LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF032718\
Data File : BF103983.D
Acq On : 27 Mar 2018 21:14
Operator : JU/SJ
Sample : J2052-03
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TP-BD

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-BF031518.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	2.322	34	40	48	rVB	83187	114442	4.52%	0.373%
2	5.216	528	532	543	rBV	55700	87799	3.47%	0.287%
3	5.604	594	598	622	rBV	1656150	2310324	91.21%	7.539%
4	6.604	763	768	788	rBV	1859705	2393533	94.50%	7.811%
5	6.745	788	792	811	rVB	2257343	2462758	97.23%	8.037%
6	6.969	827	830	845	rBV	709803	743231	29.34%	2.425%
7	7.128	853	857	873	rBV	1991953	1892202	74.71%	6.175%
8	7.533	922	926	949	rBV	1361667	1468631	57.98%	4.793%
9	8.251	1044	1048	1069	rBV	953247	1019749	40.26%	3.328%
10	9.327	1226	1231	1239	rBV	2669219	2532869	100.00%	8.266%
11	9.716	1291	1297	1303	rBV	180638	182226	7.19%	0.595%
12	9.874	1320	1324	1329	rBV	110308	110449	4.36%	0.360%
13	9.922	1329	1332	1336	rVB	79239	63685	2.51%	0.208%
14	10.010	1343	1347	1351	rBV	1138936	1024254	40.44%	3.343%
15	10.039	1351	1352	1360	rVB	53805	54099	2.14%	0.177%
16	10.163	1368	1373	1375	rBV3	15695	25670	1.01%	0.084%
17	10.216	1378	1382	1384	rBV2	24665	29862	1.18%	0.097%
18	10.422	1409	1417	1420	rBV	118944	114228	4.51%	0.373%
19	10.563	1437	1441	1446	rVB	35209	40016	1.58%	0.131%
20	10.639	1446	1454	1457	rBV2	52180	72154	2.85%	0.235%
21	10.804	1478	1482	1491	rBV	1439407	1460073	57.65%	4.765%
22	10.898	1495	1498	1508	rVB2	112102	186499	7.36%	0.609%
23	11.051	1520	1524	1528	rVB	35129	31531	1.24%	0.103%
24	11.310	1565	1568	1571	rBV	32959	32510	1.28%	0.106%
25	11.345	1571	1574	1577	rBV2	63990	63524	2.51%	0.207%
26	11.504	1597	1601	1603	rBV	1024568	873817	34.50%	2.852%
27	11.527	1603	1605	1609	rVV	308236	258862	10.22%	0.845%
28	11.580	1609	1614	1618	rVV	104436	106173	4.19%	0.346%
29	11.745	1637	1642	1644	rBV3	25290	40497	1.60%	0.132%
30	12.010	1682	1687	1689	rBV2	167596	164102	6.48%	0.536%
31	12.033	1689	1691	1695	rVB2	71311	66150	2.61%	0.216%
32	12.121	1703	1706	1708	rBV2	101744	99238	3.92%	0.324%
33	12.298	1733	1736	1739	rVB2	35972	30442	1.20%	0.099%
34	12.333	1739	1742	1746	rVB	37105	33611	1.33%	0.110%

LSC Area Percent Report

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Misc :
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Instrument : BNA_F
ClientSampleId : TP-BD

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-BF031518.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	12.557	1777	1780	1783	rBV2	48149	60812	2.40%	0.198%
36	12.645	1792	1795	1803	rBV2	55144	73944	2.92%	0.241%
37	12.721	1804	1808	1812	rBV	1010148	902057	35.61%	2.944%
38	12.815	1822	1824	1828	rVB	50894	41556	1.64%	0.136%
39	12.874	1831	1834	1836	rBV	37430	36463	1.44%	0.119%
40	12.933	1840	1844	1845	rBV	115379	112976	4.46%	0.369%
41	12.957	1845	1848	1853	rVB	962786	886416	35.00%	2.893%
42	12.998	1853	1855	1860	rVB2	45209	52386	2.07%	0.171%
43	13.086	1862	1870	1874	rBV	1914513	1913855	75.56%	6.246%
44	13.168	1879	1884	1890	rBV3	80568	149883	5.92%	0.489%
45	13.280	1895	1903	1908	rBV2	140328	240125	9.48%	0.784%
46	13.345	1911	1914	1917	rBV	79736	70588	2.79%	0.230%
47	13.386	1917	1921	1924	rBV2	108944	112062	4.42%	0.366%
48	13.480	1934	1937	1940	rBV	47890	44575	1.76%	0.145%
49	13.510	1940	1942	1945	rVB3	46490	42387	1.67%	0.138%
50	13.627	1959	1962	1964	rBV3	35293	34837	1.38%	0.114%
51	13.704	1973	1975	1978	rVB3	35578	28899	1.14%	0.094%
52	13.762	1982	1985	1987	rBV4	30422	27730	1.09%	0.090%
53	13.792	1987	1990	1998	rBV	92641	96501	3.81%	0.315%
54	13.904	2005	2009	2011	rBV2	102222	104246	4.12%	0.340%
55	13.933	2011	2014	2016	rVV	71607	77007	3.04%	0.251%
56	13.962	2016	2019	2023	rVV3	298376	370729	14.64%	1.210%
57	13.998	2023	2025	2030	rVB	88677	101712	4.02%	0.332%
58	14.074	2036	2038	2042	rVB	28370	26883	1.06%	0.088%
59	14.157	2047	2052	2055	rVV2	924029	1308238	51.65%	4.269%
60	14.186	2055	2057	2064	rVB	378266	357169	14.10%	1.166%
61	14.262	2068	2070	2072	rBV	40923	32788	1.29%	0.107%
62	14.374	2087	2089	2094	rVB2	36585	46138	1.82%	0.151%
63	14.415	2094	2096	2099	rBV4	32790	31523	1.24%	0.103%
64	14.509	2110	2112	2114	rBV	29892	27816	1.10%	0.091%
65	14.545	2114	2118	2121	rVV	103599	135480	5.35%	0.442%
66	14.580	2122	2124	2127	rVB	45961	39561	1.56%	0.129%
67	14.674	2138	2140	2143	rBV	42705	38426	1.52%	0.125%
68	15.239	2232	2236	2240	rBV	460949	762595	30.11%	2.489%
69	15.356	2253	2256	2263	rVB	97453	131118	5.18%	0.428%
70	15.568	2288	2292	2298	rVB	224970	306468	12.10%	1.000%
71	15.633	2299	2303	2308	rVV	308223	387253	15.29%	1.264%

LSC Area Percent Report

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Misc :
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Instrument : BNA_F
ClientSampleId : TP-BD

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

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Peak separation: 5

Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF031518.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

72	15.704	2310	2315	2318	rVV	430416	637294	25.16%	2.080%
73	15.733	2318	2320	2328	rVB2	107337	140648	5.55%	0.459%
74	17.280	2578	2583	2595	rVB2	132327	286454	11.31%	0.935%
75	17.762	2660	2665	2673	rVB2	78158	176470	6.97%	0.576%

