LSC Area Percent Report

Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA F\DATA\BF033018\
Data File : BF104116.D
Acq On : 31 Mar 2018 1:44
Operator : JU/SJ
Sample : J2142-05
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : GB-RT-3025

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	2.287	29	34	40	rVB	62513	80644	3.64%	0.345%
2	5.198	525	529	540	rBV	49574	71969	3.25%	0.308%
3	5.587	592	595	629	rBV	1043947	1747220	78.81%	7.476%
4	6.592	762	766	786	rBV	1075090	1838178	82.91%	7.865%
5	6.728	786	789	825	rVV	1581962	2217120	100.00%	9.487%
6	6.957	825	828	850	rVV	325719	577292	26.04%	2.470%
7	7.110	850	854	879	rVB	1348453	1454033	65.58%	6.222%
8	7.522	920	924	948	rBV	682274	1140231	51.43%	4.879%
9	8.239	1042	1046	1069	rBV	542099	773070	34.87%	3.308%
10	9.310	1224	1228	1237	rBV	1858973	1945511	87.75%	8.325%
11	9.698	1291	1294	1301	rVB	122833	135114	6.09%	0.578%
12	9.857	1316	1321	1326	rBV	25348	34747	1.57%	0.149%
13	9.904	1326	1329	1333	rVV	49332	38603	1.74%	0.165%
14	9.992	1341	1344	1348	rBV	711066	730477	32.95%	3.126%
15	10.404	1411	1414	1417	rBV	63552	49336	2.23%	0.211%
16	10.551	1434	1439	1444	rBV3	25833	41892	1.89%	0.179%
17	10.786	1476	1479	1492	rBV	805484	1126426	50.81%	4.820%
18	10.875	1492	1494	1498	rVB	39403	44246	2.00%	0.189%
19	11.492	1595	1599	1601	rBV	542930	594254	26.80%	2.543%
20	11.516	1601	1603	1610	rVV	472420	575548	25.96%	2.463%
21	11.569	1610	1612	1623	rVB	85746	141084	6.36%	0.604%
22	11.751	1634	1643	1646	rBV7	17041	36745	1.66%	0.157%
23	11.992	1681	1684	1687	rBV	65895	76065	3.43%	0.325%
24	12.022	1687	1689	1695	rVB2	64090	74774	3.37%	0.320%
25	12.104	1700	1703	1706	rBV2	86840	105281	4.75%	0.450%
26	12.286	1731	1734	1738	rBV	35592	43376	1.96%	0.186%
27	12.321	1738	1740	1745	rVB2	19294	23270	1.05%	0.100%
28	12.539	1773	1777	1780	rBV	40939	47403	2.14%	0.203%
29	12.633	1790	1793	1802	rVB4	29271	46598	2.10%	0.199%
30	12.710	1802	1806	1815	rBV	723569	810406	36.55%	3.468%
31	12.868	1829	1833	1838	rVB4	29464	43993	1.98%	0.188%
32	12.939	1838	1845	1851	rBV	626092	779326	35.15%	3.335%
33	12.986	1851	1853	1859	rVV	41010	51304	2.31%	0.220%
34	13.074	1863	1868	1878	rVV	1402023	1555558	70.16%	6.656%

LSC Area Percent Report

Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA F\DATA\BF033018\
Data File : BF104116.D
Acq On : 31 Mar 2018 1:44
Operator : JU/SJ
Sample : J2142-05
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : GB-RT-3025

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	13.151	1878	1881	1887	rVB2	44238	79235	3.57%	0.339%
36	13.268	1893	1901	1907	rBV2	70907	132652	5.98%	0.568%
37	13.333	1909	1912	1915	rVV	47152	53559	2.42%	0.229%
38	13.368	1915	1918	1926	rVB3	49085	85494	3.86%	0.366%
39	13.463	1931	1934	1937	rVV2	30887	37143	1.68%	0.159%
40	13.498	1937	1940	1949	rVB3	35525	53115	2.40%	0.227%
41	13.780	1985	1988	1995	rVB	37003	50693	2.29%	0.217%
42	13.892	2001	2007	2009	rBV2	55127	72992	3.29%	0.312%
43	13.915	2009	2011	2013	rVV	64695	65882	2.97%	0.282%
44	13.945	2013	2016	2022	rVV3	111728	188631	8.51%	0.807%
45	13.992	2022	2024	2031	rVB2	45690	69200	3.12%	0.296%
46	14.139	2041	2049	2052	rBV2	653250	1017050	45.87%	4.352%
47	14.168	2052	2054	2061	rVV	334112	427863	19.30%	1.831%
48	14.251	2065	2068	2073	rVB	43392	50202	2.26%	0.215%
49	14.304	2073	2077	2083	rVB6	20330	37935	1.71%	0.162%
50	14.357	2083	2086	2089	rBV2	20592	31147	1.40%	0.133%
51	14.533	2111	2116	2120	rBV2	53668	76929	3.47%	0.329%
52	14.568	2120	2122	2127	rVB5	22201	39129	1.76%	0.167%
53	15.057	2201	2205	2211	rBV5	25856	39862	1.80%	0.171%
54	15.221	2228	2233	2236	rBV	226502	374401	16.89%	1.602%
55	15.339	2249	2253	2256	rBV	45682	58792	2.65%	0.252%
56	15.545	2284	2288	2295	rVB	105031	159182	7.18%	0.681%
57	15.615	2295	2300	2306	rBV	163187	273819	12.35%	1.172%
58	15.680	2306	2311	2324	rVB	297423	573059	25.85%	2.452%
59	17.262	2573	2580	2591	rBV3	62629	171339	7.73%	0.733%
60	17.739	2656	2661	2673	rVB2	35344	100355	4.53%	0.429%

