LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF040418\
Data File : BF104240.D
Acq On : 4 Apr 2018 21:54
Operator : JU/SJ
Sample : J2207-01
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SP-1

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-BF032818.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	2.281	29	33	41	rVB	102452	143965	4.46%	0.471%
2	5.198	526	529	541	rBV	52968	99092	3.07%	0.324%
3	5.592	592	596	636	rBV	1056916	2566747	79.48%	8.400%
4	6.592	763	766	785	rBV	1241641	2545551	78.83%	8.330%
5	6.728	785	789	824	rVV	1853718	3229305	100.00%	10.568%
6	6.951	824	827	847	rVV	313126	670403	20.76%	2.194%
7	7.104	849	853	876	rVV	1752880	2189396	67.80%	7.165%
8	7.516	920	923	945	rBV	860841	1655557	51.27%	5.418%
9	7.663	946	948	959	rVB2	33718	52956	1.64%	0.173%
10	8.233	1041	1045	1069	rBV	540627	945566	29.28%	3.094%
11	9.304	1223	1227	1235	rBV	2458382	2908179	90.06%	9.517%
12	9.692	1287	1293	1300	rBV	162815	202479	6.27%	0.663%
13	9.851	1315	1320	1324	rBV	24759	36830	1.14%	0.121%
14	9.892	1324	1327	1332	rVB	80214	64912	2.01%	0.212%
15	9.986	1339	1343	1347	rBV2	855379	873904	27.06%	2.860%
16	10.392	1405	1412	1415	rBV	98720	90676	2.81%	0.297%
17	10.610	1444	1449	1455	rBV2	30354	44002	1.36%	0.144%
18	10.786	1475	1479	1490	rBV	1166239	1592645	49.32%	5.212%
19	10.869	1490	1493	1504	rVB	101180	162211	5.02%	0.531%
20	11.316	1565	1569	1571	rBV2	52788	49386	1.53%	0.162%
21	11.339	1571	1573	1578	rVB	29039	32906	1.02%	0.108%
22	11.486	1594	1598	1600	rBV	583530	649376	20.11%	2.125%
23	11.510	1600	1602	1609	rVV	447951	600184	18.59%	1.964%
24	11.569	1609	1612	1627	rVB	73287	182248	5.64%	0.596%
25	11.739	1636	1641	1645	rBV3	43956	66746	2.07%	0.218%
26	11.986	1680	1683	1686	rBV	120533	134735	4.17%	0.441%
27	12.016	1686	1688	1694	rVB2	55993	81977	2.54%	0.268%
28	12.098	1699	1702	1709	rVV2	76812	154008	4.77%	0.504%
29	12.280	1730	1733	1738	rBV2	27317	48649	1.51%	0.159%
30	12.327	1738	1741	1751	rVB5	22242	46305	1.43%	0.152%
31	12.539	1773	1777	1780	rBV2	53652	62338	1.93%	0.204%
32	12.633	1789	1793	1800	rVB3	32753	60488	1.87%	0.198%
33	12.704	1801	1805	1814	rBV	751939	863176	26.73%	2.825%
34	12.916	1838	1841	1842	rBV	122365	122093	3.78%	0.400%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF040418\
Data File : BF104240.D
Acq On : 4 Apr 2018 21:54
Operator : JU/SJ
Sample : J2207-01
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SP-1

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-BF032818.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	12.933	1842	1844	1850	rVB	616103	658338	20.39%	2.154%
36	13.068	1863	1867	1877	rBV	1864171	2107245	65.25%	6.896%
37	13.151	1877	1881	1888	rVB3	49574	101220	3.13%	0.331%
38	13.245	1893	1897	1898	rBV3	41859	49717	1.54%	0.163%
39	13.263	1898	1900	1906	rVB	64783	84375	2.61%	0.276%
40	13.333	1909	1912	1914	rBV2	29205	32774	1.01%	0.107%
41	13.368	1914	1918	1921	rBV2	44536	63749	1.97%	0.209%
42	13.463	1931	1934	1937	rBV	33428	36374	1.13%	0.119%
43	13.492	1937	1939	1942	rBV3	35427	33886	1.05%	0.111%
44	13.780	1985	1988	1995	rBV	43497	61894	1.92%	0.203%
45	13.892	2004	2007	2008	rBV	56060	59334	1.84%	0.194%
46	13.915	2008	2011	2012	rVV	67045	77848	2.41%	0.255%
47	13.939	2012	2015	2022	rVV3	261546	361592	11.20%	1.183%
48	13.992	2022	2024	2031	rVB	53741	72612	2.25%	0.238%
49	14.080	2036	2039	2042	rVB	111987	91918	2.85%	0.301%
50	14.139	2044	2049	2052	rVV2	665259	1087257	33.67%	3.558%
51	14.168	2052	2054	2065	rVV	369512	516864	16.01%	1.691%
52	14.245	2065	2067	2073	rVB2	47391	67829	2.10%	0.222%
53	14.527	2113	2115	2119	rVB	36092	39454	1.22%	0.129%
54	14.568	2119	2122	2126	rBV3	32189	46958	1.45%	0.154%
55	15.221	2228	2233	2244	rBV	278324	702309	21.75%	2.298%
56	15.333	2250	2252	2258	rVB2	51132	56931	1.76%	0.186%
57	15.539	2284	2287	2295	rBV	129557	206200	6.39%	0.675%
58	15.615	2295	2300	2306	rBV	175617	300251	9.30%	0.983%
59	15.680	2306	2311	2315	rBV	254787	412130	12.76%	1.349%