Sum of corrected areas: 30643278

LSC Report - Integrated Chromatogram

Data Path : Z:\HPCHEM1\BNA F\DATA\BF032718\
Data File : BF103983.D
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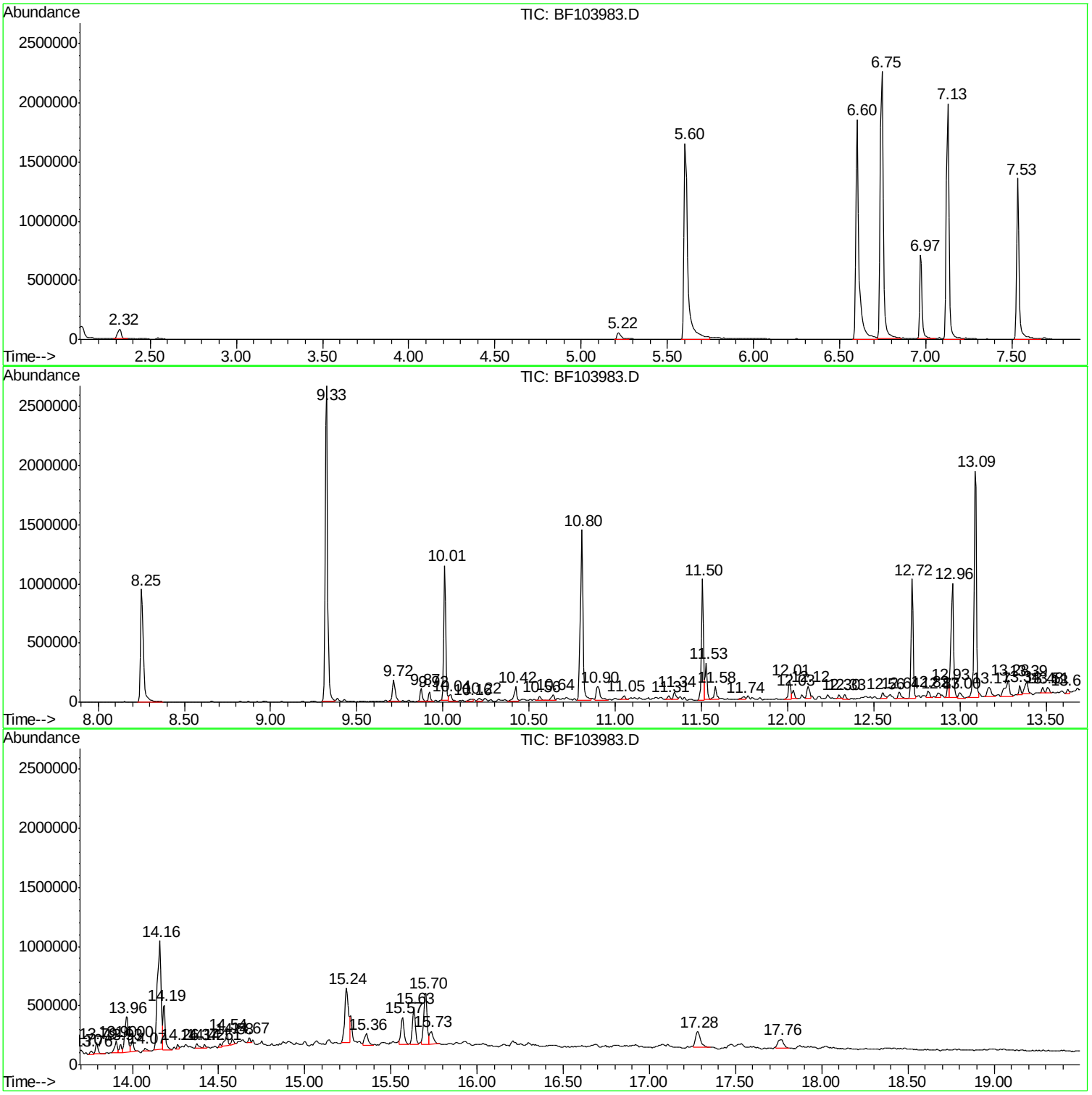
Operator : JU/SJ
Sample : J2052-03
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TP-BD

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF031518.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\BF032718\
Data File : BF103983.D
Acq On : 27 Mar 2018 21:14
Operator : JU/SJ
Sample : J2052-03
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TP-BD

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF031518.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

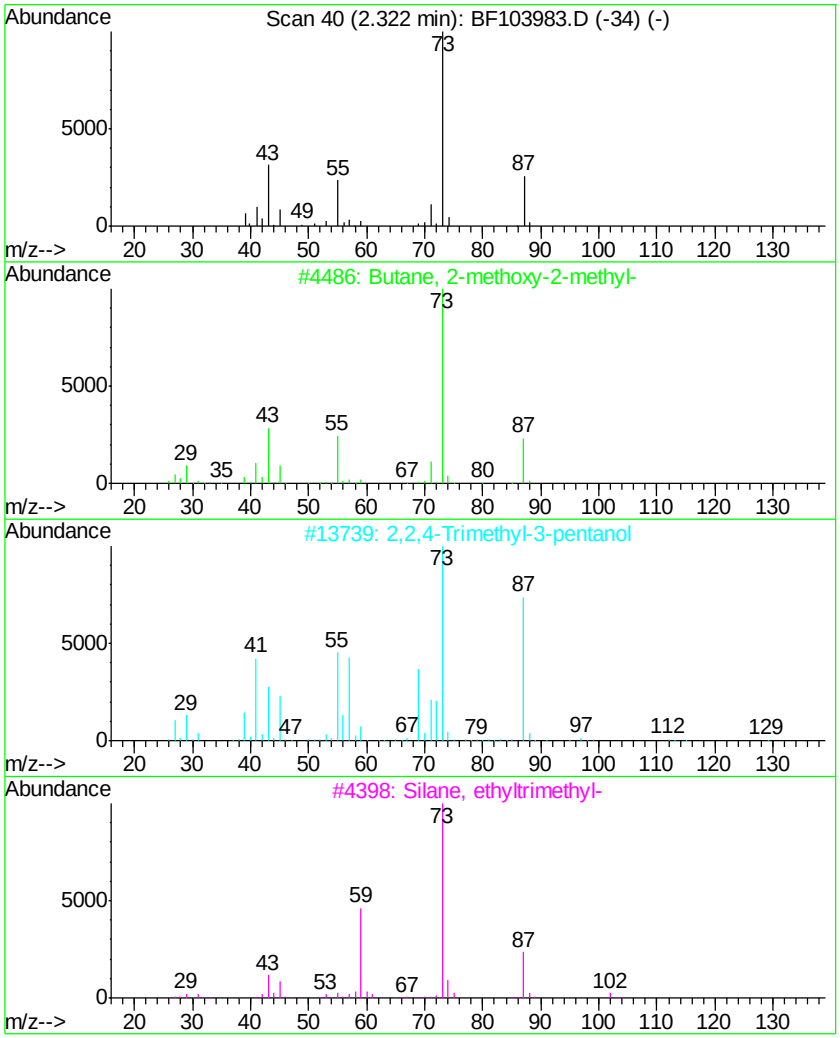
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

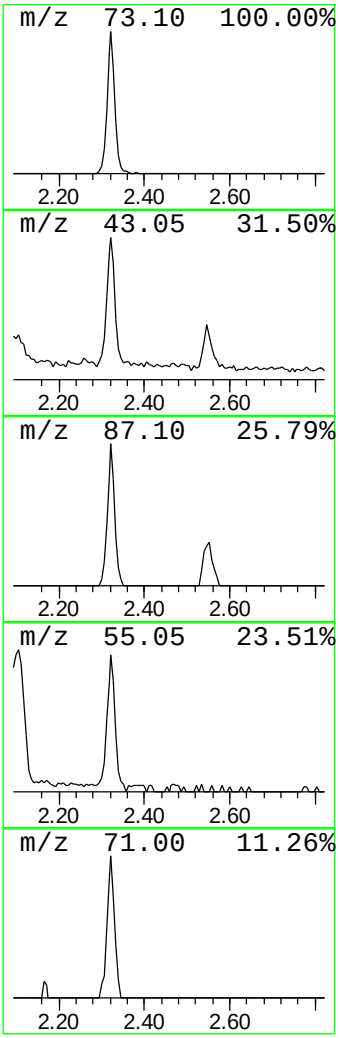
****

Peak Number 1 Butane, 2-methoxy-2-methyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.32	3.08 ng	114442	1,4-Dichlorobenzene-d4	6.97

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	40
3	Silane, ethyltrimethyl-	102	C5H14Si	003439-38-1	36
4	3-Hexanol, 2-methyl-	116	C7H16O	000617-29-8	17
5	N-Ethylformamide	73	C3H7NO	000627-45-2	9





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF032718\
Data File : BF103983.D
Acq On : 27 Mar 2018 21:14
Operator : JU/SJ
Sample : J2052-03
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TP-BD

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF031518.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