Sum of corrected areas: 23370754

Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA F\DATA\BF033018\
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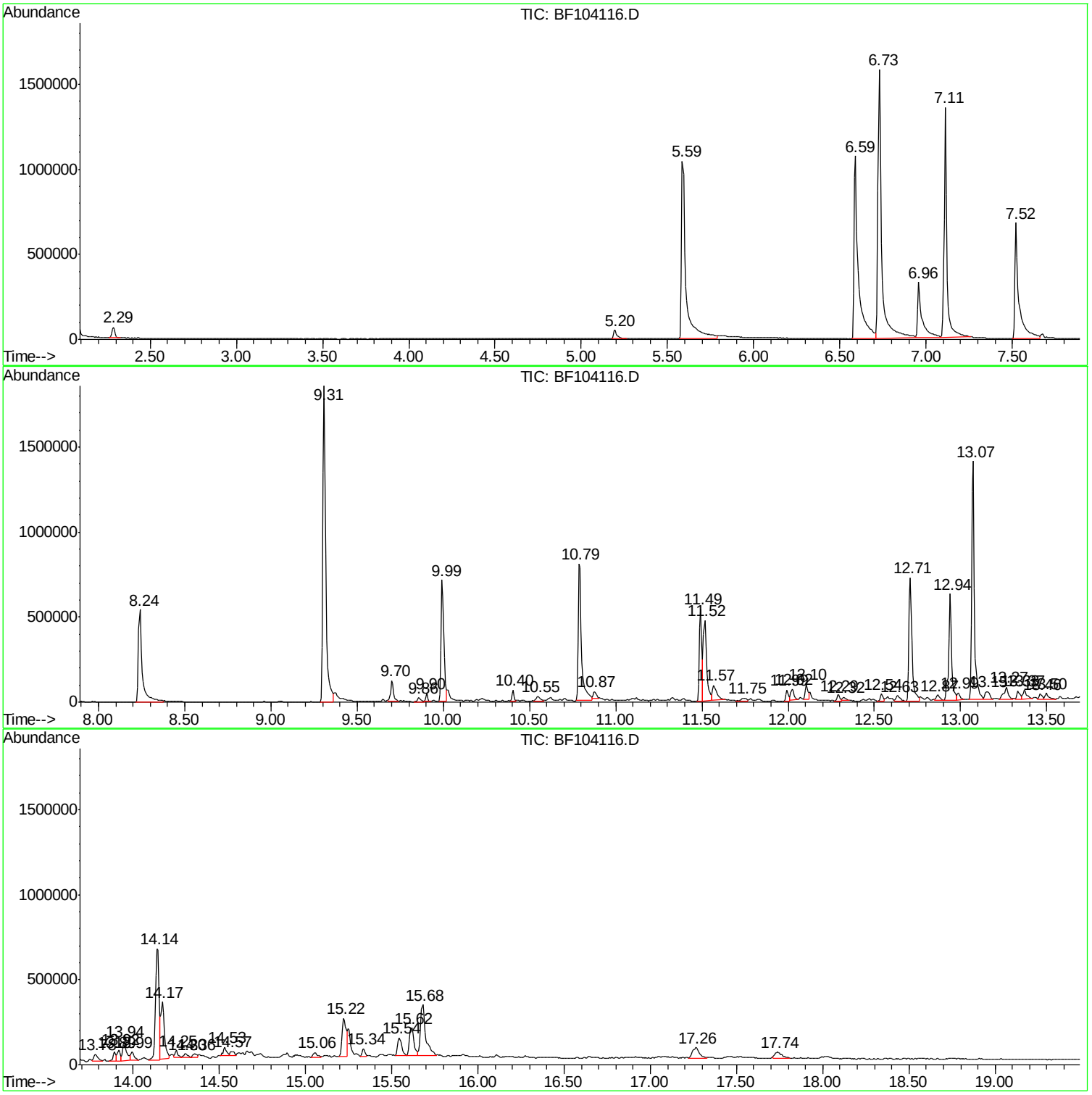
Instrument :
BNA_F
ClientSampleId :
GB-RT-3025