Sum of corrected areas: 30558050

LSC Report - Integrated Chromatogram

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Data File : BF104240.D
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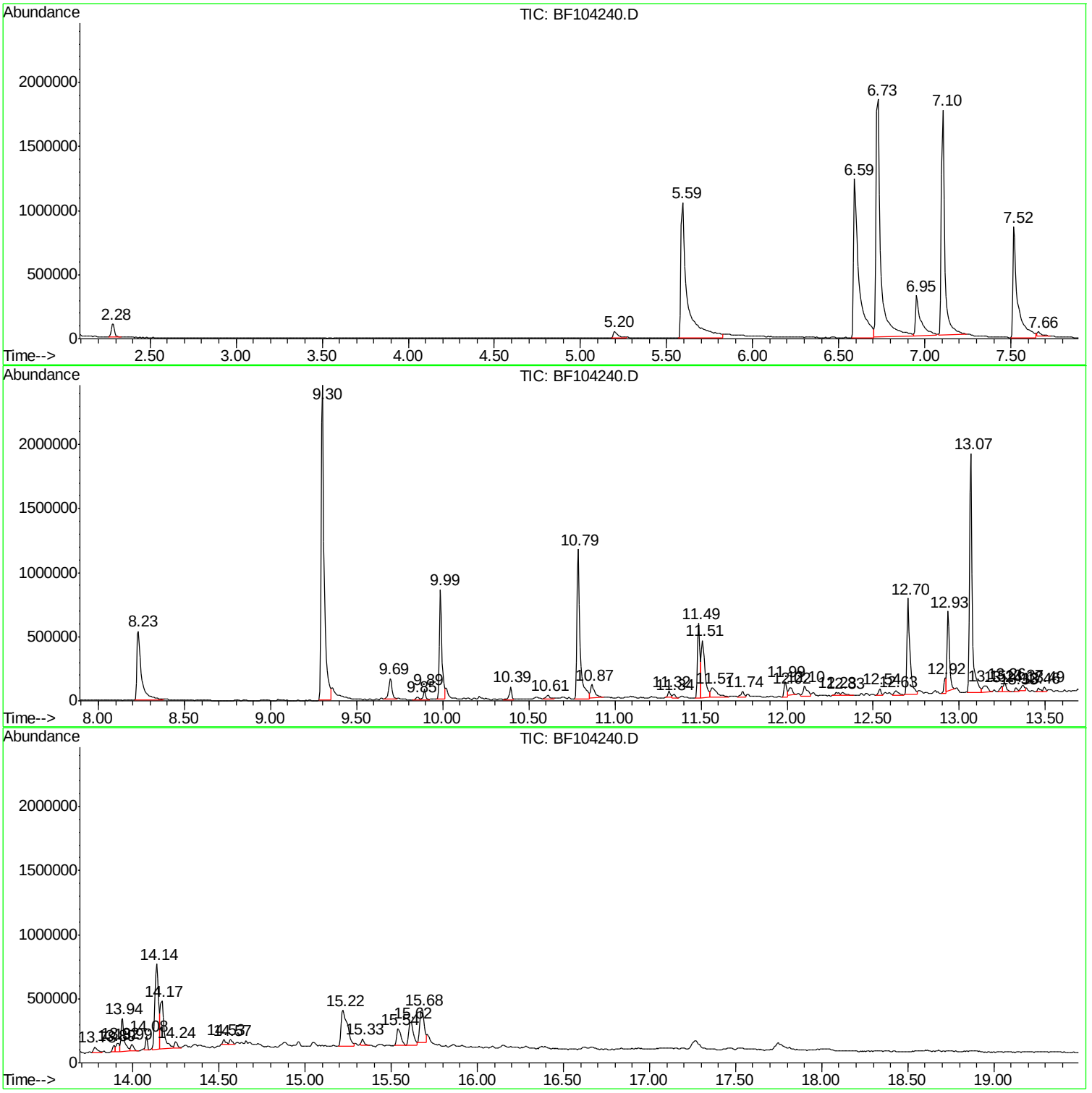
Operator : JU/SJ
Sample : J2207-01
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SP-1

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF032818.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF040418\
Data File : BF104240.D
Acq On : 4 Apr 2018 21:54
Operator : JU/SJ
Sample : J2207-01
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SP-1

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF032818.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

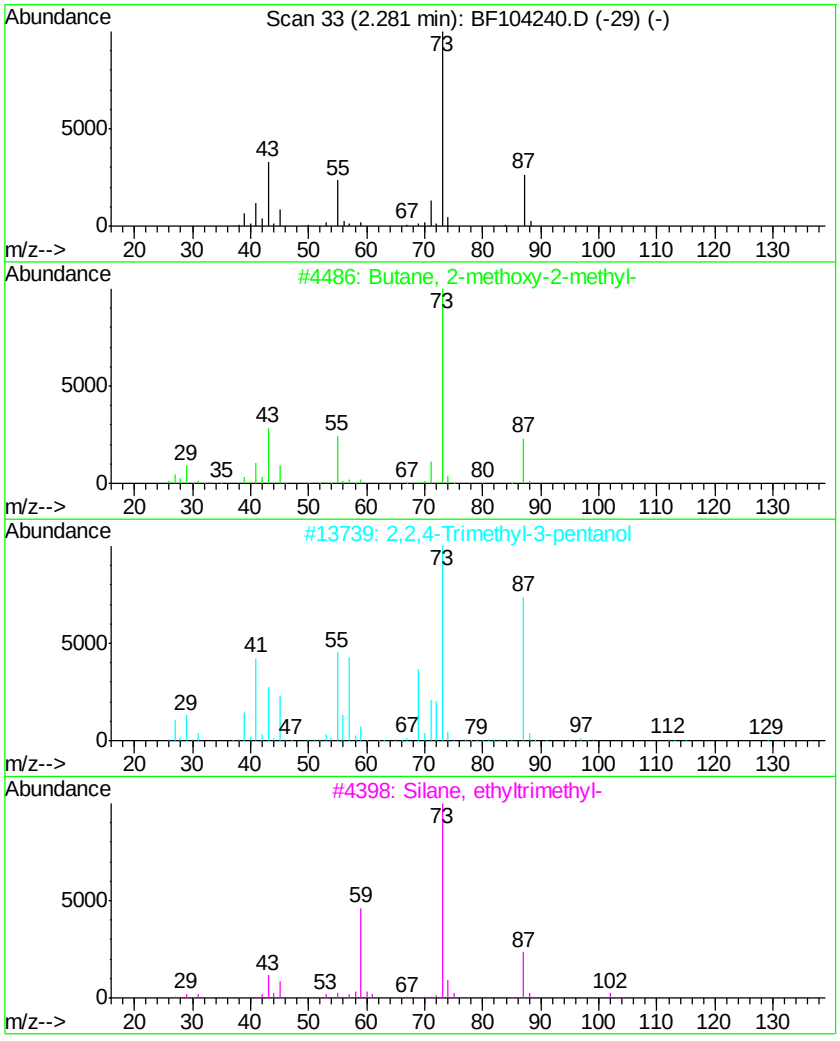
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

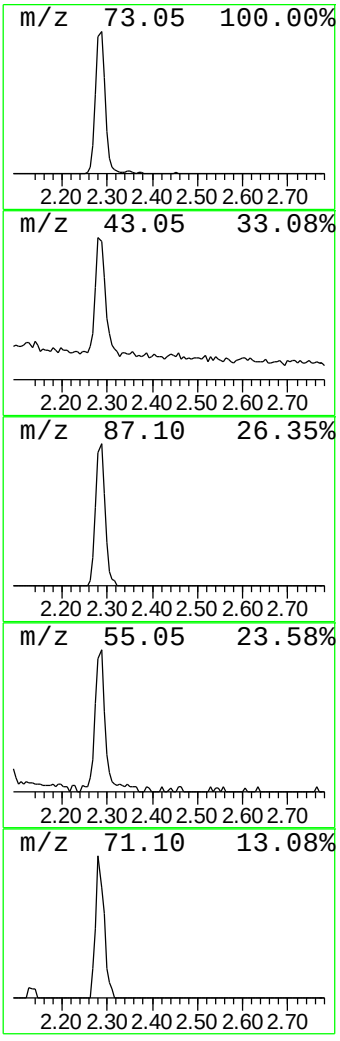
****

Peak Number 1 Butane, 2-methoxy-2-methyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.28	4.29 ng	143965	1,4-Dichlorobenzene-d4	6.95

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butane, 2-methoxy-2-methyl-	102	C6H14O	000994-05-8	86
2	2,2,4-Trimethyl-3-pentanol	130	C8H18O	005162-48-1	39
3	Silane, ethyltrimethyl-	102	C5H14Si	003439-38-1	33
4	Pentane, 3-methoxy-	102	C6H14O	036839-67-5	23
5	Octanal, 7-methoxy-3,7-dimethyl-	186	C11H22O2	003613-30-7	17





