F3N3O	288246-53-7	90
2	Cyclohexane, 1,2-dimethyl-3-pent...	224	C16H32	062376-17-4	81
3	3-Heptene, 4-propyl-	140	C10H20	004485-13-6	43
4	Cyclopentane, (2-methylbutyl)-	140	C10H20	053366-38-4	42
5	3,5-Dimethyl-3-heptene	126	C9H18	059643-68-4	35











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Sample : I5610-01
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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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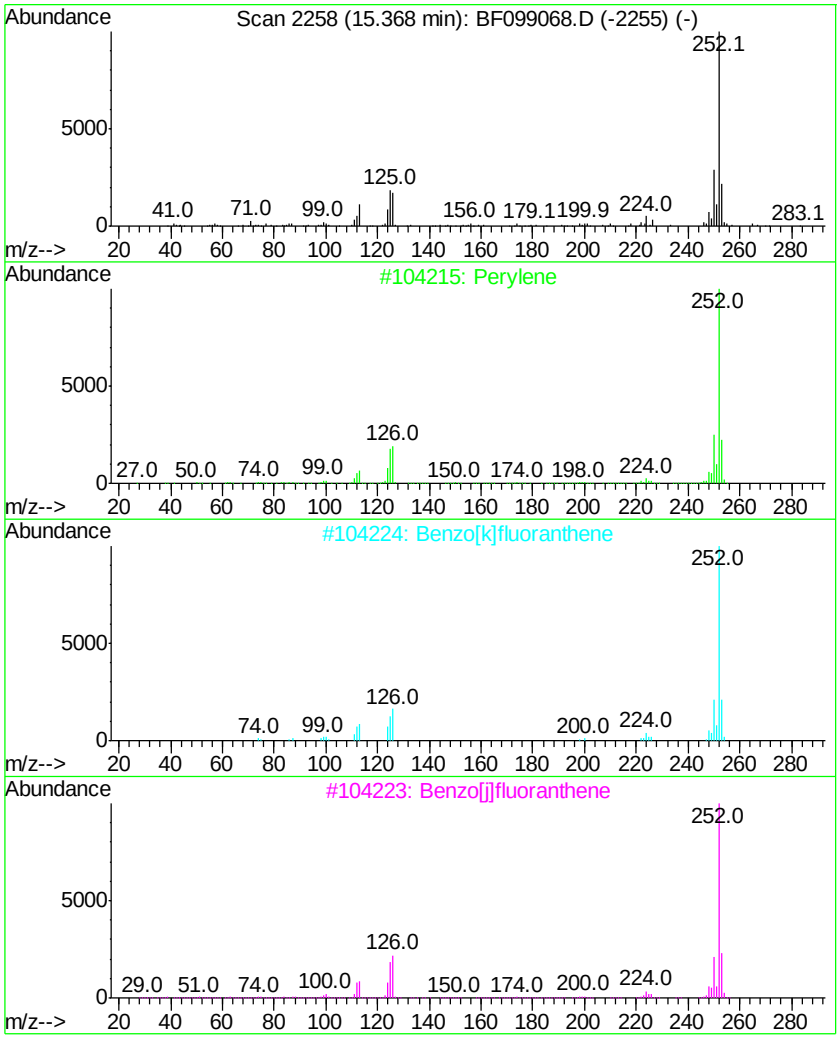
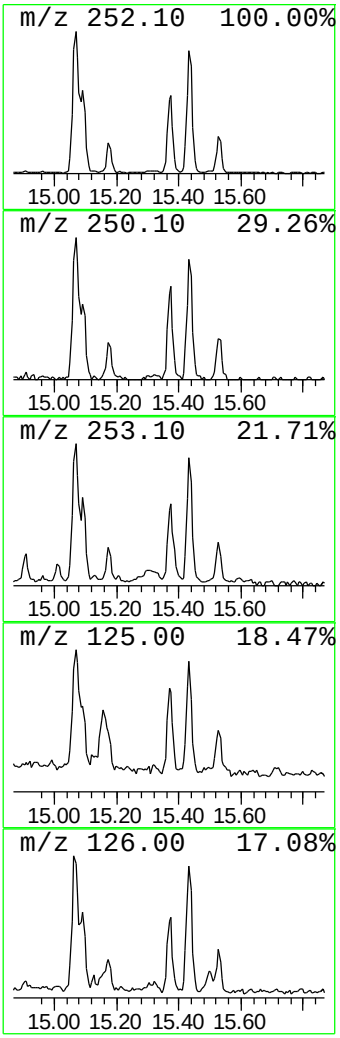
Peak Number 13 Perylene Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.37	3.47 ng	146918	Perylene-d12	15.50

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Perylene	252	C20H12	000198-55-0	99
2	Benzo[k]fluoranthene	252	C20H12	000207-08-9	98
3	Benzo[j]fluoranthene	252	C20H12	000205-82-3	96
4	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	96
5	Benzo[e]pyrene	252	C20H12	000192-97-2	96





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ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 1A-(1-2)-COMP-(0-5)