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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Operator : JU/SJ
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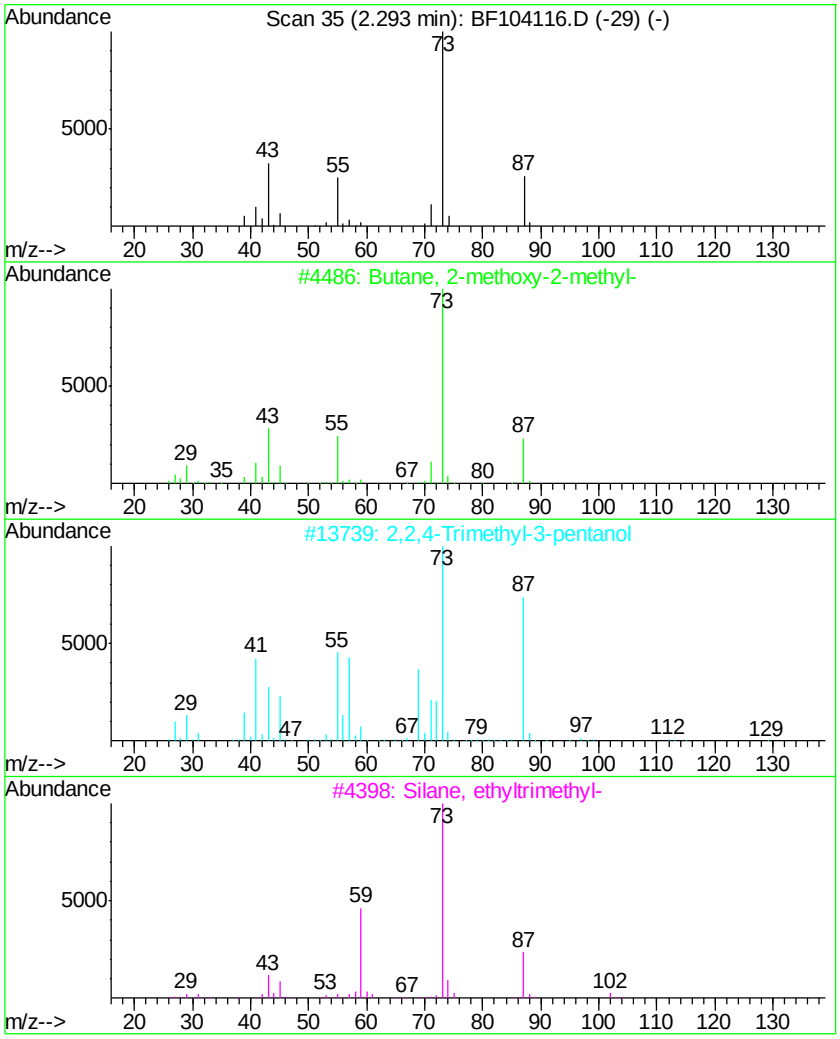
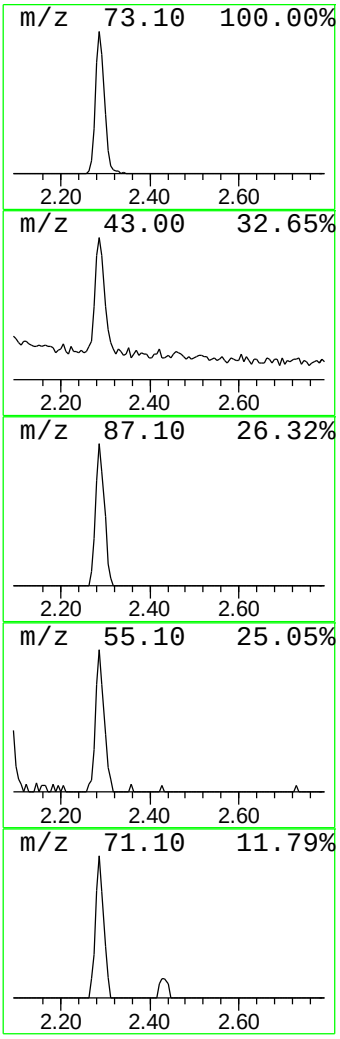
****

Peak Number 1 Butane, 2-methoxy-2-methyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.29	2.79 ng	80644	1,4-Dichlorobenzene-d4	6.96

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butane, 2-methoxy-2-methyl-	102	C6H14O	000994-05-8	90
2	2,2,4-Trimethyl-3-pentanol	130	C8H18O	005162-48-1	40
3	Silane, ethyltrimethyl-	102	C5H14Si	003439-38-1	36
4	Silane, tetramethyl-	88	C4H12Si	000075-76-3	32
5	Pentane, 3-methoxy-	102	C6H14O	036839-67-5	12





Library Search Compound Report

Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA F\DATA\BF033018\
Data File : BF104116.D
Acq On : 31 Mar 2018 1:44
Operator : JU/SJ
Sample : J2142-05
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : GB-RT-3025

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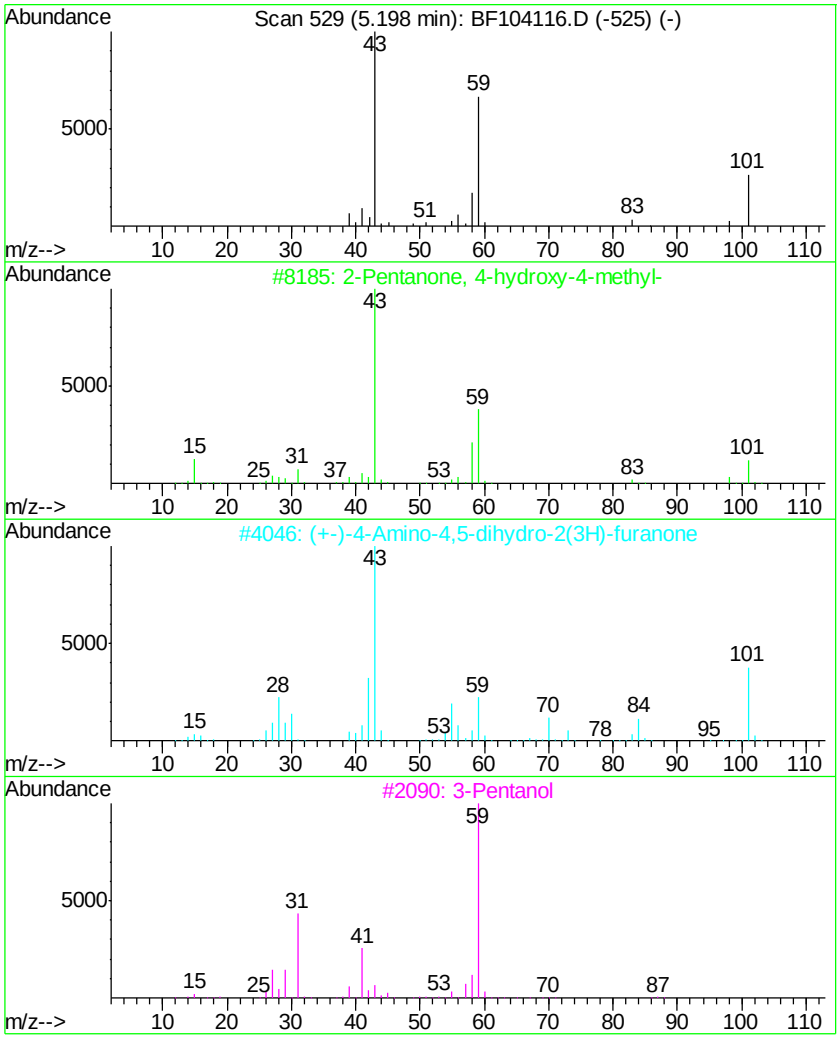
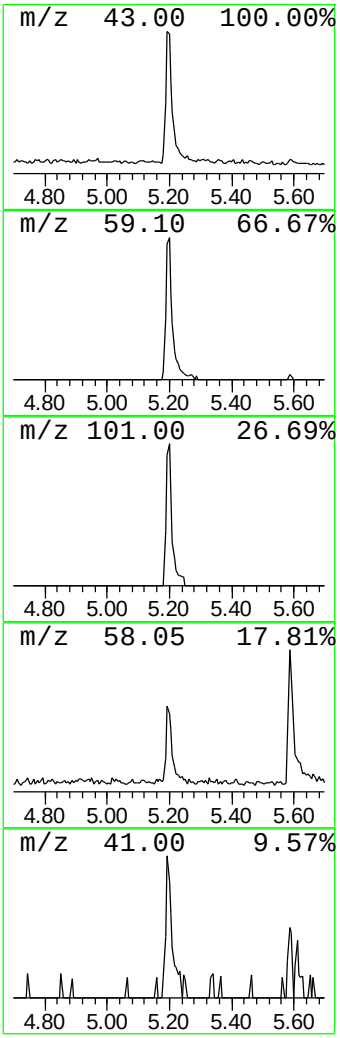
Peak Number 2 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.20	2.49 ng	71969	1,4-Dichlorobenzene-d4	6.96