Data Path : Z:\HPCHEM1\BNA F\DATA\BF040418\
Data File : BF104240.D
Acq On : 4 Apr 2018 21:54
Operator : JU/SJ
Sample : J2207-01
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SP-1

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF032818.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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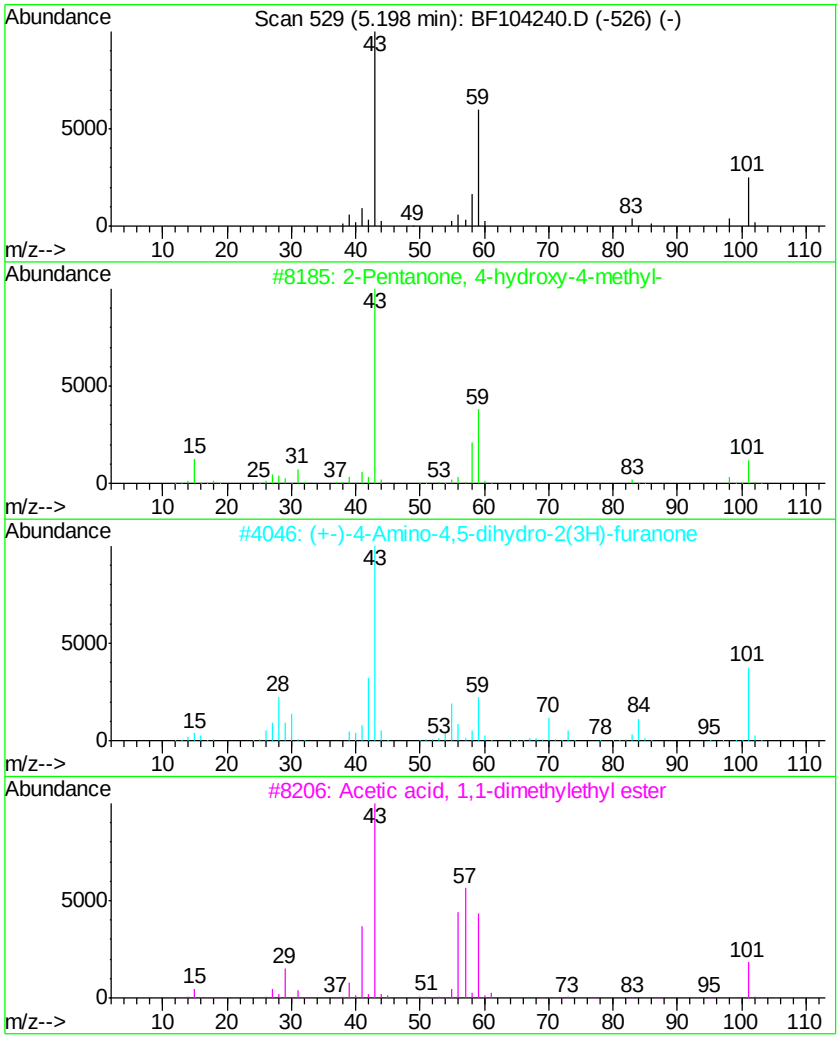
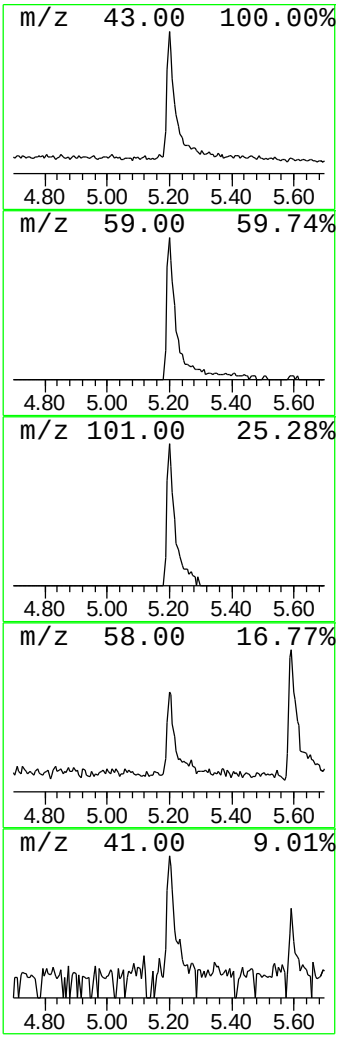
Peak Number 2 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.20	2.96 ng	99092	1,4-Dichlorobenzene-d4	6.95

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	50
2	(+-)-4-Amino-4,5-dihydro-2(3H)-f...	101	C4H7NO2	016504-58-8	47
3	Acetic acid, 1,1-dimethylethyl e...	116	C6H12O2	000540-88-5	38
4	3-Hexanol, 4-methyl-	116	C7H16O	000615-29-2	25
5	1,8-Nonanediol, 8-methyl-	174	C10H22O2	054725-73-4	23





Data Path : Z:\HPCHEM1\BNA F\DATA\BF040418\
Data File : BF104240.D
Acq On : 4 Apr 2018 21:54
Operator : JU/SJ
Sample : J2207-01
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SP-1

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF032818.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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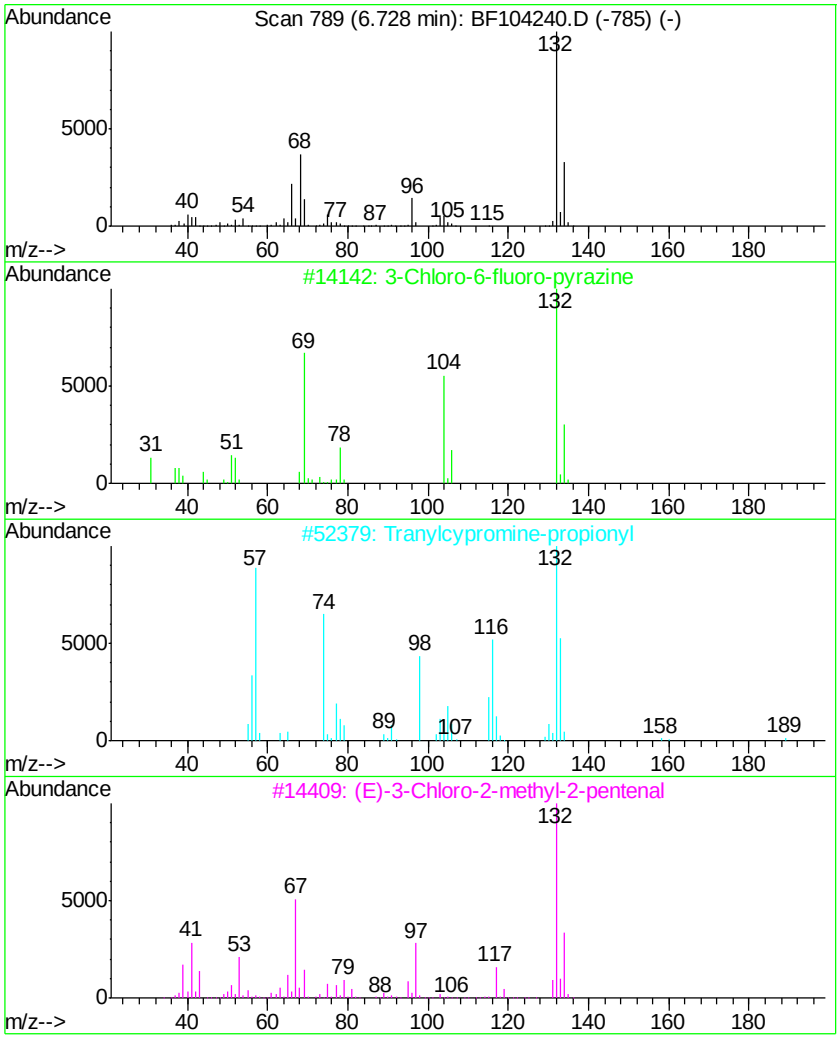
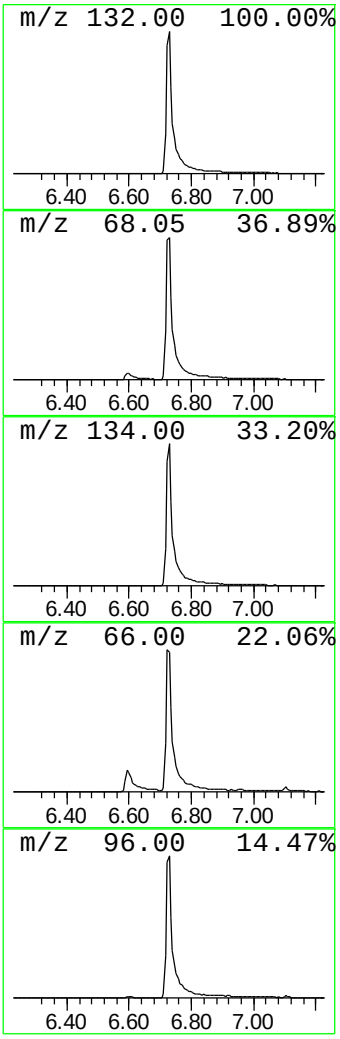
Peak Number 3 unknown6.73 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.73	96.34 ng	3229310	1,4-Dichlorobenzene-d4	6.95