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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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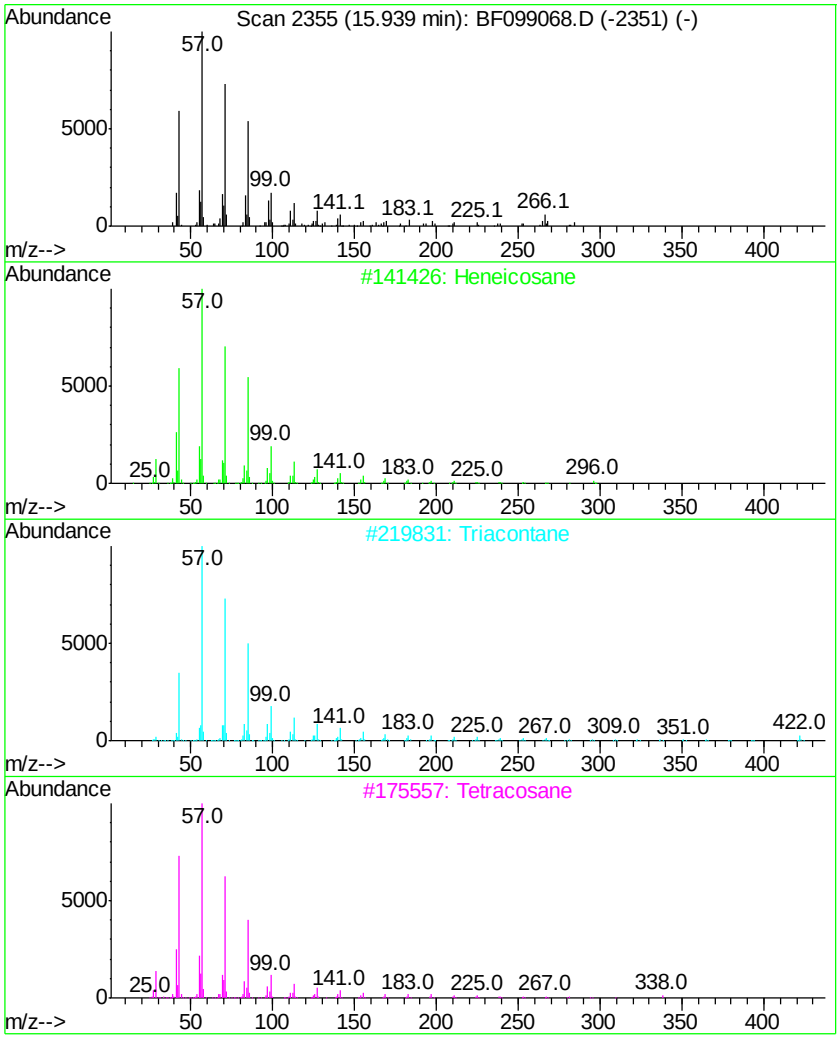
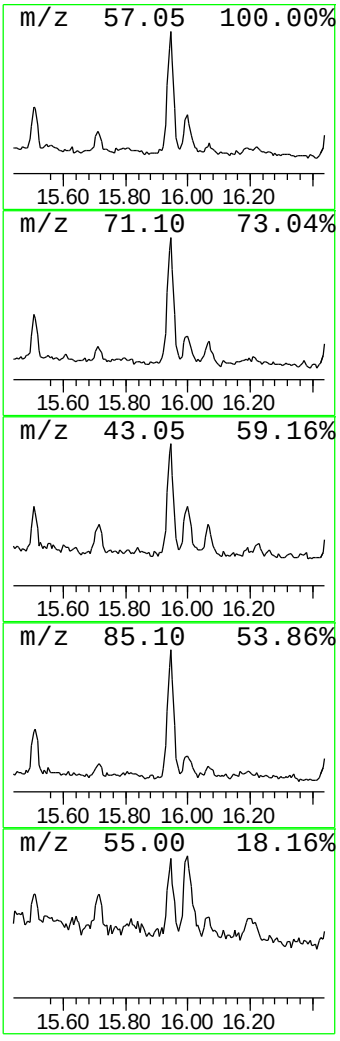
Peak Number 14 Heneicosane Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.94	4.83 ng	204753	Perylene-d12	15.50

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heneicosane	296	C21H44	000629-94-7	90
2	Triacontane	422	C30H62	000638-68-6	90
3	Tetracosane	338	C24H50	000646-31-1	87
4	Docosane	310	C22H46	000629-97-0	87
5	Octacosane	394	C28H58	000630-02-4	87