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	56
2	(+-)-4-Amino-4,5-dihydro-2(3H)-f...	101	C4H7NO2	016504-58-8	28
3	3-Pentanol	88	C5H12O	000584-02-1	25
4	2,3-Butanedione, monooxime	101	C4H7NO2	000057-71-6	25
5	Propane, 2-methyl-2-(1-methyleth...	116	C7H16O	017348-59-3	25





Library Search Compound Report

Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA F\DATA\BF033018\
Data File : BF104116.D
Acq On : 31 Mar 2018 1:44
Operator : JU/SJ
Sample : J2142-05
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : GB-RT-3025

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF032818.M
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TIC Library : C:\DATABASE\NIST11.L
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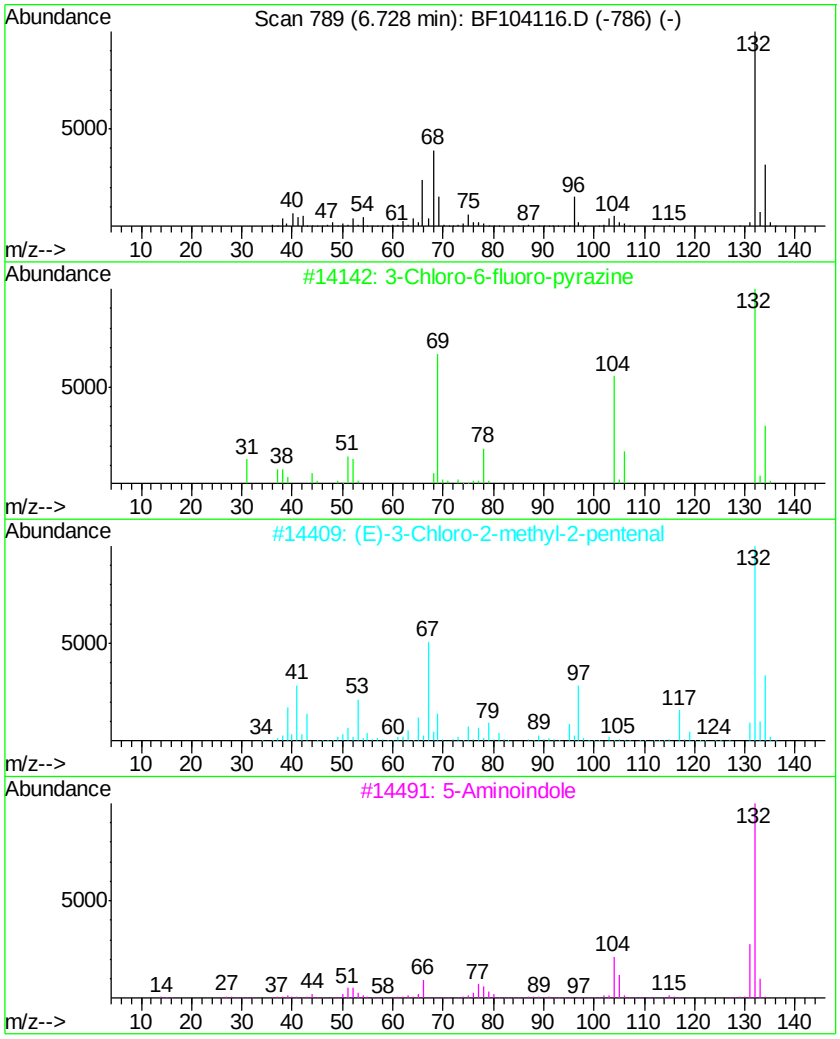
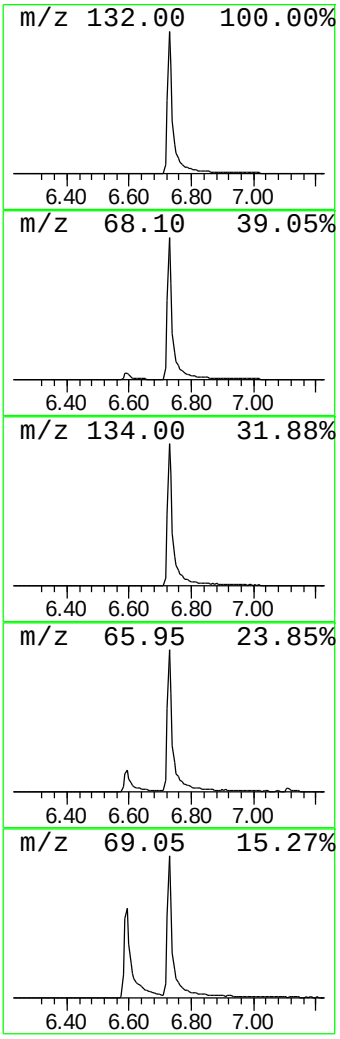
Peak Number 3 unknown6.73 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.73	76.81 ng	2217120	1,4-Dichlorobenzene-d4	6.96