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	38
2	Tranylcypromine-propionyl	189	C12H15NO	1000123-86-3	12
3	(E)-3-Chloro-2-methyl-2-pentenal	132	C6H9ClO	031357-76-3	12
4	1H-Benzimidazole, 2-methyl-	132	C8H8N2	000615-15-6	10
5	2H-Cyclopenta[d]pyridazine, 2-me...	132	C8H8N2	022291-85-6	9





Data Path : Z:\HPCHEM1\BNA F\DATA\BF040418\
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Acq On : 4 Apr 2018 21:54
Operator : JU/SJ
Sample : J2207-01
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SP-1

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF032818.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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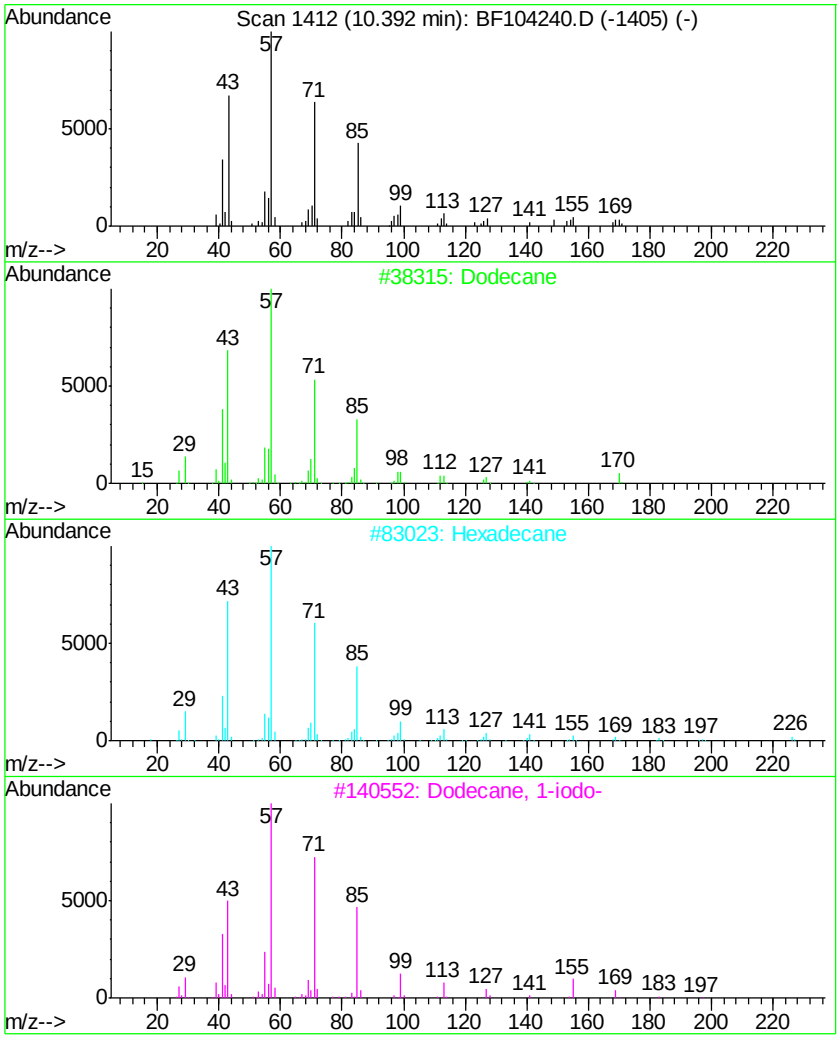
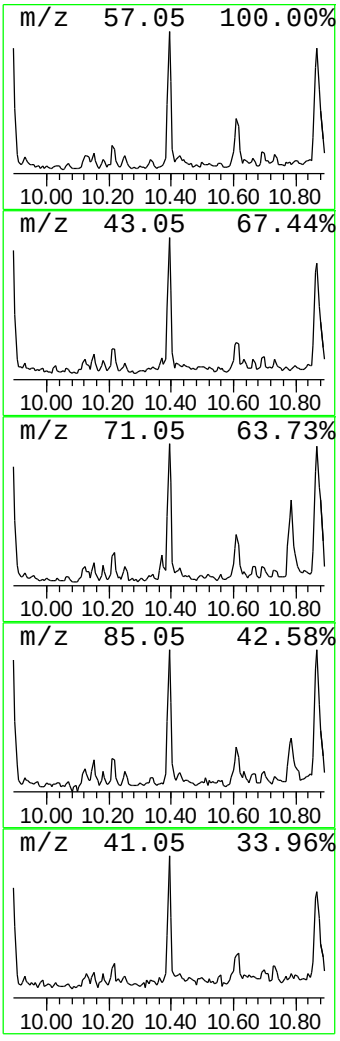
Peak Number 5 Dodecane Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.39	2.08 ng	90676	Acenaphthene-d10	9.99

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dodecane	170	C12H26	000112-40-3	93
2	Hexadecane	226	C16H34	000544-76-3	90
3	Dodecane, 1-iodo-	296	C12H25I	004292-19-7	86
4	Tetradecane	198	C14H30	000629-59-4	86
5	Eicosane, 10-methyl-	296	C21H44	054833-23-7	86





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Sample : J2207-01
Misc :
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Instrument : BNA_F
ClientSampleId : SP-1