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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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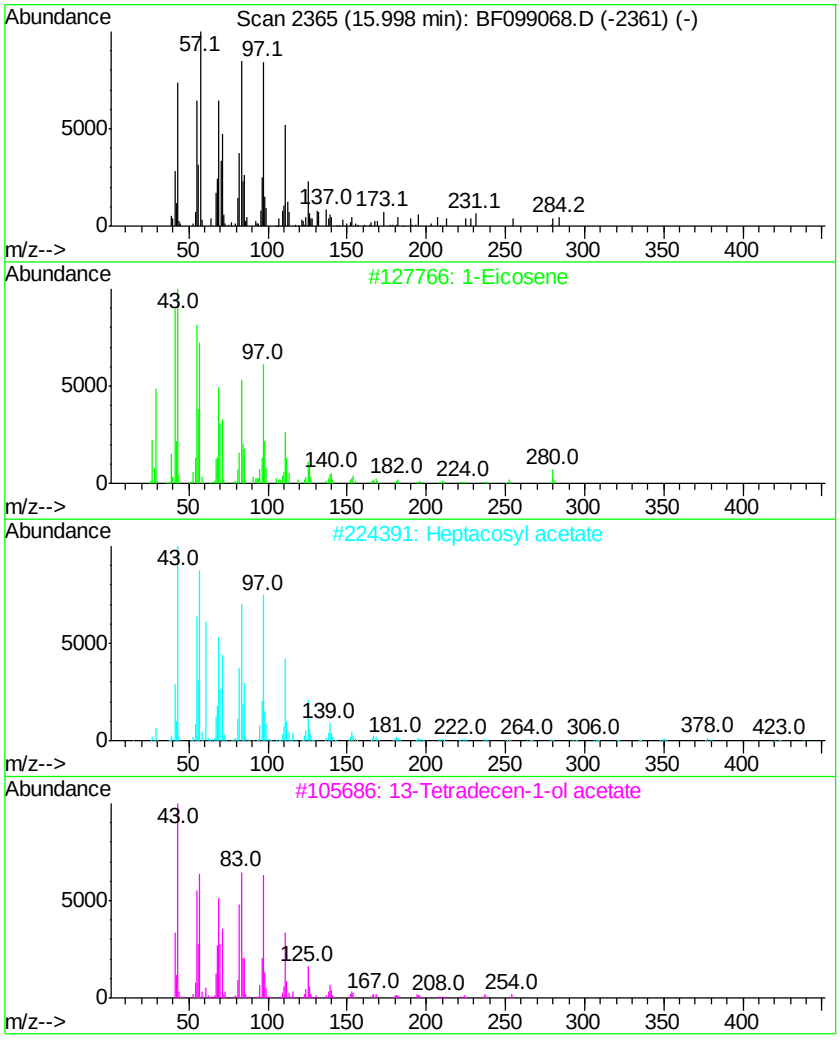
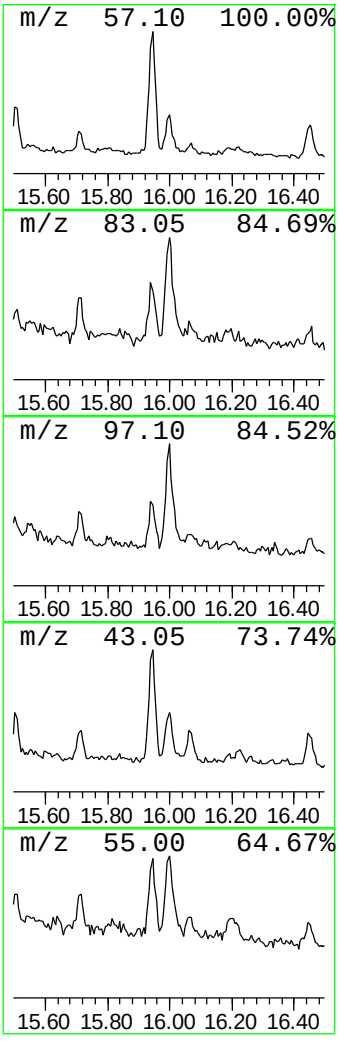
Peak Number 15 1-Eicosene Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.00	4.00 ng	169455	Perylene-d12	15.50

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Eicosene	280	C20H40	003452-07-1	93
2	Heptacosyl acetate	438	C29H58O2	1000351-78-2	91
3	13-Tetradecen-1-ol acetate	254	C16H30O2	056221-91-1	91
4	Octacosyl acetate	452	C30H60O2	018206-97-8	90
5	1-Heptacosanol	396	C27H56O	002004-39-9	90