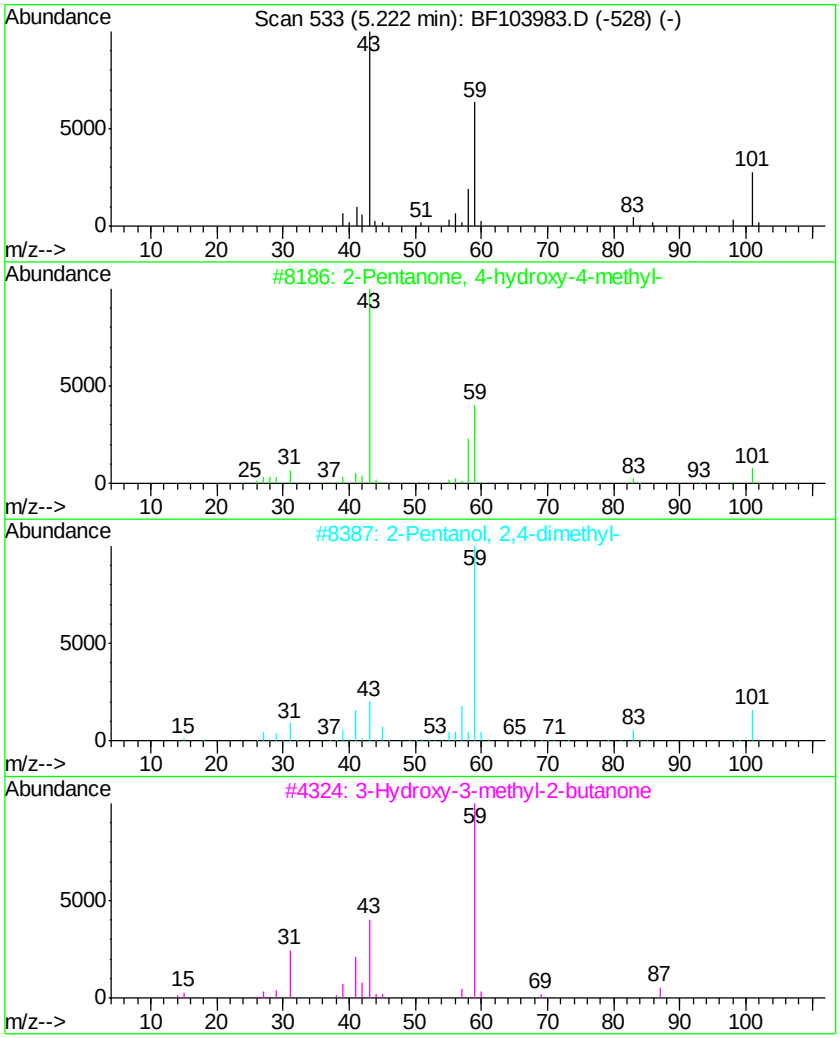
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

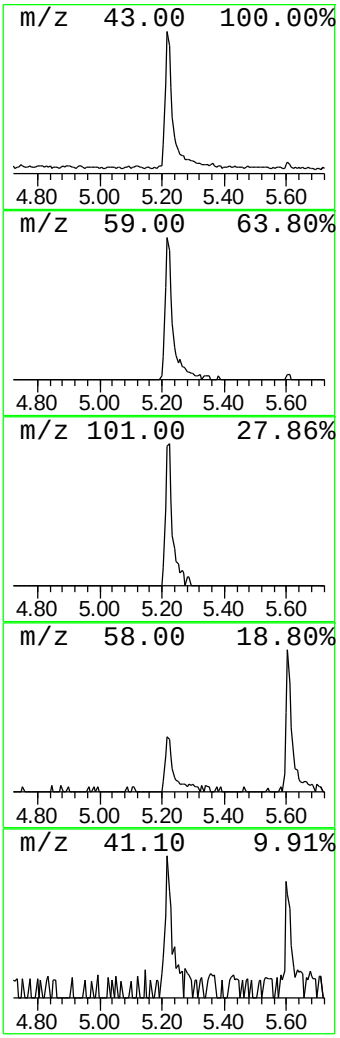
****

Peak Number 2 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.22	2.36 ng	87799	1,4-Dichlorobenzene-d4	6.97

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	50
2	2-Pentanol, 2,4-dimethyl-	116	C7H16O	000625-06-9	36
3	3-Hydroxy-3-methyl-2-butanone	102	C5H10O2	000115-22-0	17
4	Acetic acid, cyano-, 1,1-dimethy...	141	C7H11NO2	001116-98-9	17
5	5-Hexen-2-one	98	C6H10O	000109-49-9	9





Data Path : Z:\HPCHEM1\BNA F\DATA\BF032718\
Data File : BF103983.D
Acq On : 27 Mar 2018 21:14
Operator : JU/SJ
Sample : J2052-03
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TP-BD

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF031518.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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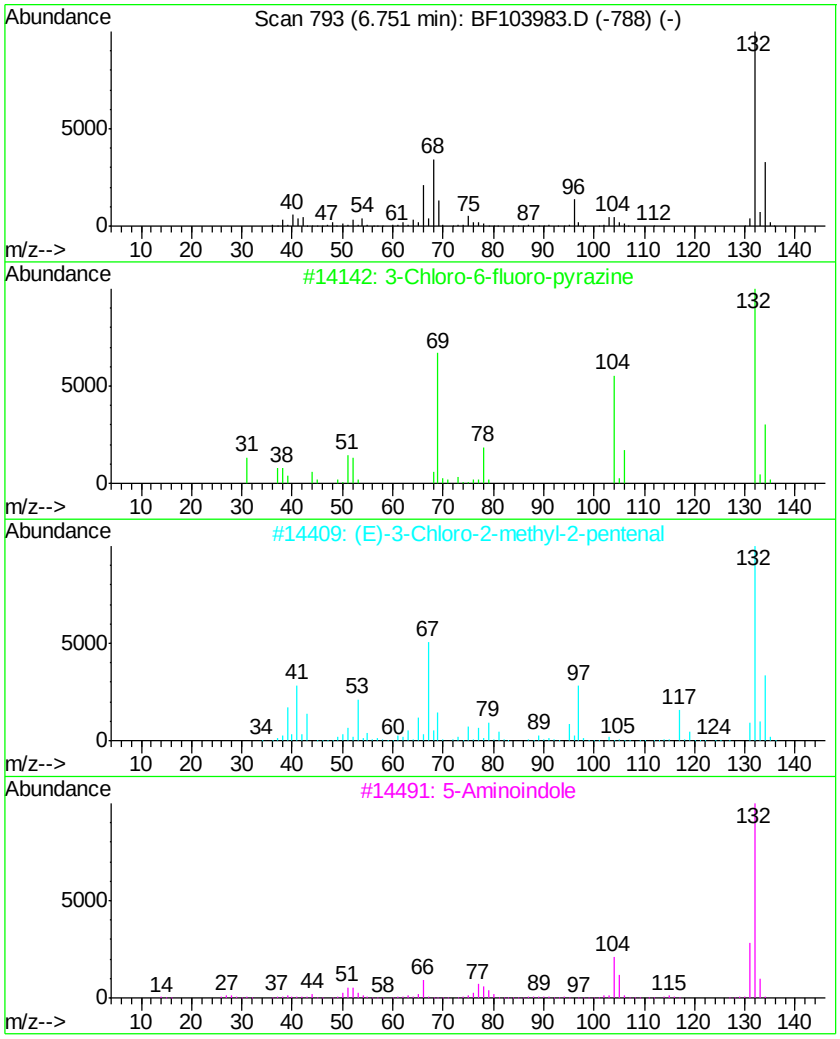
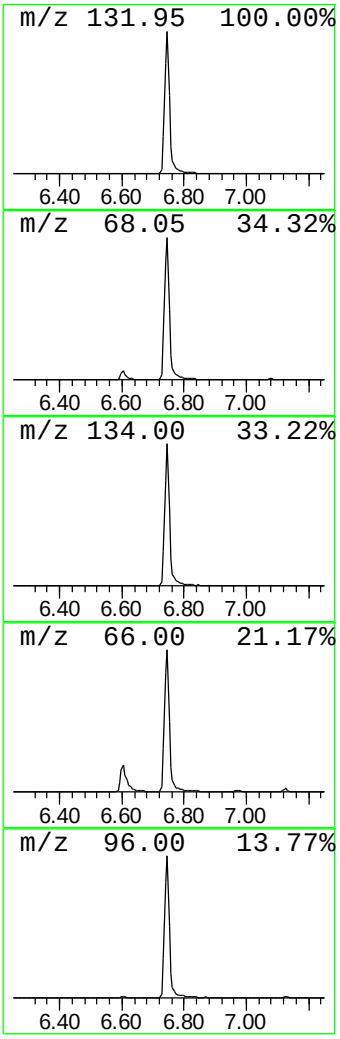
Peak Number 3 unknown6.75 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.75	66.27 ng	2462760	1,4-Dichlorobenzene-d4	6.97

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	5-Aminoindole	132	C8H8N2	005192-03-0	12
4	5-Fluoro-2-chloropyrimidine	132	C4H2ClFN2	062802-42-0	9
5	1H-Benzimidazole, 2-methyl-	132	C8H8N2	000615-15-6	9





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Instrument : BNA_F
ClientSampleId : TP-BD