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	27
2	(E)-3-Chloro-2-methyl-2-pentenal	132	C6H9ClO	031357-76-3	17
3	5-Aminoindole	132	C8H8N2	005192-03-0	12
4	Tranylcypromine-propionyl	189	C12H15NO	1000123-86-3	10
5	5-Fluoro-2-chloropyrimidine	132	C4H2ClFN2	062802-42-0	9





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Operator : JU/SJ
Sample : J2142-05
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : GB-RT-3025

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

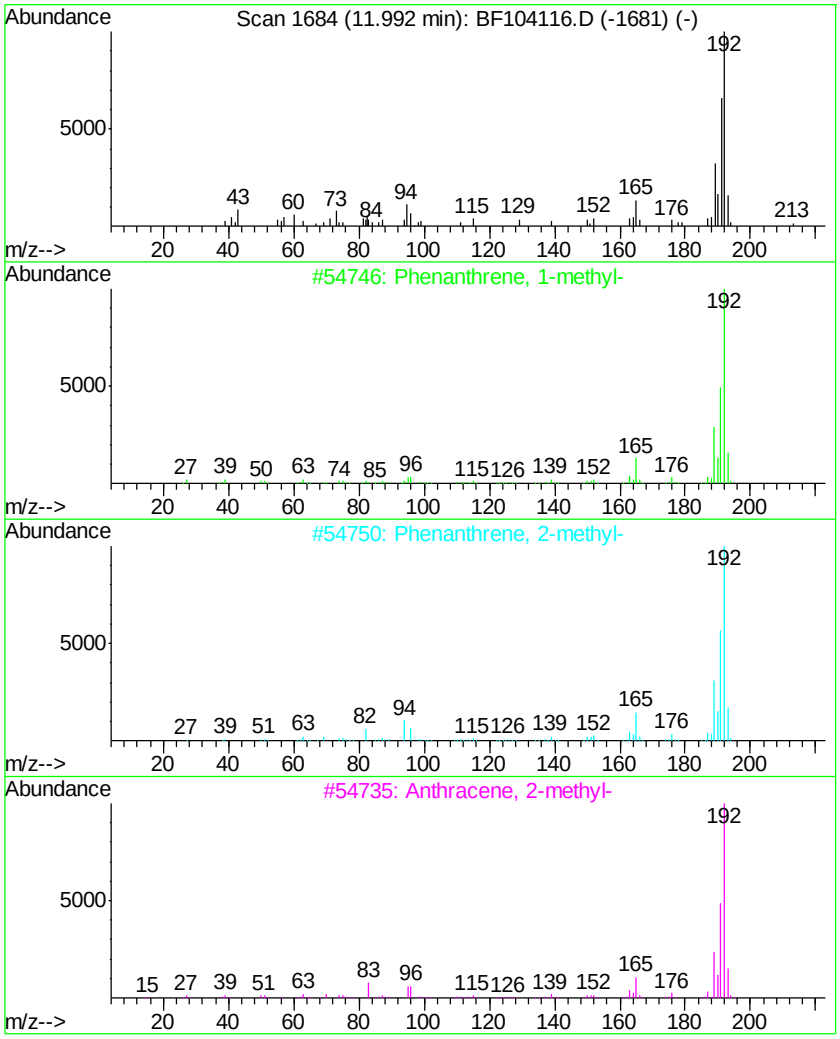
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

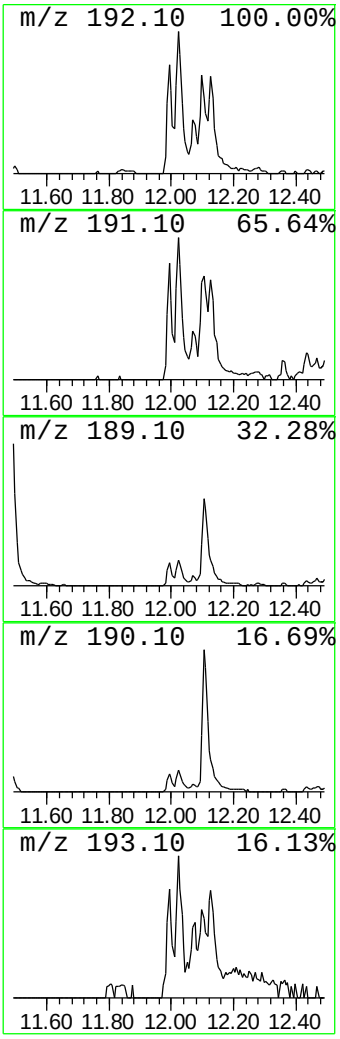
****

Peak Number 5 Phenanthrene, 1-methyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.99	2.56 ng	76065	Phenanthrene-d10	11.49

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	97
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	95
4	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	94
5	5H-Dibenzo[a,d]cycloheptene	192	C15H12	000256-81-5	93





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Operator : JU/SJ
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Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : GB-RT-3025