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

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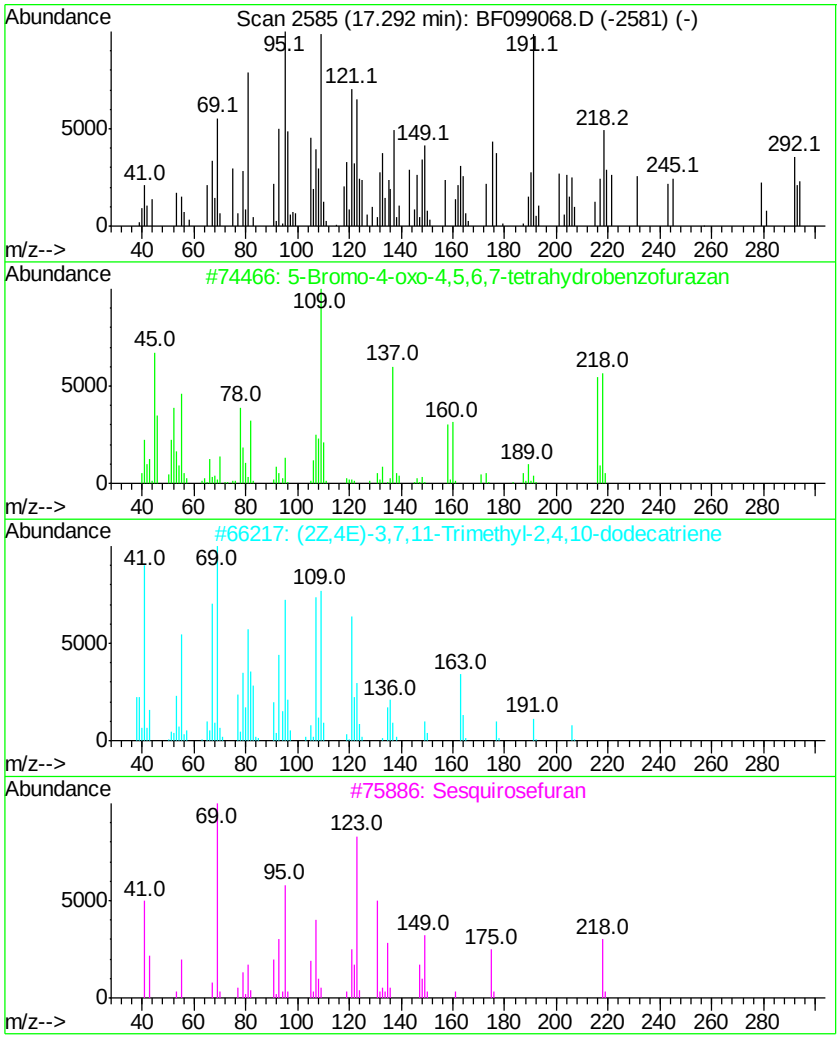
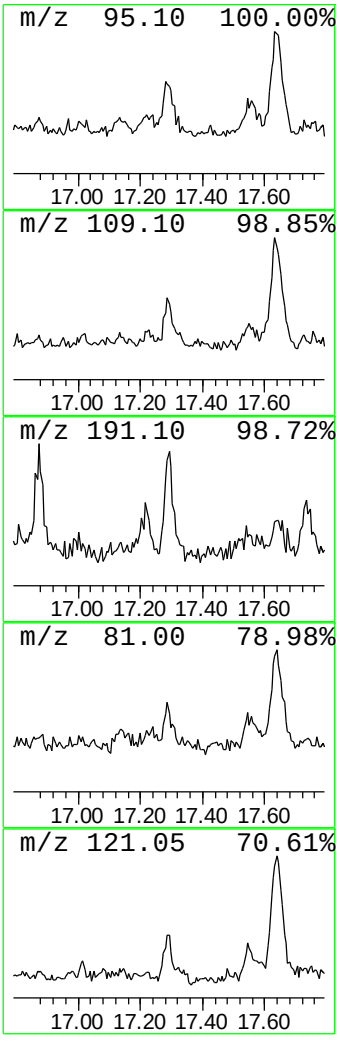
Peak Number 16 unknown17.29 Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.29	3.30 ng	139939	Perylene-d12	15.50

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	5-Bromo-4-oxo-4,5,6,7-tetrahydro...	216	C6H5BrN2O2	300574-36-1	38
2	(2Z,4E)-3,7,11-Trimethyl-2,4,10-...	206	C15H26	172549-29-0	30
3	Sesquirosefuran	218	C15H22O	039007-93-7	27
4	3-Methyl-2-(3,7,11-trimethyldode...	292	C20H36O	166773-55-3	27
5	6-Isopropenyl-4,8a-dimethyl-4a,5...	218	C15H22O	086917-79-5	22