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF031518.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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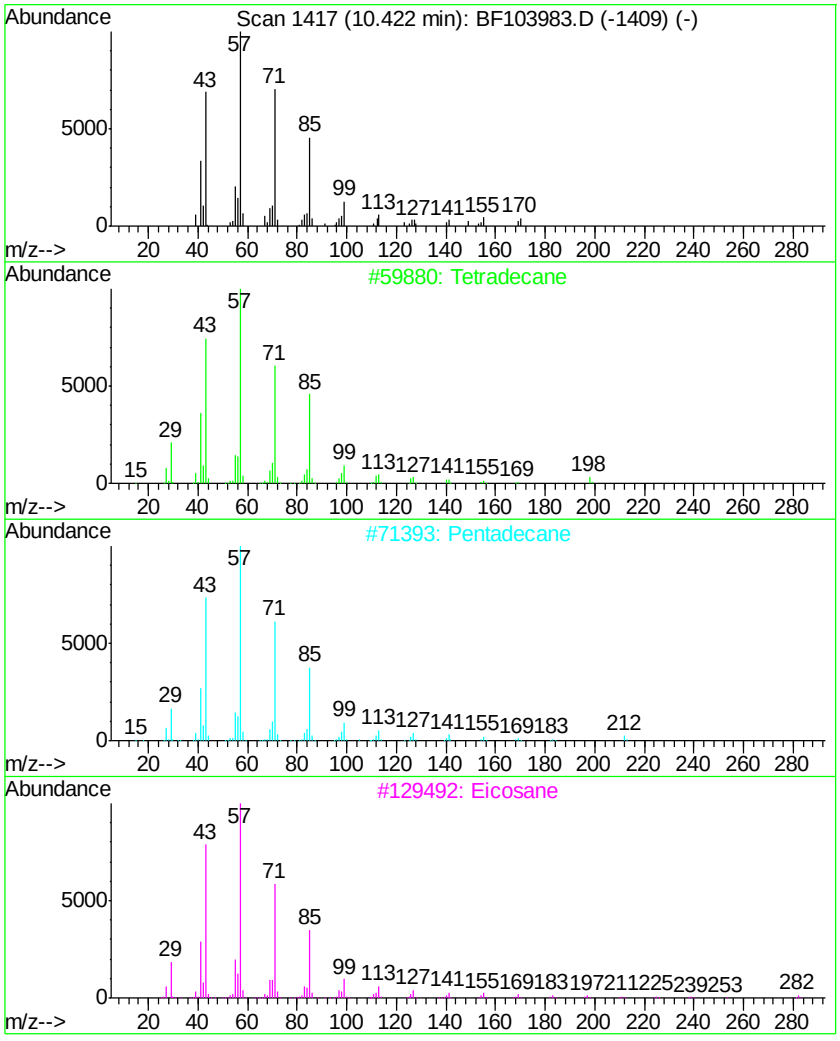
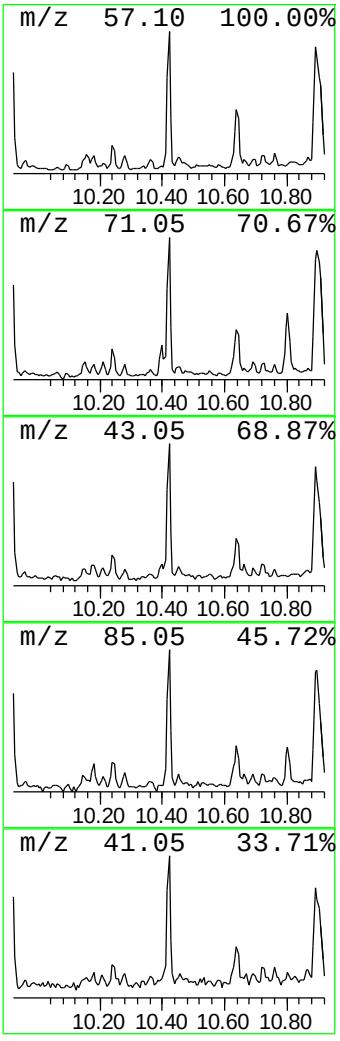
Peak Number 5 Tetradecane Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.42	2.23 ng	114228	Acenaphthene-d10	10.01

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tetradecane	198	C14H30	000629-59-4	87
2	Pentadecane	212	C15H32	000629-62-9	87
3	Eicosane	282	C20H42	000112-95-8	86
4	Hexadecane	226	C16H34	000544-76-3	86
5	Heptadecane	240	C17H36	000629-78-7	86





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Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_F
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Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF031518.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

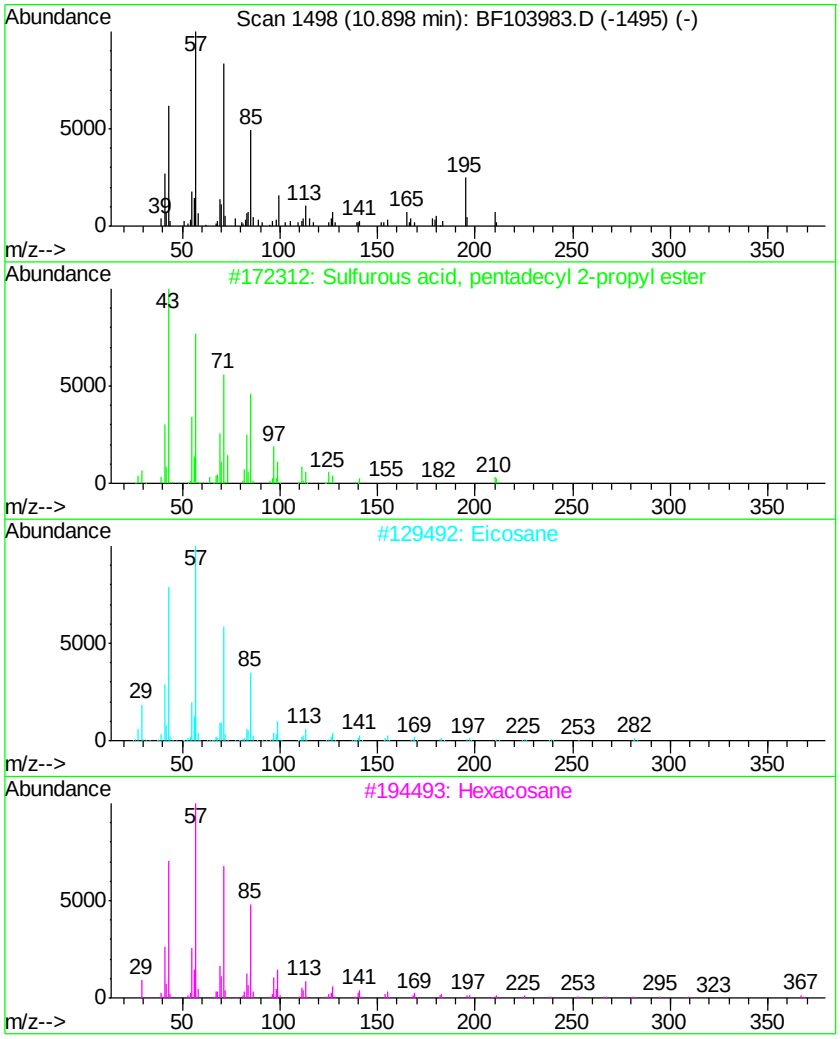
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

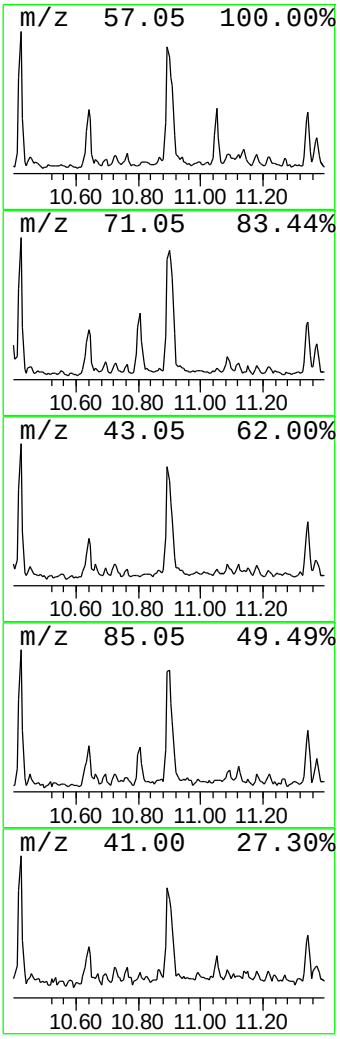
****

Peak Number 6 Sulfurous acid, pentadecyl ... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.90	4.27 ng	186499	Phenanthrene-d10	11.50