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF032818.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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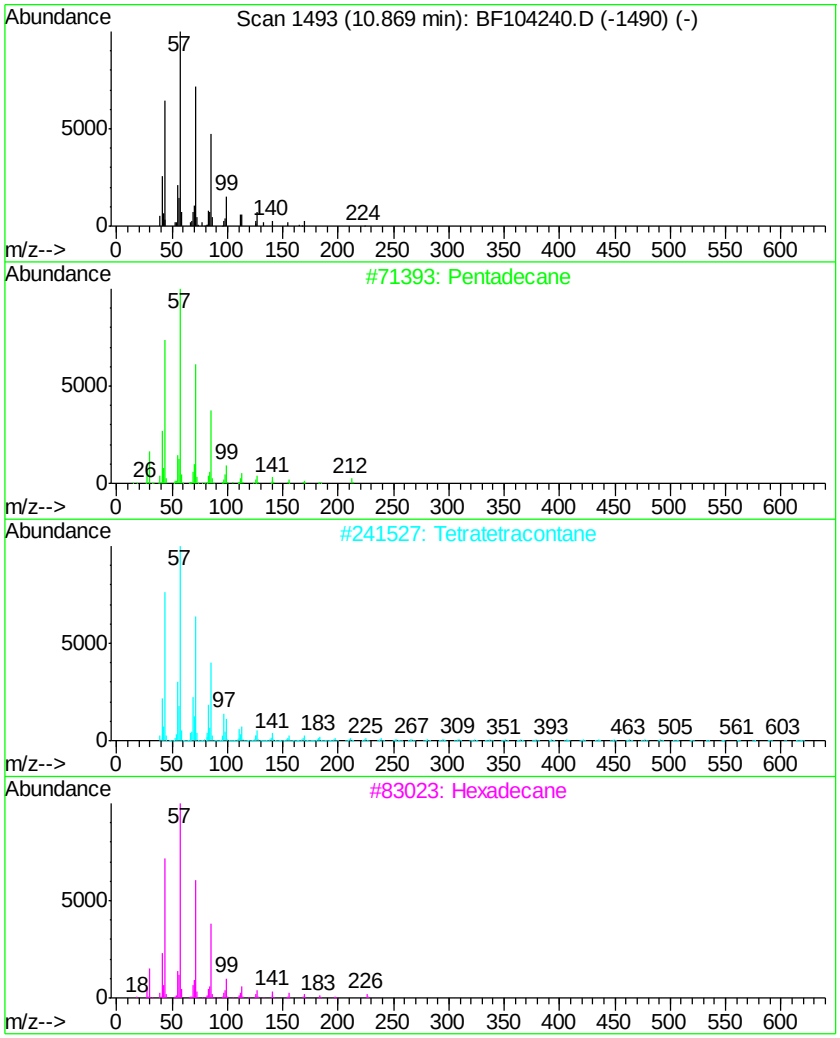
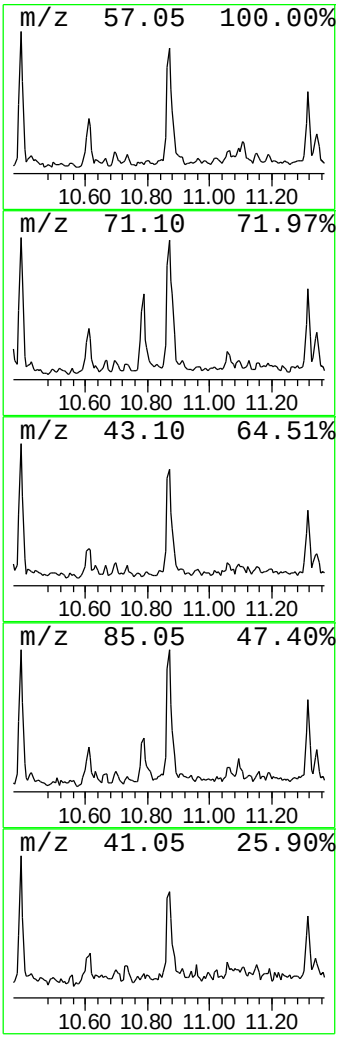
Peak Number 6 Pentadecane Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.87	5.00 ng	162211	Phenanthrene-d10	11.49

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentadecane	212	C15H32	000629-62-9	86
2	Tetratetracontane	619	C44H90	007098-22-8	86
3	Hexadecane	226	C16H34	000544-76-3	83
4	Dodecane, 1-iodo-	296	C12H25I	004292-19-7	80
5	Tridecane, 1-iodo-	310	C13H27I	035599-77-0	78





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Instrument : BNA_F
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Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF032818.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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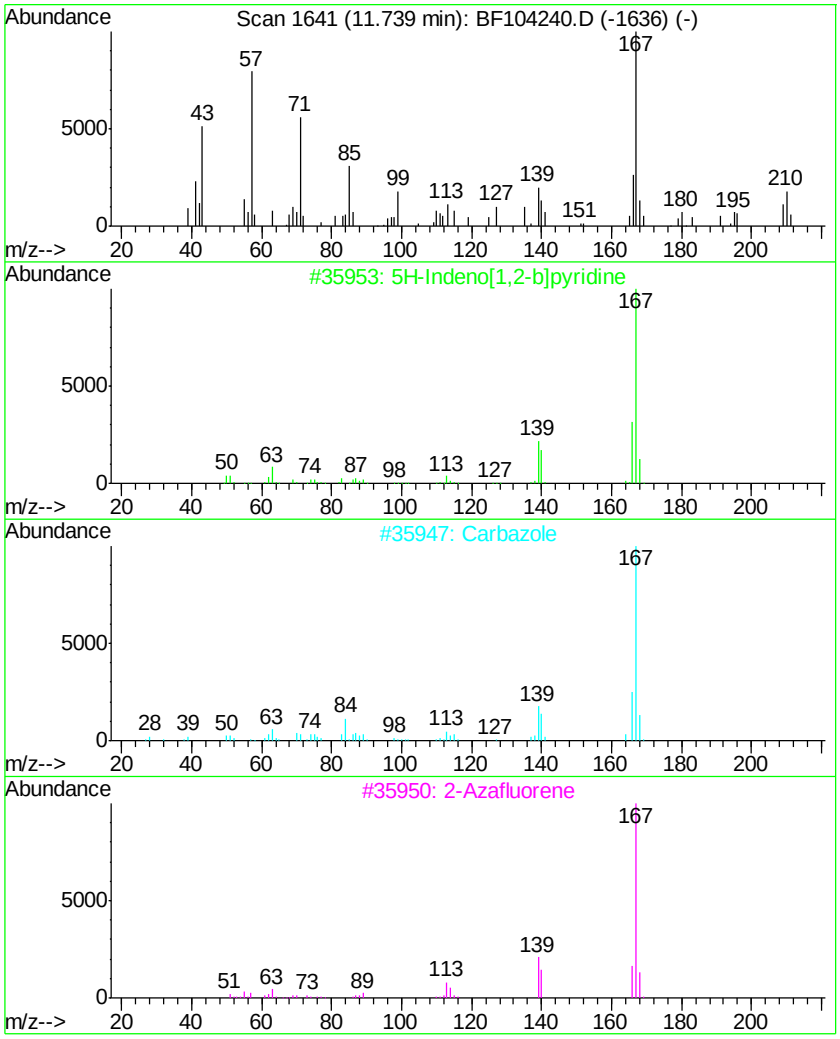
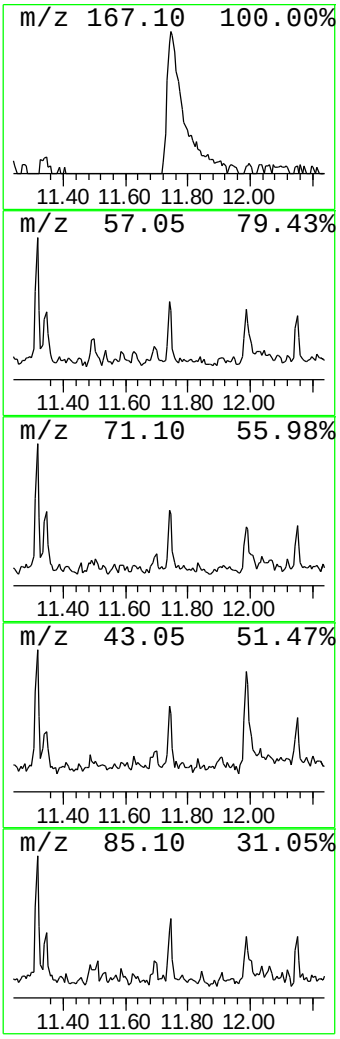
Peak Number 7 unknown11.74 Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.74	2.06 ng	66746	Phenanthrene-d10	11.49