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Instrument : BNA_F
ClientSampleId : 1A-(1-2)-COMP-(0-5)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF092317.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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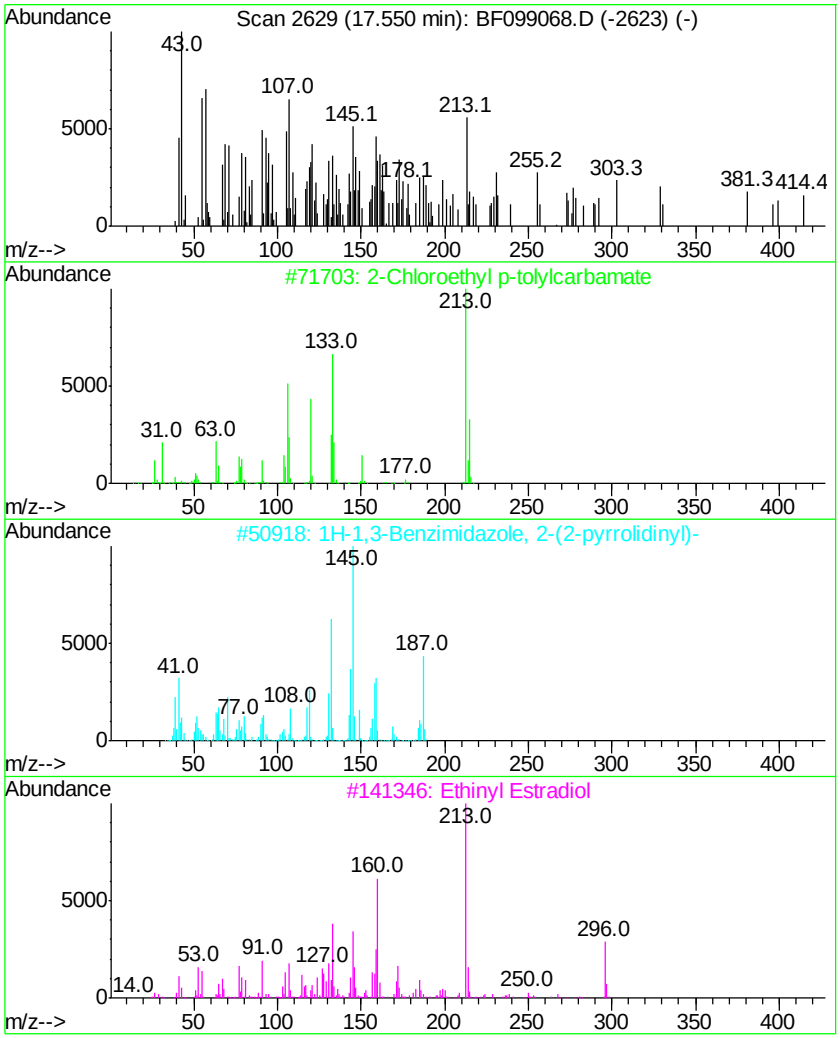
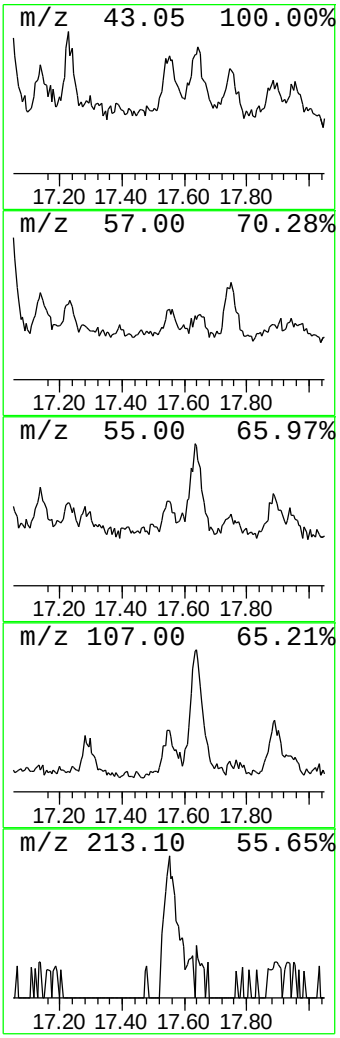
Peak Number 17 unknown17.55 Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.55	4.95 ng	209697	Perylene-d12	15.50

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Chloroethyl p-tolylcarbamate	213	C10H12ClNO2	074552-28-6	11
2	1H-1,3-Benzimidazole, 2-(2-pyrro...	187	C11H13N3	1000338-11-7	11
3	Ethinyl Estradiol	296	C20H24O2	000057-63-6	10
4	2,3-Di(2,2-dimethylethyl)thiophe...	228	C12H20O2S	128788-12-5	10
5	Imidazole-4,5-dicarbonitrile, 2-...	292	C13H7F3N4O	1000268-41-5	10





Data Path : Z:\HPCHEM1\BNA F\DATA\BF100417\
Data File : BF099068.D
Acq On : 4 Oct 2017 15:52
Operator : SJ/JU
Sample : I5610-01
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 1A-(1-2)-COMP-(0-5)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF092317.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

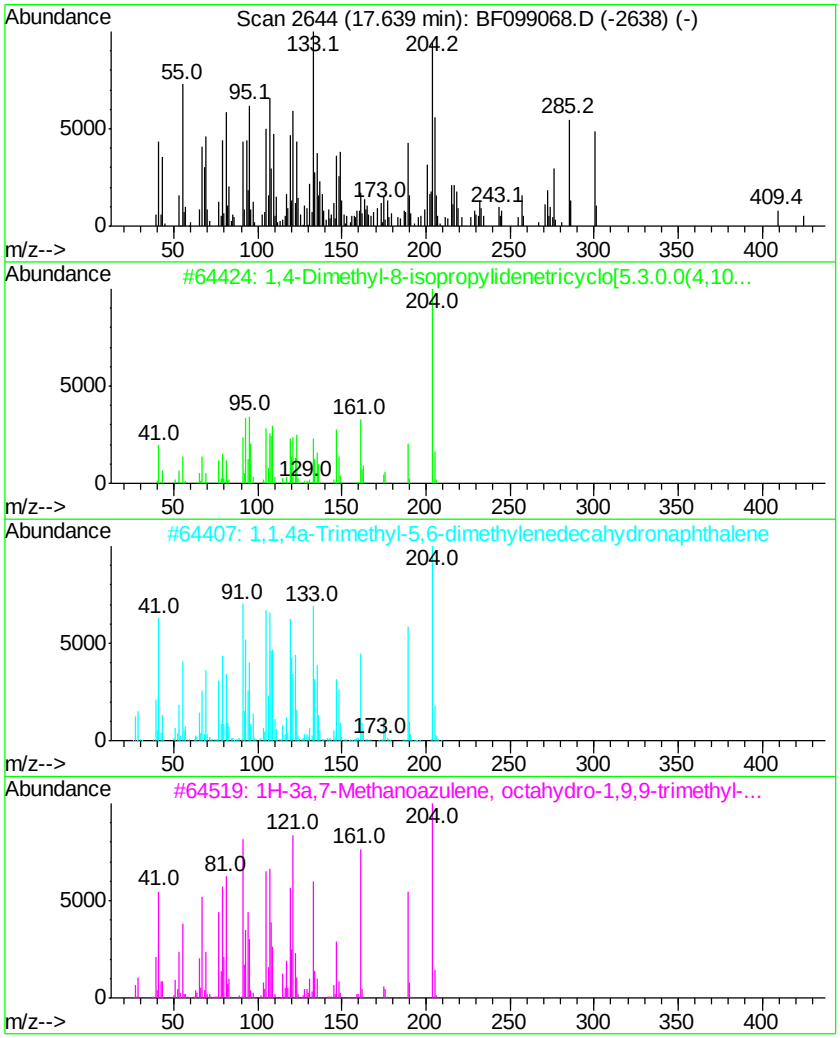
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