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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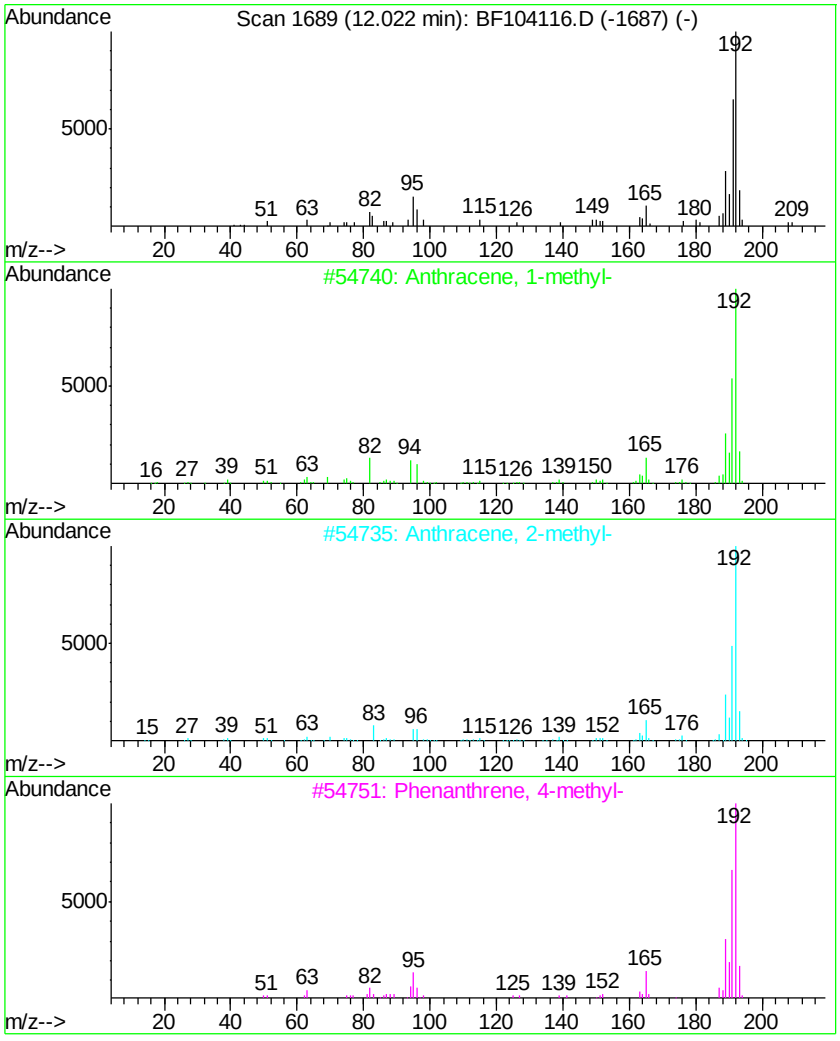
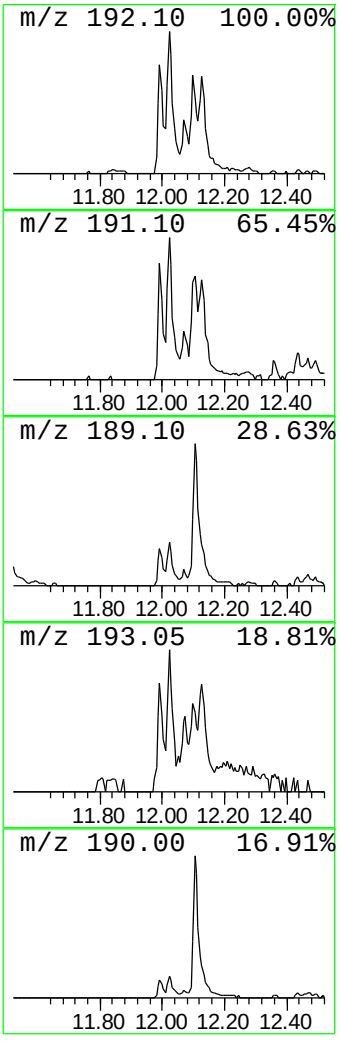
Peak Number 6 Anthracene, 1-methyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.02	2.52 ng	74774	Phenanthrene-d10	11.49

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 1-methyl-	192	C15H12	000610-48-0	93
2	Anthracene, 2-methyl-	192	C15H12	000613-12-7	90
3	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	89
4	Anthracene, 9-methyl-	192	C15H12	000779-02-2	87
5	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	81





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Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : GB-RT-3025

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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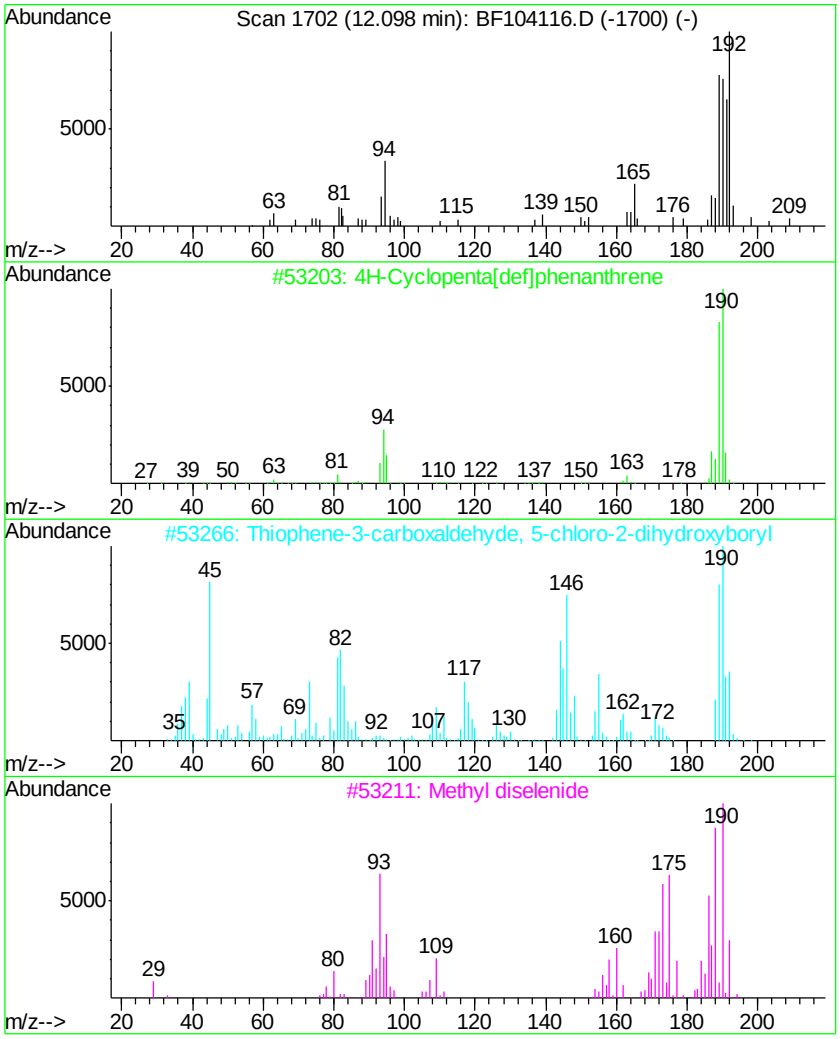
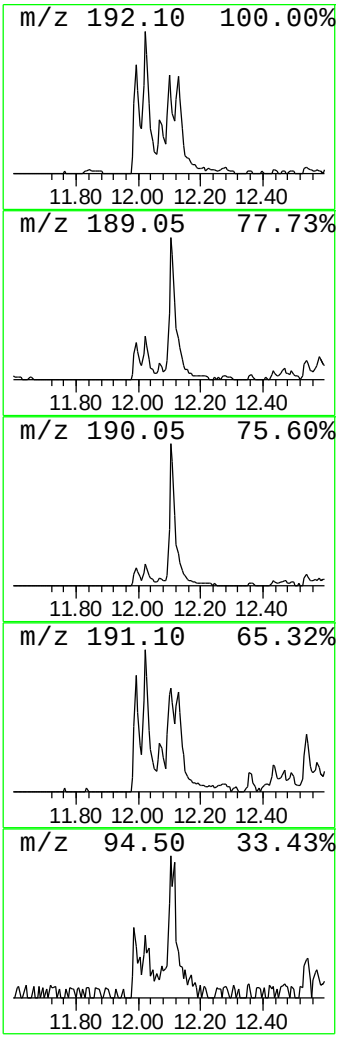
Peak Number 7 4H-Cyclopenta[def]phenanthrene Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.10	3.54 ng	105281	Phenanthrene-d10	11.49