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	5H-Indeno[1,2-b]pyridine	167	C12H9N	000244-99-5	49
2	Carbazole	167	C12H9N	000086-74-8	47
3	2-Azafluorene	167	C12H9N	000244-40-6	46
4	5-Fluoro-2-methyl-benzothiazole	167	C8H6FNS	000399-75-7	43
5	1,1'-Biphenyl, 3-azido-	195	C12H9N3	014213-01-5	38





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Data File : BF104240.D
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Operator : JU/SJ
Sample : J2207-01
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SP-1

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF032818.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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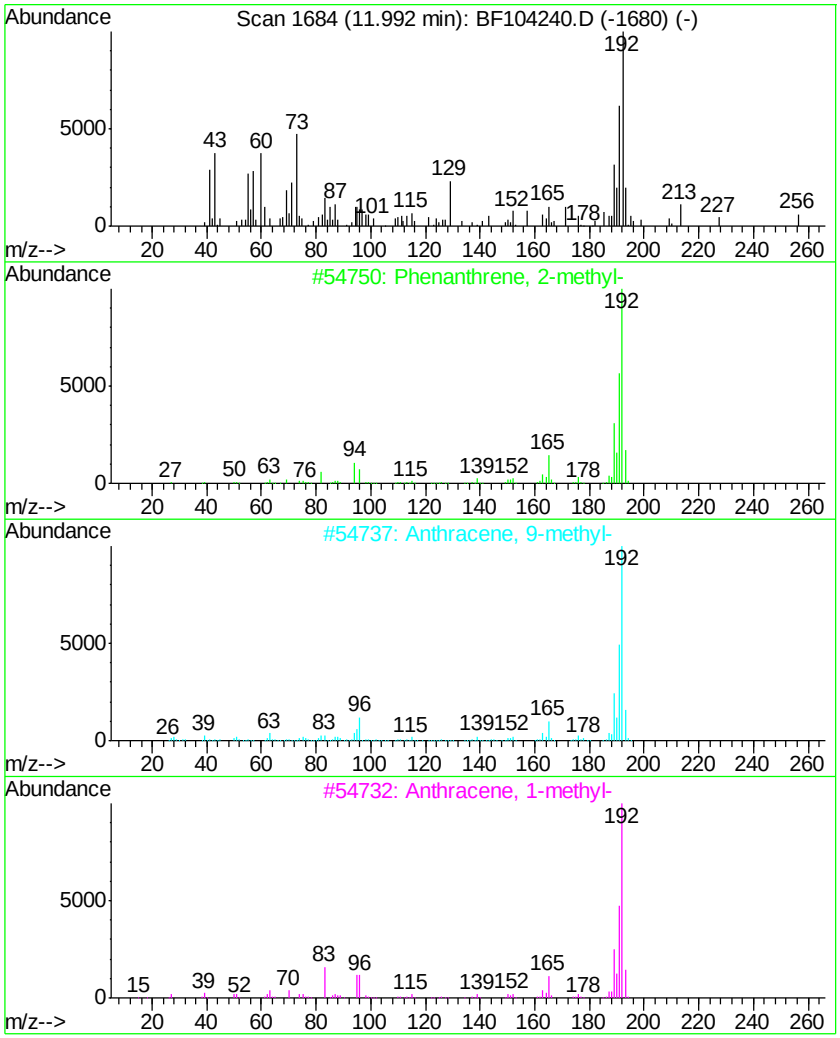
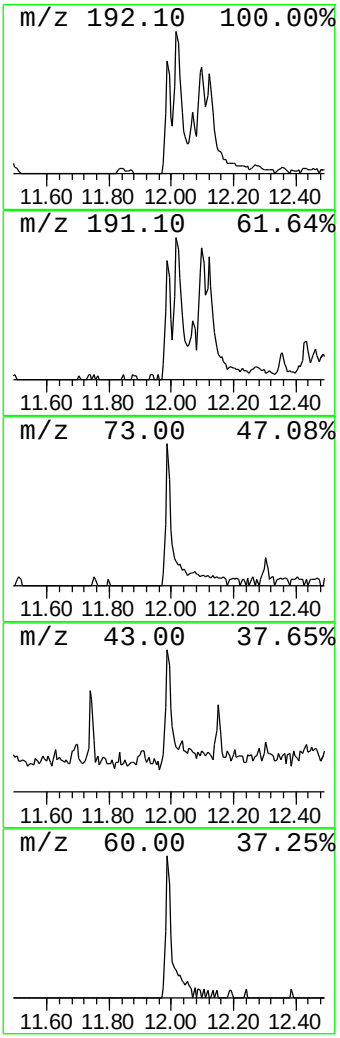
Peak Number 8 Phenanthrene, 2-methyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.99	4.15 ng	134735	Phenanthrene-d10	11.49

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	90
2	Anthracene, 9-methyl-	192	C15H12	000779-02-2	78
3	Anthracene, 1-methyl-	192	C15H12	000610-48-0	70
4	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	70
5	Naphtho[2,3-b]norbornadiene	192	C15H12	107426-38-0	70





Data Path : Z:\HPCHEM1\BNA F\DATA\BF040418\
Data File : BF104240.D
Acq On : 4 Apr 2018 21:54
Operator : JU/SJ
Sample : J2207-01
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SP-1