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Sulfurous acid, pentadecyl 2-pro...	334	C18H38O3S	1000309-12-6	72
2	Eicosane	282	C20H42	000112-95-8	72
3	Hexacosane	366	C26H54	000630-01-3	72
4	Dodecane, 1-iodo-	296	C12H25I	004292-19-7	72
5	Sulfurous acid, 2-ethylhexyl iso...	278	C14H30O3S	1000309-19-0	64





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Acq On : 27 Mar 2018 21:14
Operator : JU/SJ
Sample : J2052-03
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TP-BD

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF031518.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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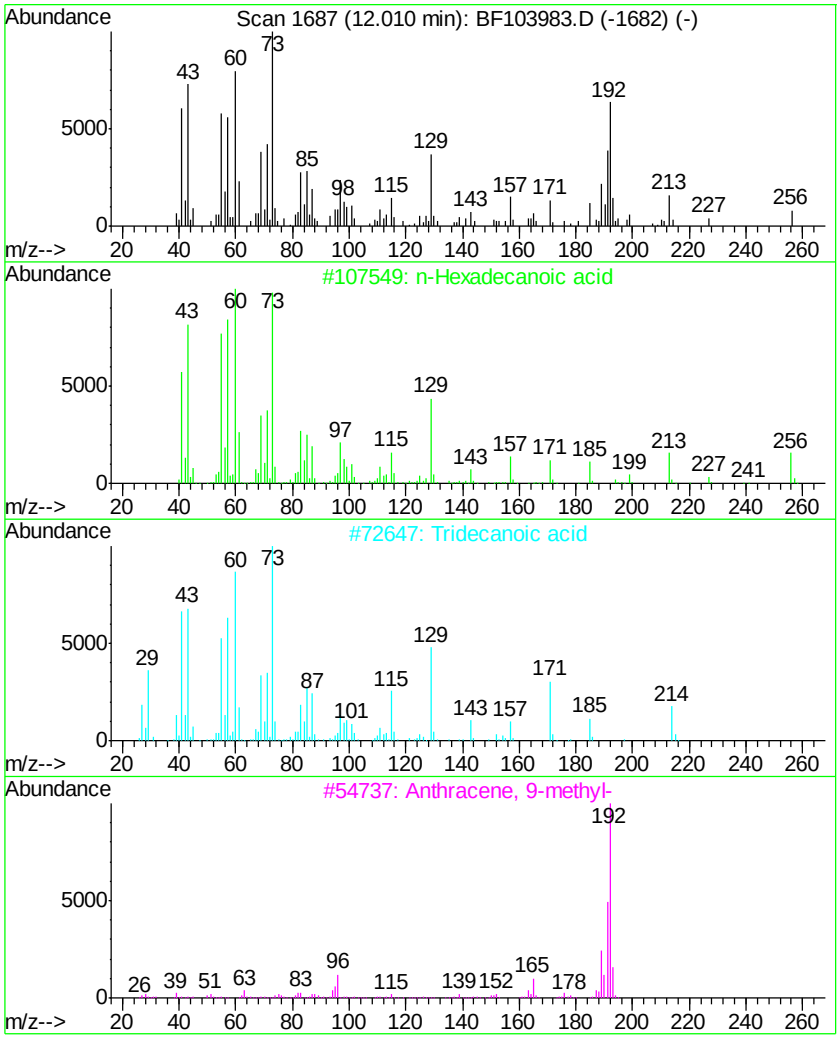
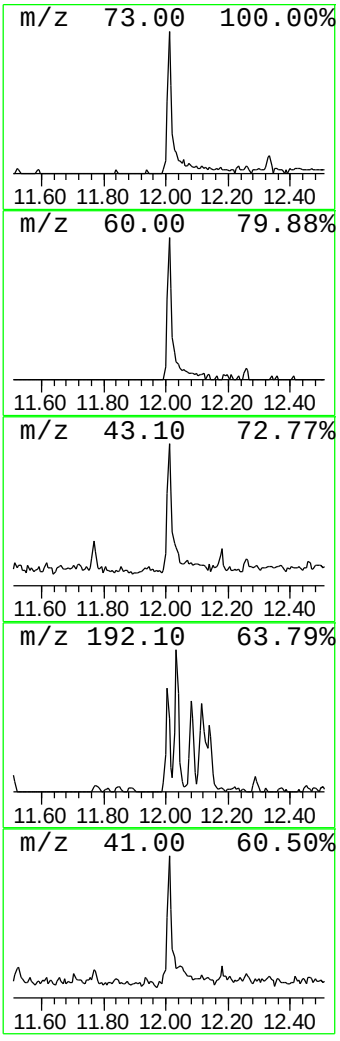
Peak Number 7 n-Hexadecanoic acid Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.01	3.76 ng	164102	Phenanthrene-d10	11.50

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	96
2	Tridecanoic acid	214	C13H26O2	000638-53-9	64
3	Anthracene, 9-methyl-	192	C15H12	000779-02-2	59
4	Tetradecanoic acid	228	C14H28O2	000544-63-8	58
5	Pentadecanoic acid	242	C15H30O2	001002-84-2	49





Data Path : Z:\HPCHEM1\BNA F\DATA\BF032718\
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Acq On : 27 Mar 2018 21:14
Operator : JU/SJ
Sample : J2052-03
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TP-BD

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF031518.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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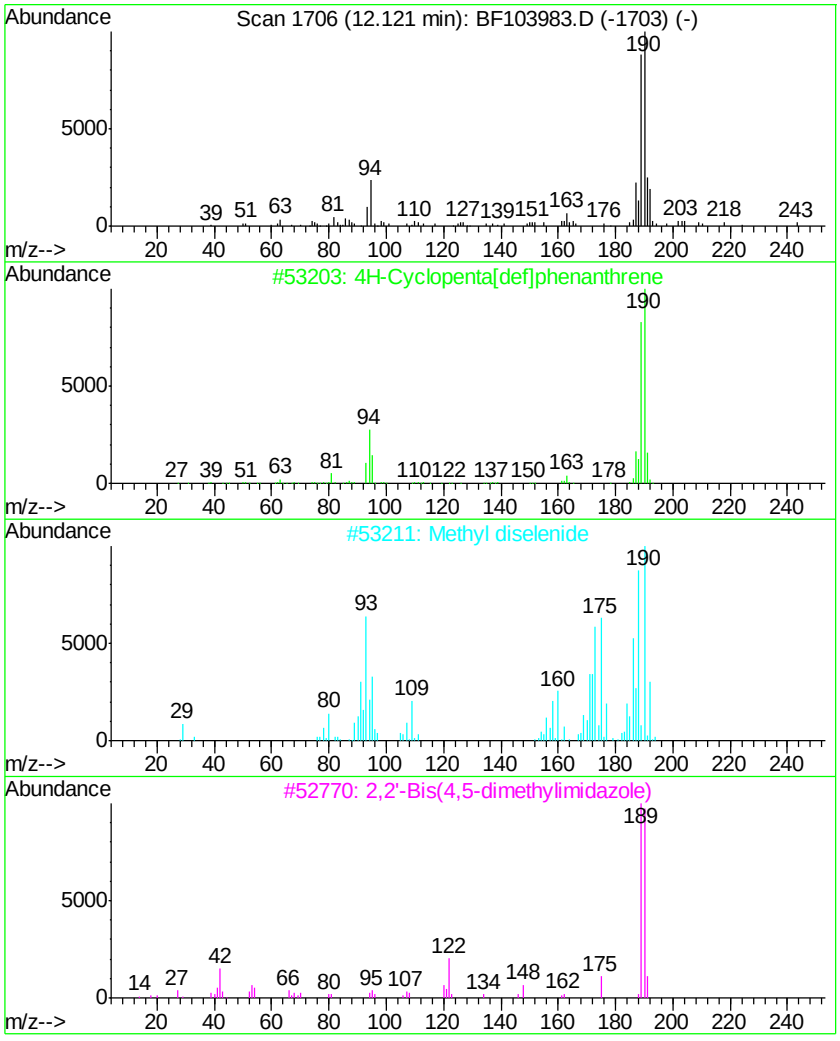
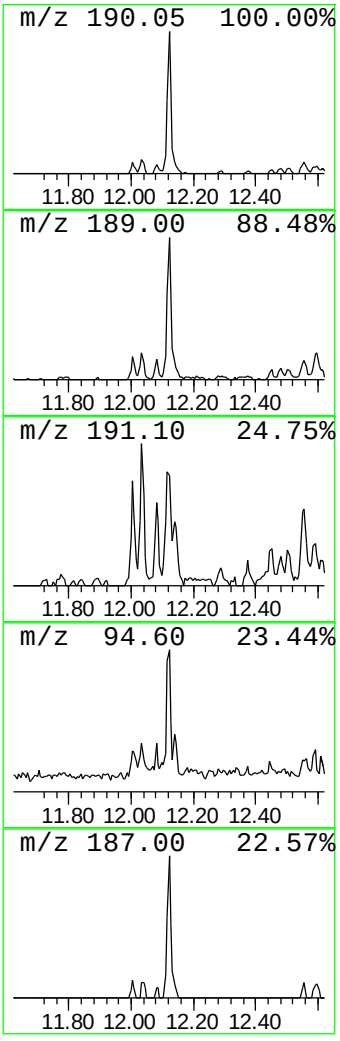
Peak Number 8 4H-Cyclopenta[def]phenanthrene Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.12	2.27 ng	99238	Phenanthrene-d10	11.50