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	81
2	Thiophene-3-carboxaldehyde, 5-ch...	190	C5H4BClO3S	036155-87-0	49
3	Methyl diselenide	190	C2H6Se2	007101-31-7	43
4	2,2'-Bis(4,5-dimethylimidazole)	190	C10H14N4	069286-06-2	38
5	1,4-Naphthalenedione, 2,5-dihydr...	190	C10H6O4	004923-55-1	17





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Data File : BF104116.D
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Operator : JU/SJ
Sample : J2142-05
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : GB-RT-3025

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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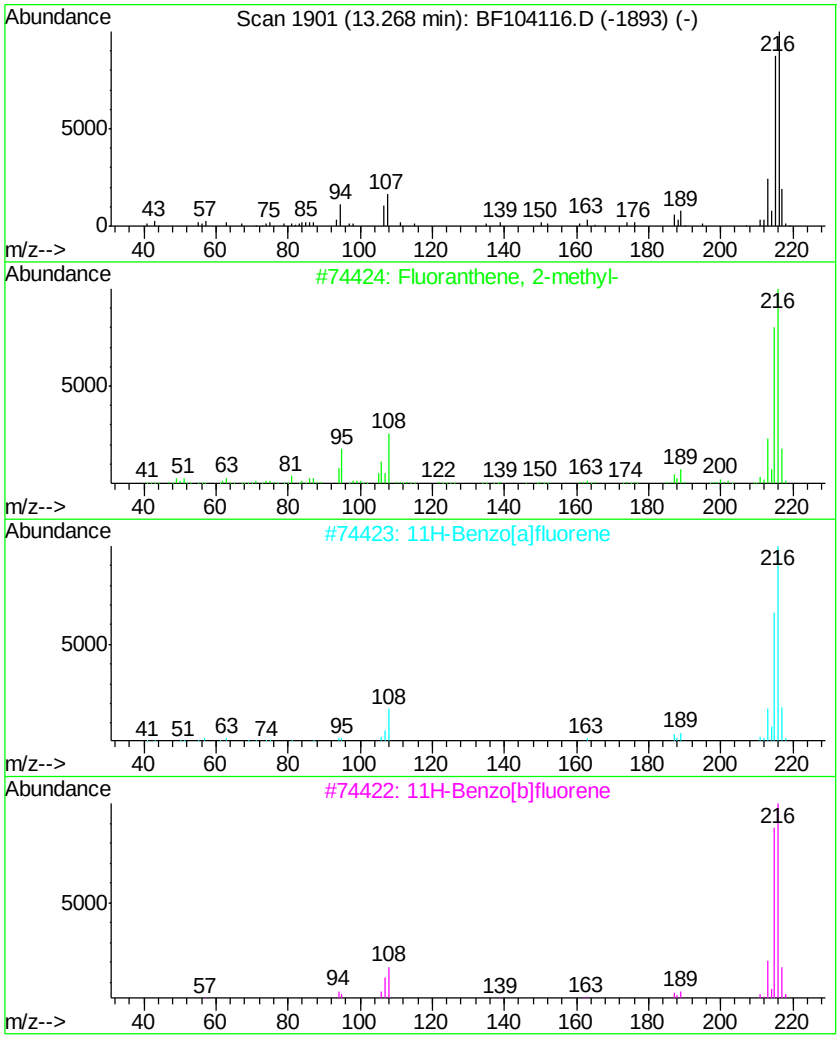
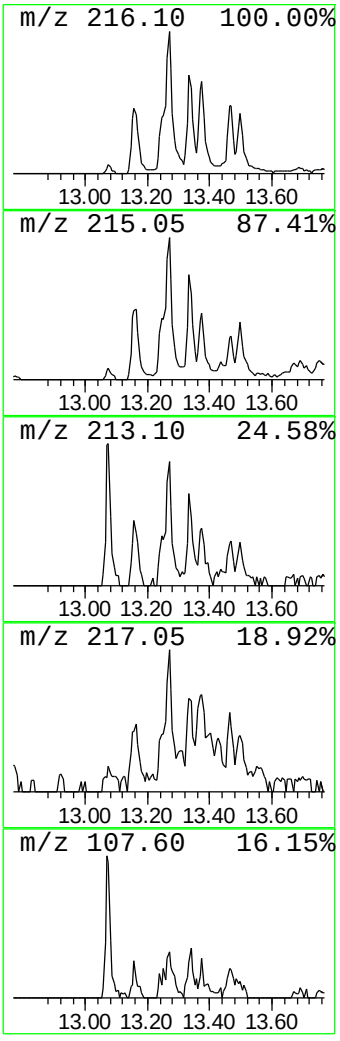
Peak Number 8 Fluoranthene, 2-methyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.27	2.61 ng	132652	Chrysene-d12	14.14