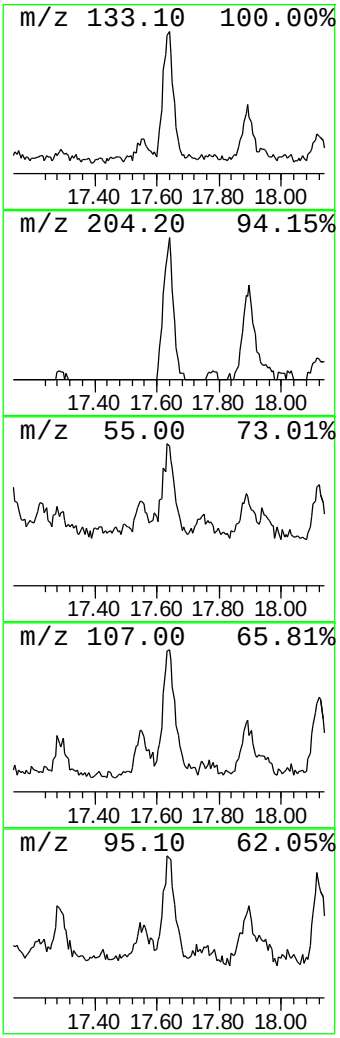
****

Peak Number 18 unknown17.64 Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.64	12.43 ng	526559	Perylene-d12	15.50

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,4-Dimethyl-8-isopropylidenetri...	204	C15H24	1000140-07-7	46
2	1,1,4a-Trimethyl-5,6-dimethylene...	204	C15H24	1000193-60-8	38
3	1H-3a,7-Methanoazulene, octahydr...	204	C15H24	000508-55-4	38
4	.beta.-Humulene	204	C15H24	000116-04-1	22
5	2,5,5,8a-Tetramethyl-6,7,8,8a-te...	204	C14H20O	124957-09-1	20