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	81
2	Methyl diselenide	190	C2H6Se2	007101-31-7	43
3	2,2'-Bis(4,5-dimethylimidazole)	190	C10H14N4	069286-06-2	40
4	6,7-Methylenedioxy-4(3H)-quinazo...	190	C9H6N2O3	028310-11-4	33
5	1,4-Naphthalenedione, 2,5-dihydr...	190	C10H6O4	004923-55-1	25





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Acq On : 27 Mar 2018 21:14
Operator : JU/SJ
Sample : J2052-03
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TP-BD

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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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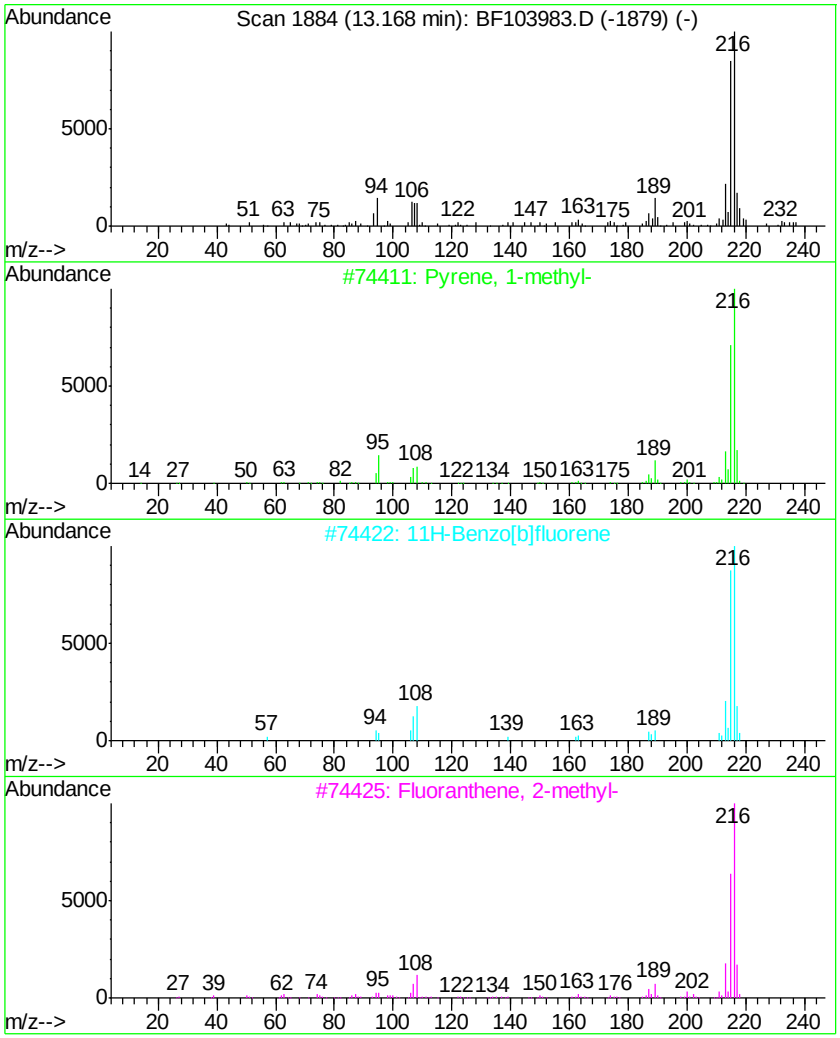
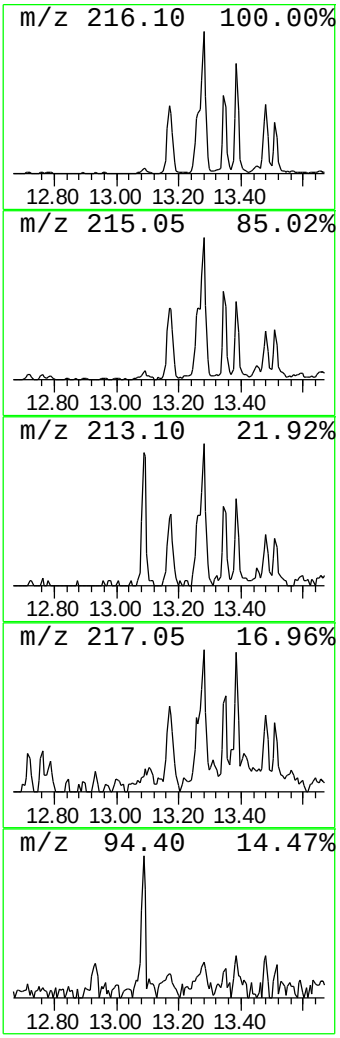
Peak Number 9 Pyrene, 1-methyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.17	2.29 ng	149883	Chrysene-d12	14.16

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	96
2	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	95
3	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	95
4	Pyrene, 2-methyl-	216	C17H12	003442-78-2	91
5	7H-Benzo[c]fluorene	216	C17H12	000205-12-9	83





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ClientSampleId : TP-BD

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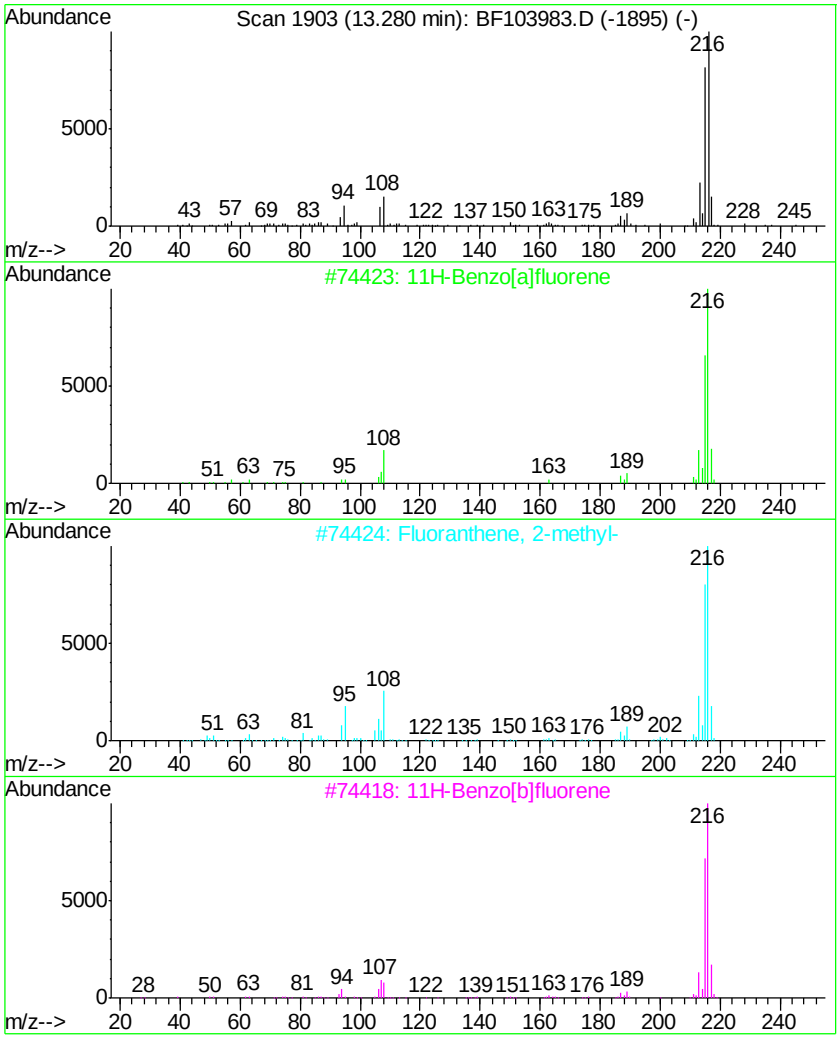
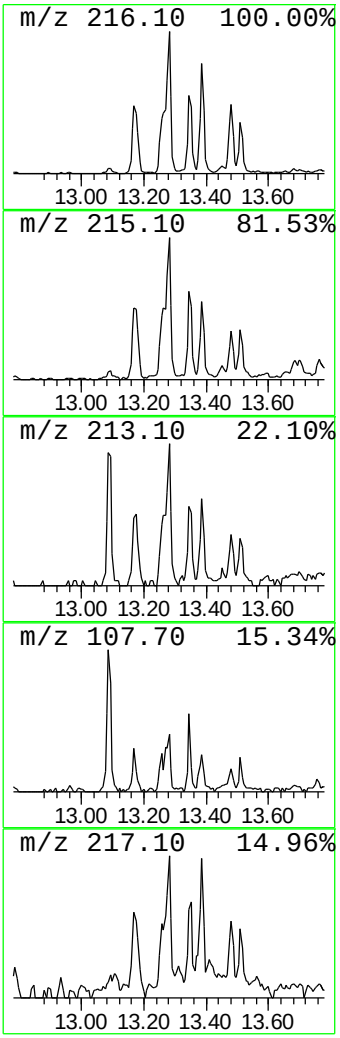
Peak Number 10 11H-Benzo[a]fluorene Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.28	3.67 ng	240125	Chrysene-d12	14.16