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF032818.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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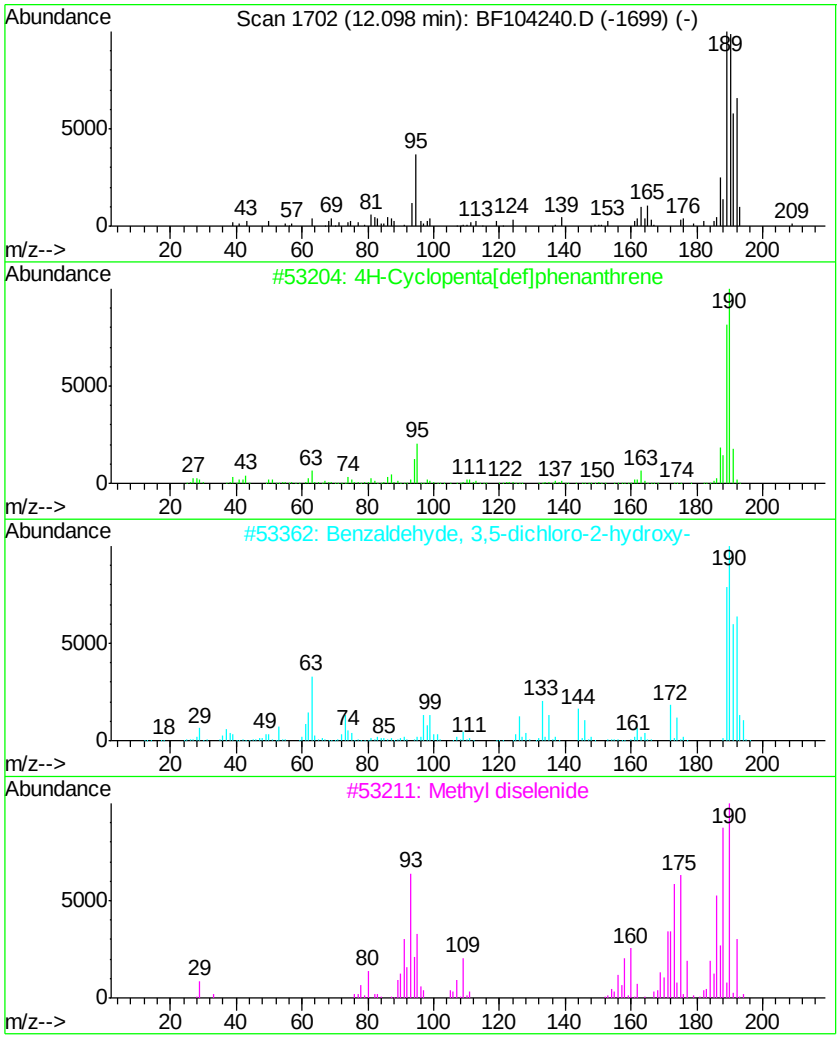
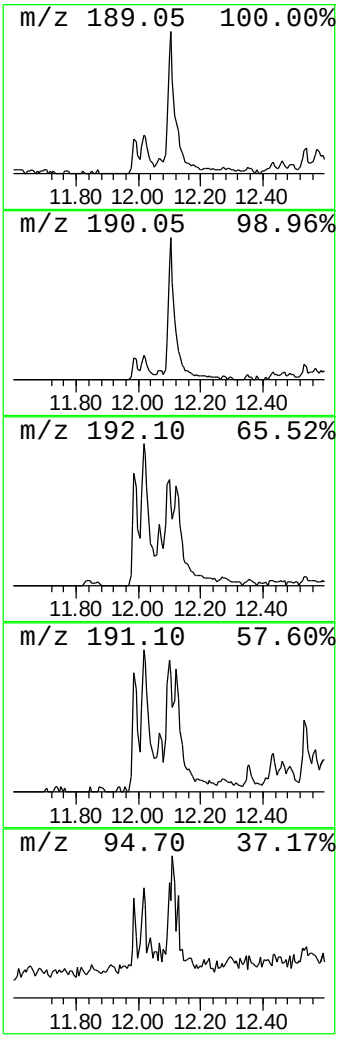
Peak Number 10 4H-Cyclopenta[def]phenanthrene Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.10	4.74 ng	154008	Phenanthrene-d10	11.49

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	64
2	Benzaldehyde, 3,5-dichloro-2-hyd...	190	C7H4Cl2O2	000090-60-8	52
3	Methyl diselenide	190	C2H6Se2	007101-31-7	35
4	8,9-Dihydrocyclopenta[def]phenan...	192	C15H12	027410-55-5	25
5	Benzene, 1,1'-(2-cyclopropen-1-y...	192	C15H12	022825-21-4	25





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Acq On : 4 Apr 2018 21:54
Operator : JU/SJ
Sample : J2207-01
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SP-1

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF032818.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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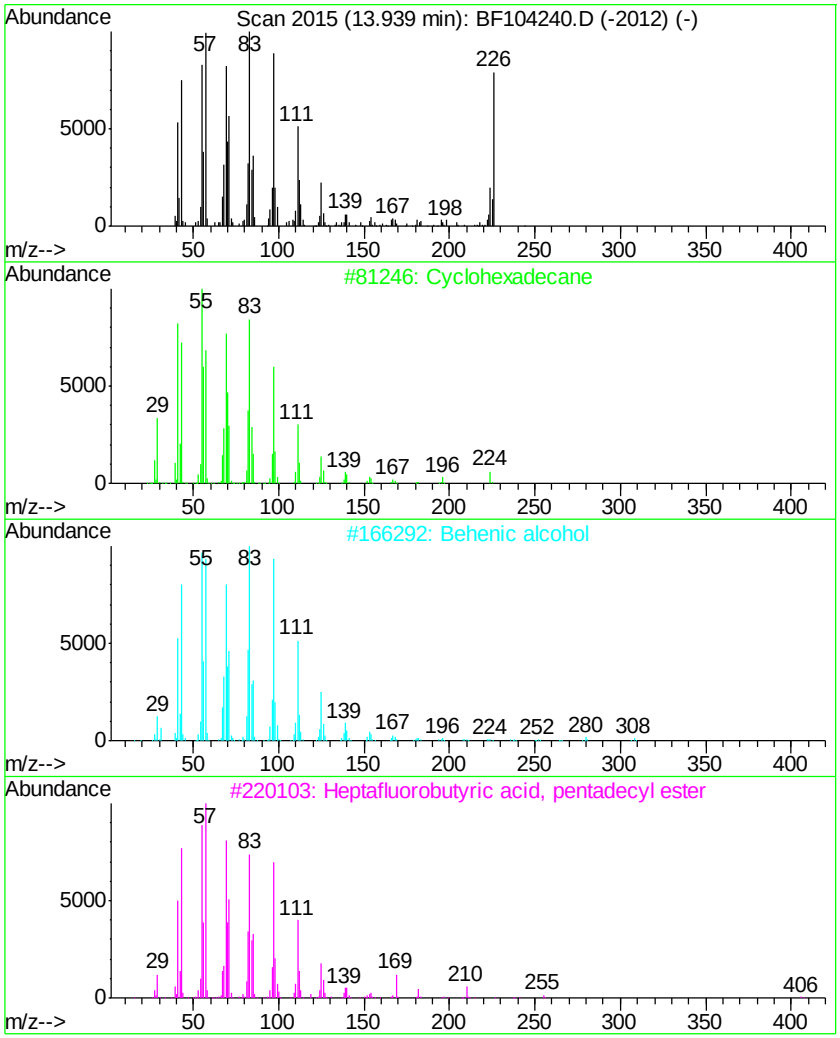
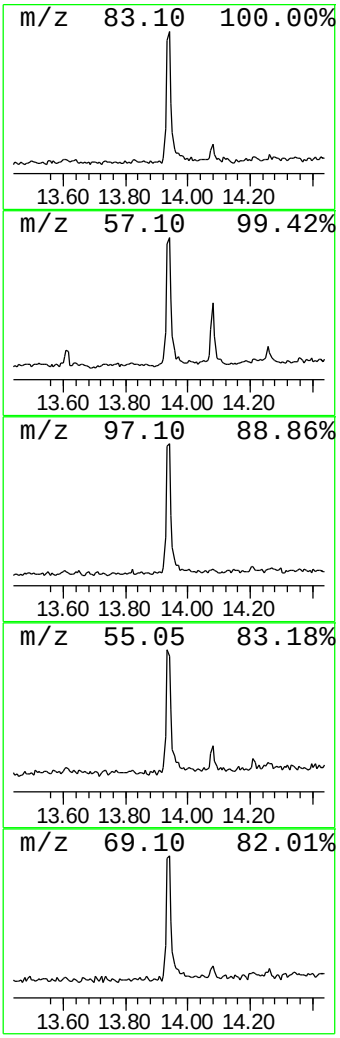
Peak Number 11 Cyclohexadecane Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.94	6.65 ng	361592	Chrysene-d12	14.14