Data Path : Z:\HPCHEM1\BNA F\DATA\BF100417\
Data File : BF099068.D
Acq On : 4 Oct 2017 15:52
Operator : SJ/JU
Sample : I5610-01
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 1A-(1-2)-COMP-(0-5)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF092317.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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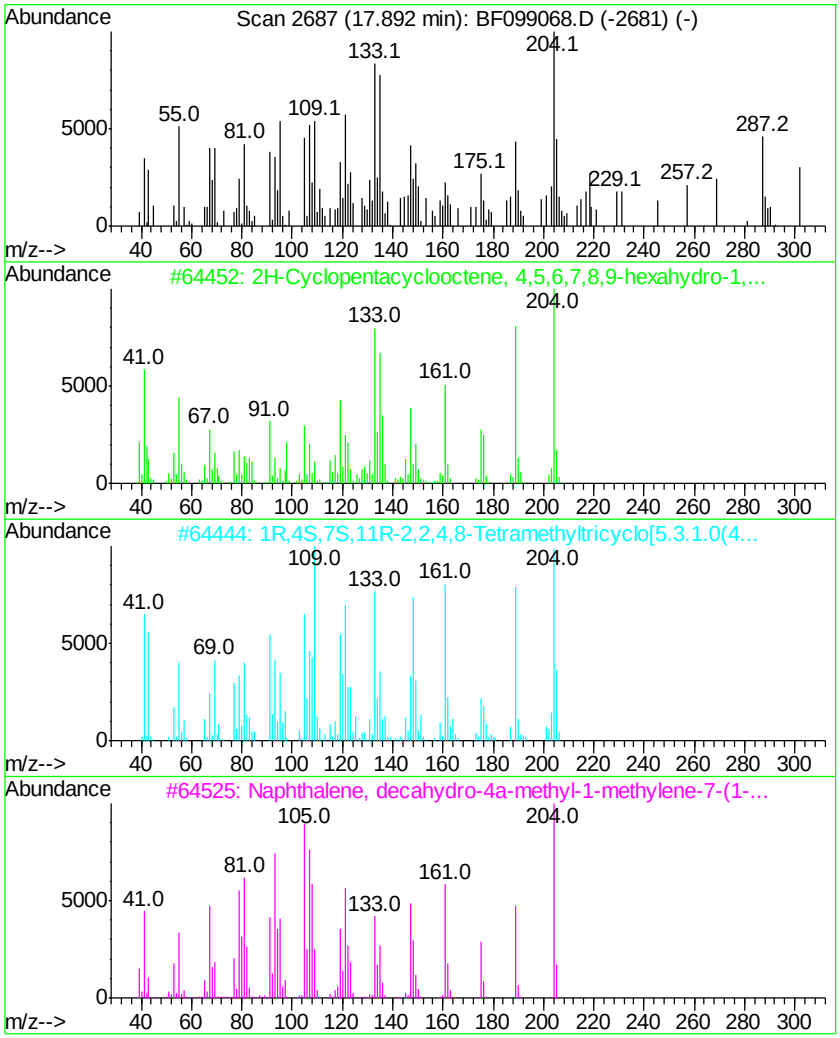
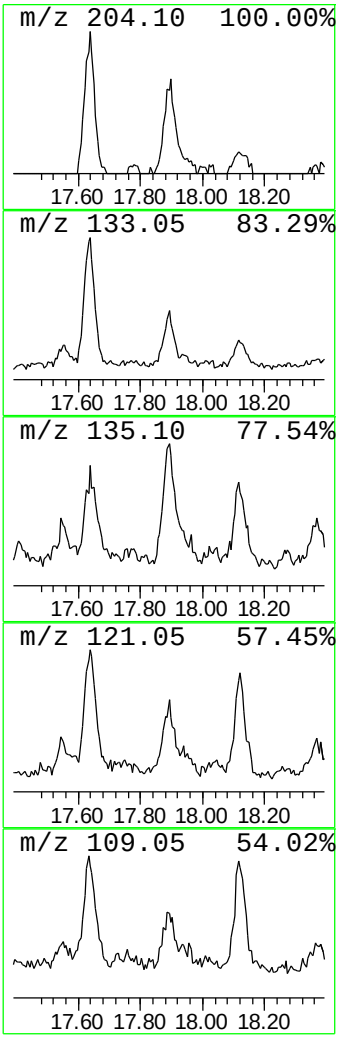
Peak Number 19 2H-Cyclopentacyclooctene, 4... Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.89	4.69 ng	198684	Perylene-d12	15.50

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2H-Cyclopentacyclooctene, 4,5,6,...	204	C15H24	1000221-85-8	60
2	1R,4S,7S,11R-2,2,4,8-Tetramethyl...	204	C15H24	1000140-07-6	53
3	Naphthalene, decahydro-4a-methyl...	204	C15H24	017066-67-0	50
4	1H-Cycloprop[e]azulene, 1a,2,3,5...	204	C15H24	021747-46-6	42
5	2,5,5,8a-Tetramethyl-6,7,8,8a-te...	204	C14H20O	124957-09-1	38





Data Path : Z:\HPCHEM1\BNA F\DATA\BF100417\
Data File : BF099068.D
Acq On : 4 Oct 2017 15:52
Operator : SJ/JU
Sample : I5610-01
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 1A-(1-2)-COMP-(0-5)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF092317.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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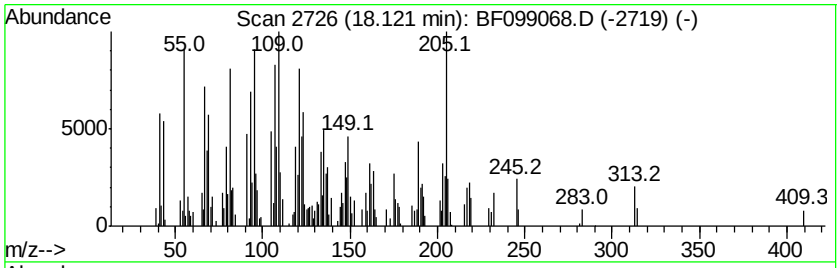
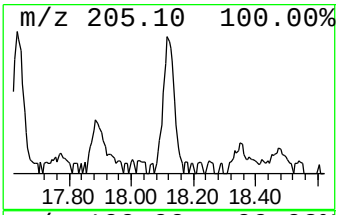
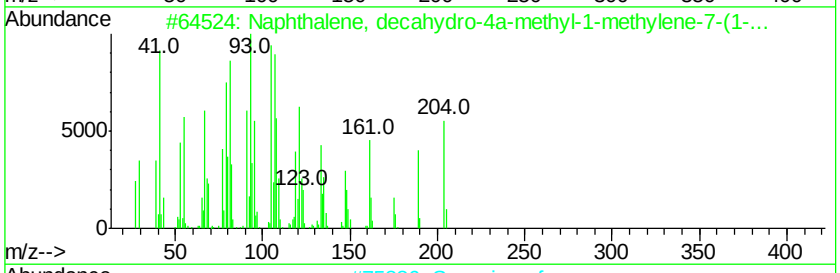
Peak Number 20 unknown18.12 Concentration Rank 7