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	91
3	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	90
4	Pyrene, 1-methyl-	216	C17H12	002381-21-7	87
5	7H-Benzo[c]fluorene	216	C17H12	000205-12-9	81





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Sample : J2052-03
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TP-BD

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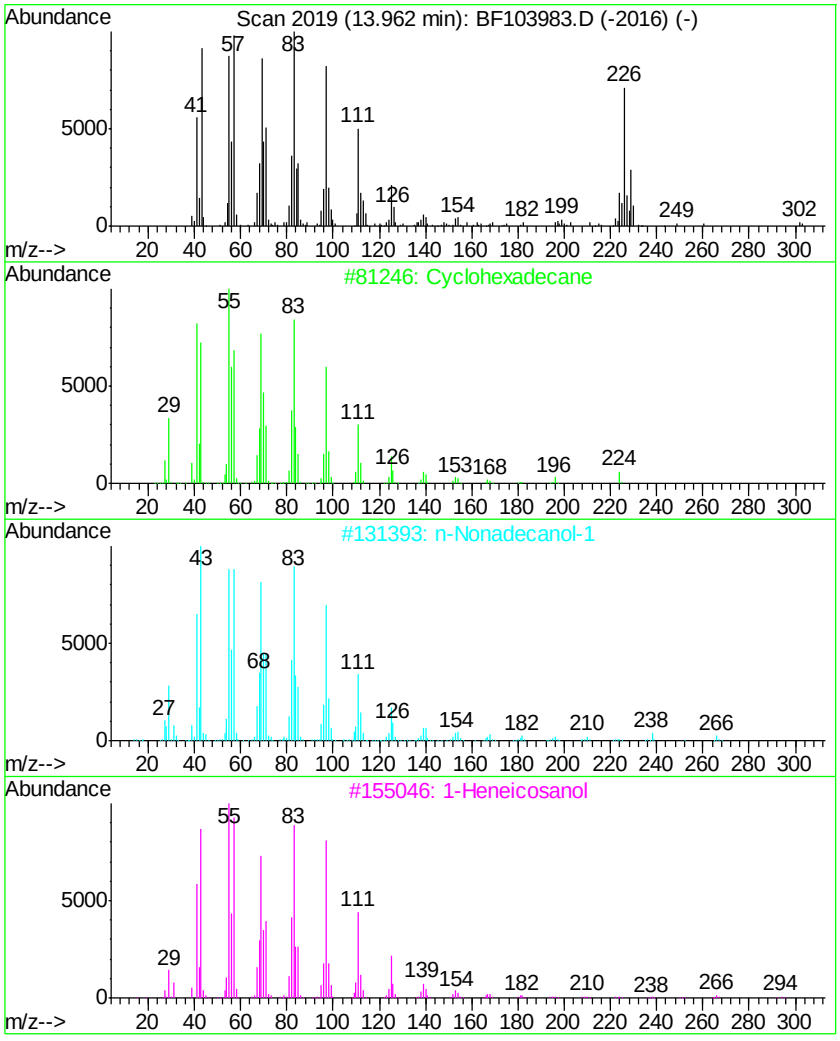
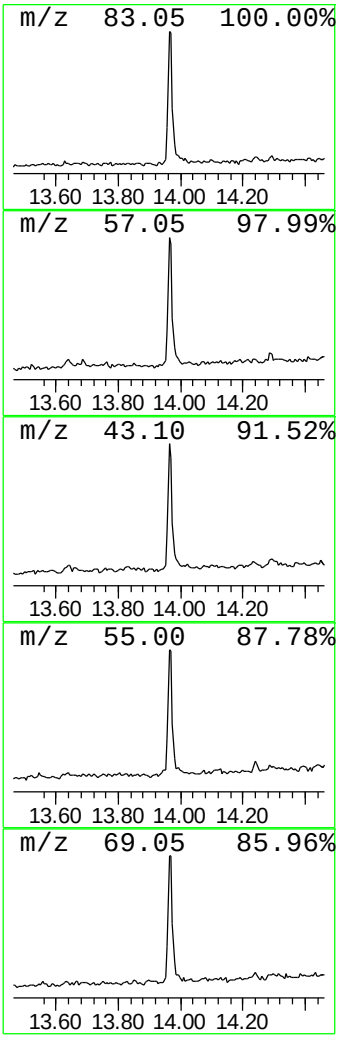
Peak Number 11 Cyclohexadecane Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.96	5.67 ng	370729	Chrysene-d12	14.16

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexadecane	224	C16H32	000295-65-8	94
2	n-Nonadecanol-1	284	C19H40O	001454-84-8	93
3	1-Heneicosanol	312	C21H44O	015594-90-8	93
4	1-Heneicosyl formate	340	C22H44O2	077899-03-7	93
5	Heptafluorobutyric acid, pentade...	424	C19H31F7O2	959261-23-5	90





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ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TP-BD