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexadecane	224	C16H32	000295-65-8	93
2	Behenic alcohol	326	C22H46O	000661-19-8	89
3	Heptafluorobutyric acid, pentade...	424	C19H31F7O2	959261-23-5	89
4	Pentafluoropropionic acid, penta...	374	C18H31F5O2	959092-08-1	89
5	Z-8-Hexadecene	224	C16H32	1000130-87-5	78





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Data File : BF104240.D
Acq On : 4 Apr 2018 21:54
Operator : JU/SJ
Sample : J2207-01
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SP-1

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF032818.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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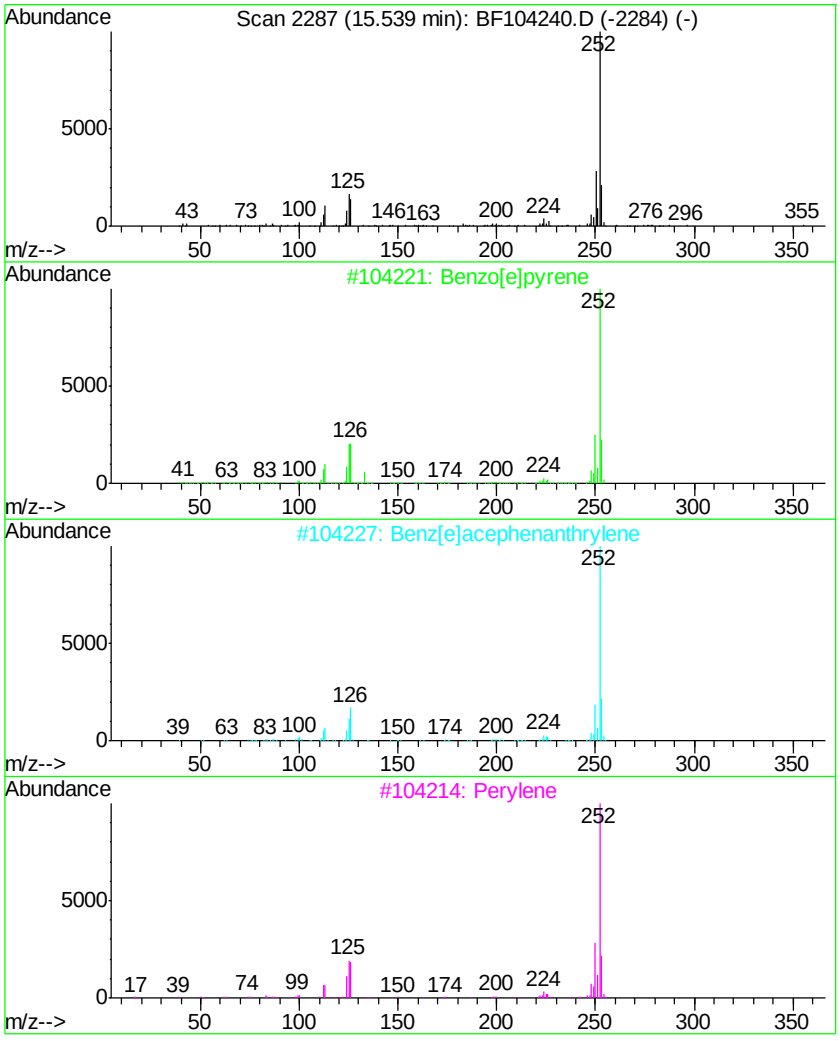
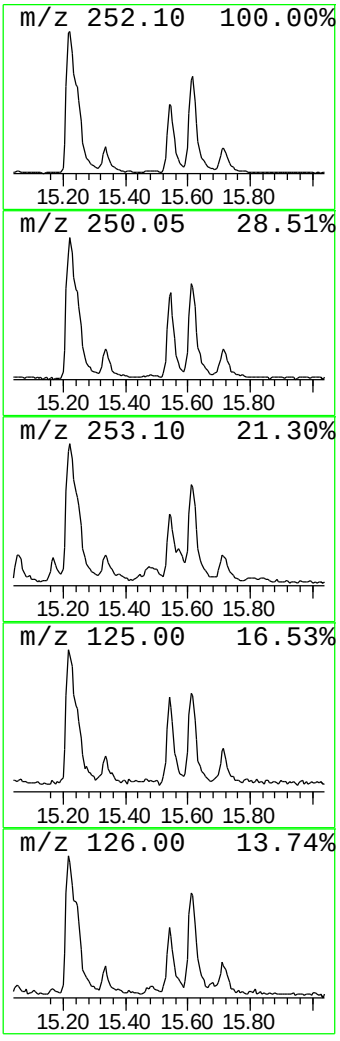
Peak Number 13 Benzo[e]pyrene Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.54	10.01 ng	206200	Perylene-d12	15.68

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	98
2	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	97
3	Perylene	252	C20H12	000198-55-0	95
4	Benzo[k]fluoranthene	252	C20H12	000207-08-9	94
5	Benzo[a]pyrene	252	C20H12	000050-32-8	91





Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF040418\
Data File : BF104240.D
Acq On : 4 Apr 2018 21:54
Operator : JU/SJ
Sample : J2207-01
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SP-1

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF032818.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...	2.28	4.3	ng	143965	1	6.95	670403	20.0
2-Pentanone, 4-hy...	5.20	3.0	ng	99092	1	6.95	670403	20.0
unknown6.73	6.73	96.3	ng	3229310	1	6.95	670403	20.0
Dodecane	10.39	2.1	ng	90676	3	9.99	873904	20.0
Pentadecane	10.87	5.0	ng	162211	4	11.49	649376	20.0
unknown11.74	11.74	2.1	ng	66746	4	11.49	649376	20.0
Phenanthrene, 2-m...	11.99	4.2	ng	134735	4	11.49	649376	20.0
4H-Cyclopenta[def...	12.10	4.7	ng	154008	4	11.49	649376	20.0
Cyclohexadecane	13.94	6.7	ng	361592	5	14.14	1087260	20.0
Benzo[e]pyrene	15.54	10.0	ng	206200	6	15.68	412130	20.0