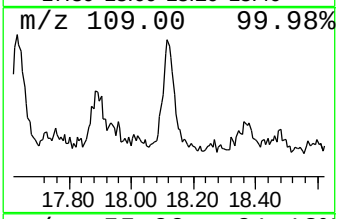
R.T.	EstConc	Area	Relative to ISTD	R.T.
18.12	6.37 ng	269798	Perylene-d12	15.50

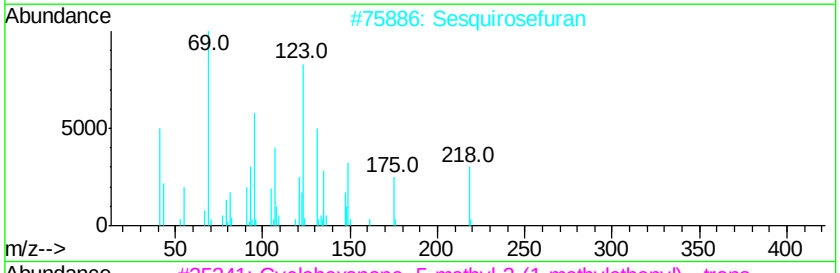
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, decahydro-4a-methyl...	204	C15H24	017066-67-0	40
2	Sesquirosefuran	218	C15H22O	039007-93-7	38
3	Cyclohexanone, 5-methyl-2-(1-met...	152	C10H16O	029606-79-9	35
4	2,3a-Dimethyl-2,3,3a,5,6,8,9,10-...	206	C13H22N2	1000305-46-6	35
5	Azulene, 1,2,3,5,6,7,8,8a-octahy...	204	C15H24	003691-11-0	30

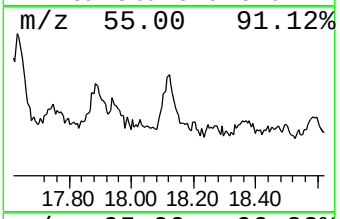


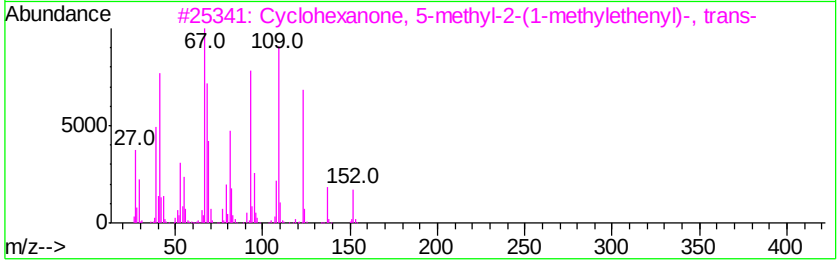


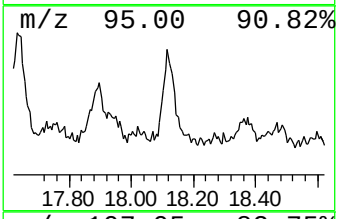


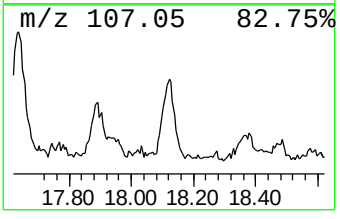












Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF100417\
Data File : BF099068.D
Acq On : 4 Oct 2017 15:52
Operator : SJ/JU
Sample : I5610-01
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 1A-(1-2)-COMP-(0-5)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF092317.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
Butane, 2-methoxy...	2.16	5.3	ng	260162	1	6.86	983633	20.0
2-Pentanone, 4-hy...	5.10	16.9	ng	829542	1	6.86	983633	20.0
unknown6.64	6.64	84.4	ng	4149360	1	6.86	983633	20.0
Tridecane	10.81	3.8	ng	267087	4	11.39	1401090	20.0
Anthracene, 2-met...	11.92	3.6	ng	252588	4	11.39	1401090	20.0
Fluoranthene, 2-m...	13.16	3.1	ng	179281	5	14.03	1153280	20.0
Tetradecanal	13.65	4.1	ng	238681	5	14.03	1153280	20.0
1-Heptacosanol	13.86	12.3	ng	708578	5	14.03	1153280	20.0
Nonadecyl pentafl...	14.49	11.9	ng	687583	5	14.03	1153280	20.0
Tridecane, 7-hexyl-	15.13	5.5	ng	234630	6	15.50	847194	20.0
Pyridine-3-carbox...	15.16	6.2	ng	260544	6	15.50	847194	20.0
Perylene	15.37	3.5	ng	146918	6	15.50	847194	20.0
Heneicosane	15.94	4.8	ng	204753	6	15.50	847194	20.0
1-Eicosene	16.00	4.0	ng	169455	6	15.50	847194	20.0
unknown17.29	17.29	3.3	ng	139939	6	15.50	847194	20.0
unknown17.55	17.55	5.0	ng	209697	6	15.50	847194	20.0
unknown17.64	17.64	12.4	ng	526559	6	15.50	847194	20.0
2H-Cyclopentacycl...	17.89	4.7	ng	198684	6	15.50	847194	20.0
unknown18.12	18.12	6.4	ng	269798	6	15.50	847194	20.0