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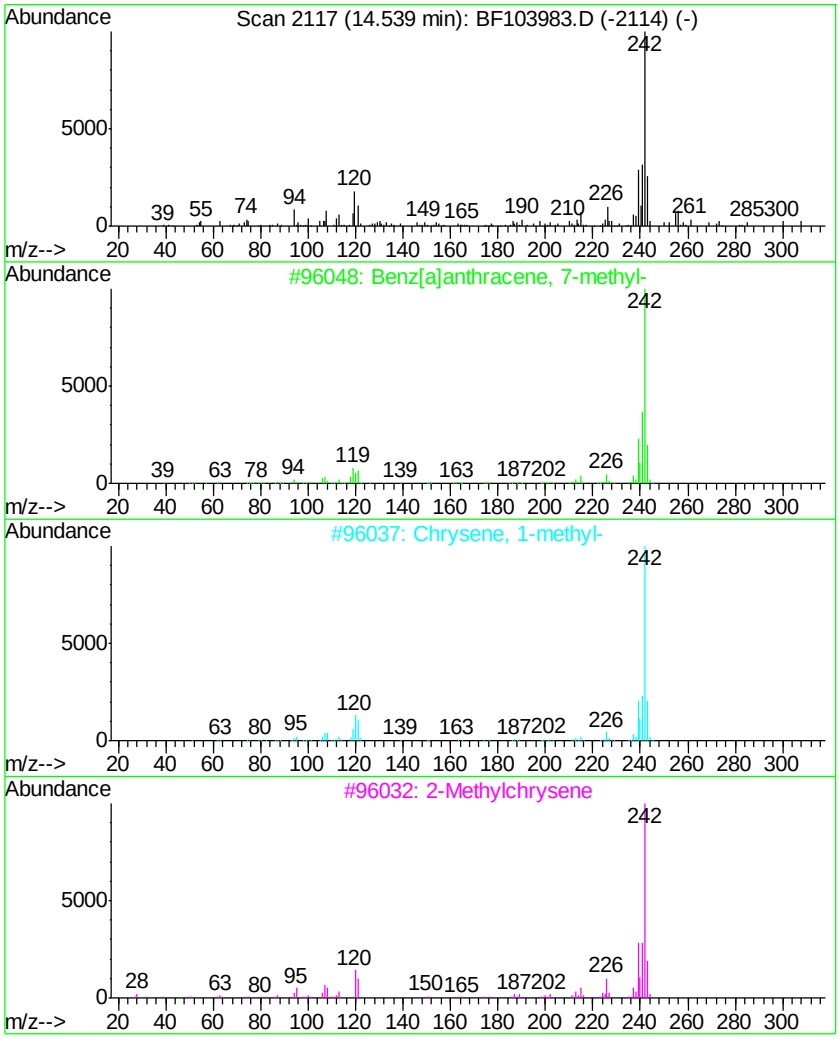
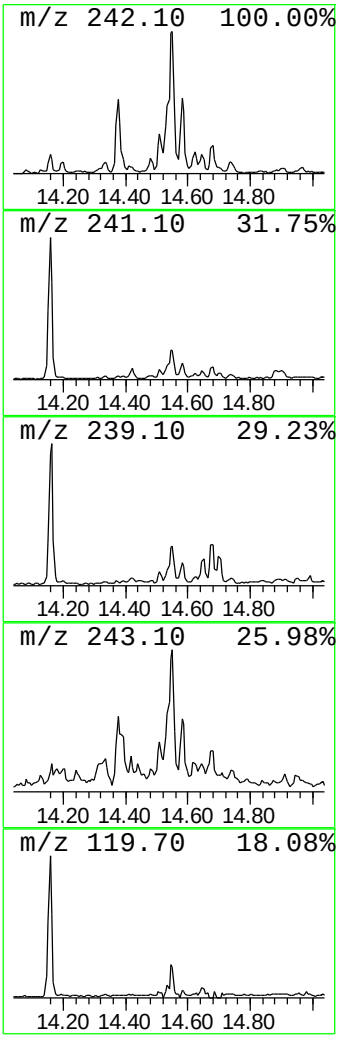
Peak Number 12 Benz[a]anthracene, 7-methyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.54	2.07 ng	135480	Chrysene-d12	14.16

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benz[a]anthracene, 7-methyl-	242	C19H14	002541-69-7	95
2	Chrysene, 1-methyl-	242	C19H14	003351-28-8	95
3	2-Methylchrysene	242	C19H14	003351-32-4	94
4	Triphenylene, 2-methyl-	242	C19H14	001705-84-6	93
5	Chrysene, 5-methyl-	242	C19H14	003697-24-3	90





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Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TP-BD

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF031518.M
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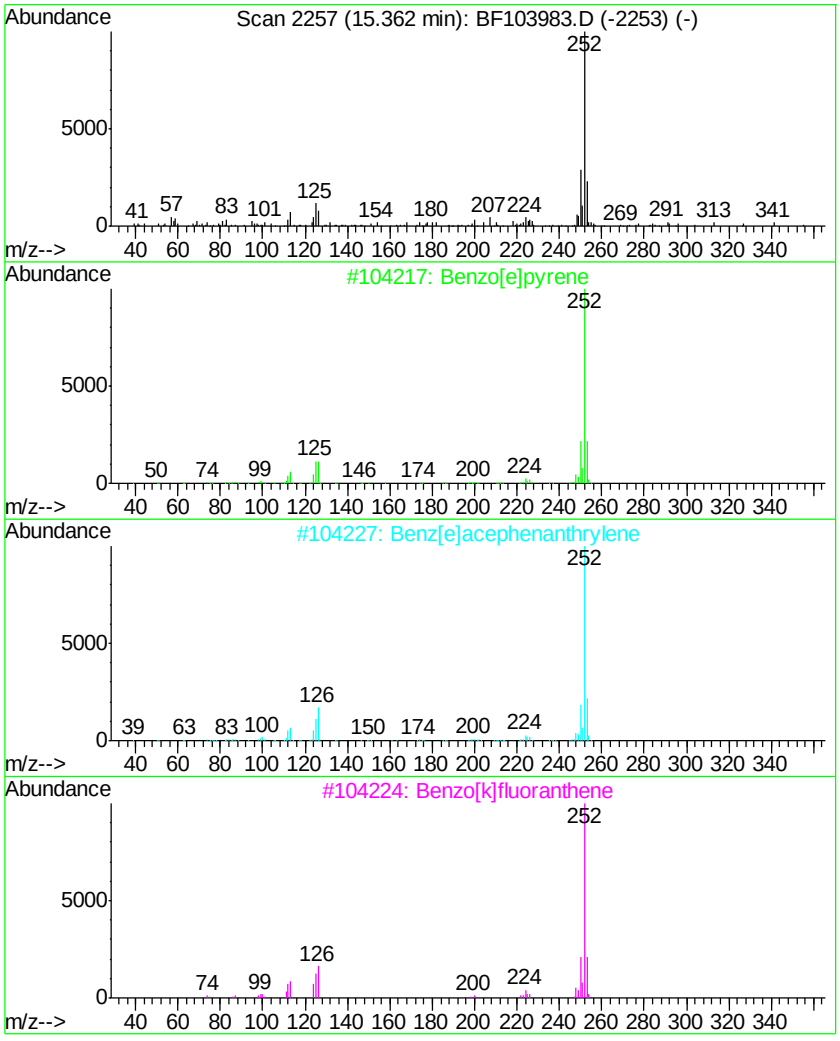
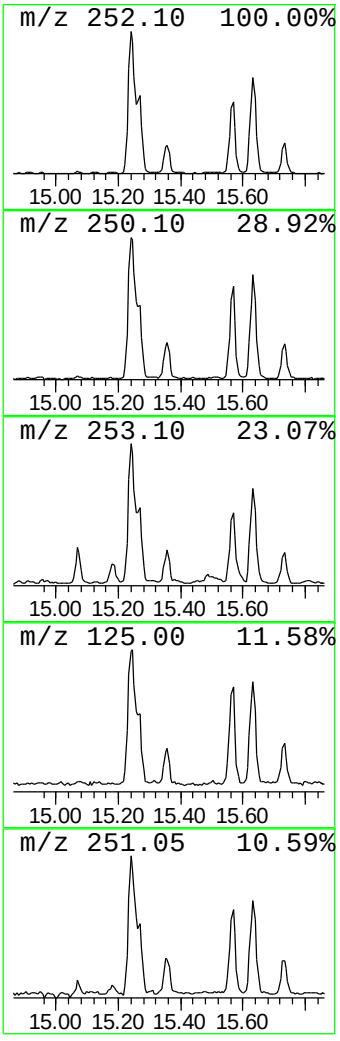
Peak Number 13 Benzo[e]pyrene Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.36	4.11 ng	131118	Perylene-d12	15.70

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	97
2	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	93
3	Benzo[k]fluoranthene	252	C20H12	000207-08-9	93
4	Benzo[a]pyrene	252	C20H12	000050-32-8	93
5	Perylene	252	C20H12	000198-55-0	89





Tentatively Identified Compound (LSC) summary

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
Butane, 2-methoxy...	2.32	3.1	ng	114442	1	6.97	743231	20.0
2-Pentanone, 4-hy...	5.22	2.4	ng	87799	1	6.97	743231	20.0
unknown6.75	6.75	66.3	ng	2462760	1	6.97	743231	20.0
Tetradecane	10.42	2.2	ng	114228	3	10.01	1024250	20.0
Sulfurous acid, p...	10.90	4.3	ng	186499	4	11.50	873817	20.0
n-Hexadecanoic acid	12.01	3.8	ng	164102	4	11.50	873817	20.0
4H-Cyclopenta[def...	12.12	2.3	ng	99238	4	11.50	873817	20.0
Pyrene, 1-methyl-	13.17	2.3	ng	149883	5	14.16	1308240	20.0
11H-Benzo[a]fluorene	13.28	3.7	ng	240125	5	14.16	1308240	20.0
Cyclohexadecane	13.96	5.7	ng	370729	5	14.16	1308240	20.0
Benz[a]anthracene...	14.54	2.1	ng	135480	5	14.16	1308240	20.0
Benzo[e]pyrene	15.36	4.1	ng	131118	6	15.70	637294	20.0