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	94
2	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	93
3	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	91
4	Pyrene, 1-methyl-	216	C17H12	002381-21-7	90
5	7H-Benzo[c]fluorene	216	C17H12	000205-12-9	81





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Misc :
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Instrument : BNA_F
ClientSampleId : GB-RT-3025

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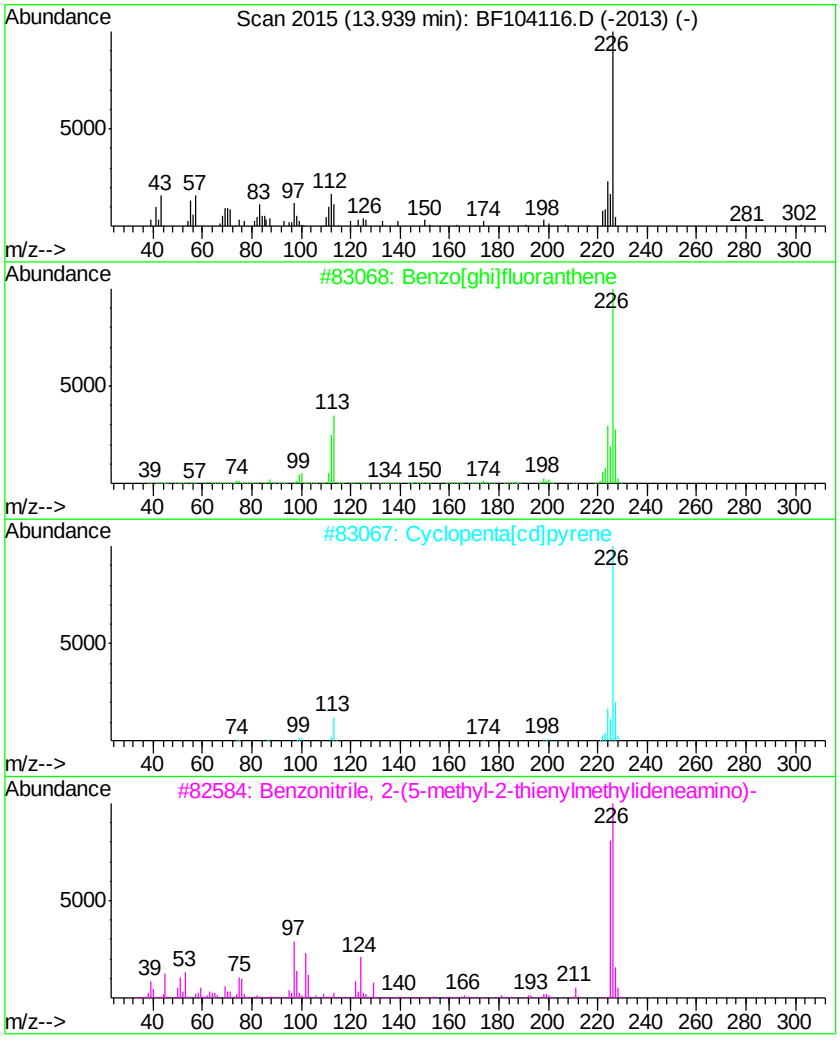
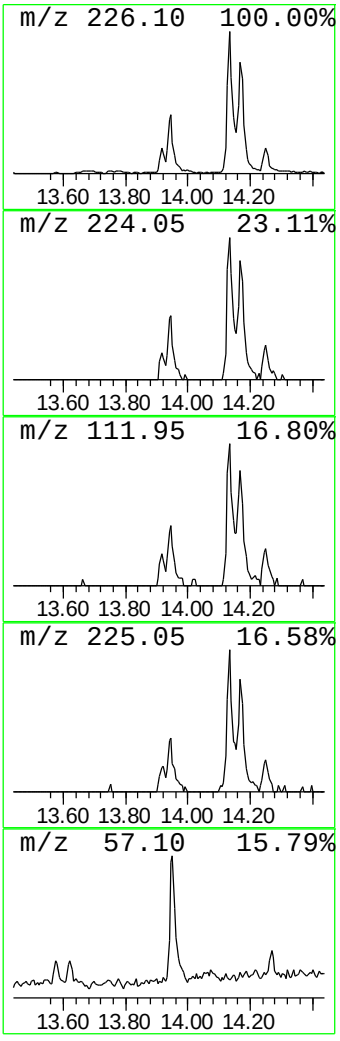
Peak Number 9 unknown13.94 Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.94	3.71 ng	188631	Chrysene-d12	14.14

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[ghi]fluoranthene	226	C18H10	000203-12-3	46
2	Cyclopenta[cd]pyrene	226	C18H10	027208-37-3	38
3	Benzonitrile, 2-(5-methyl-2-thie...	226	C13H10N2S	315670-19-0	32
4	Benzene, [4-(3-ethynylphenyl)-1,...	226	C18H10	1000115-87-3	25
5	.beta.-Carboline, 7-methoxy-1,2-...	226	C14H14N2O	006519-18-2	23





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Acq On : 31 Mar 2018 1:44
Operator : JU/SJ
Sample : J2142-05
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : GB-RT-3025

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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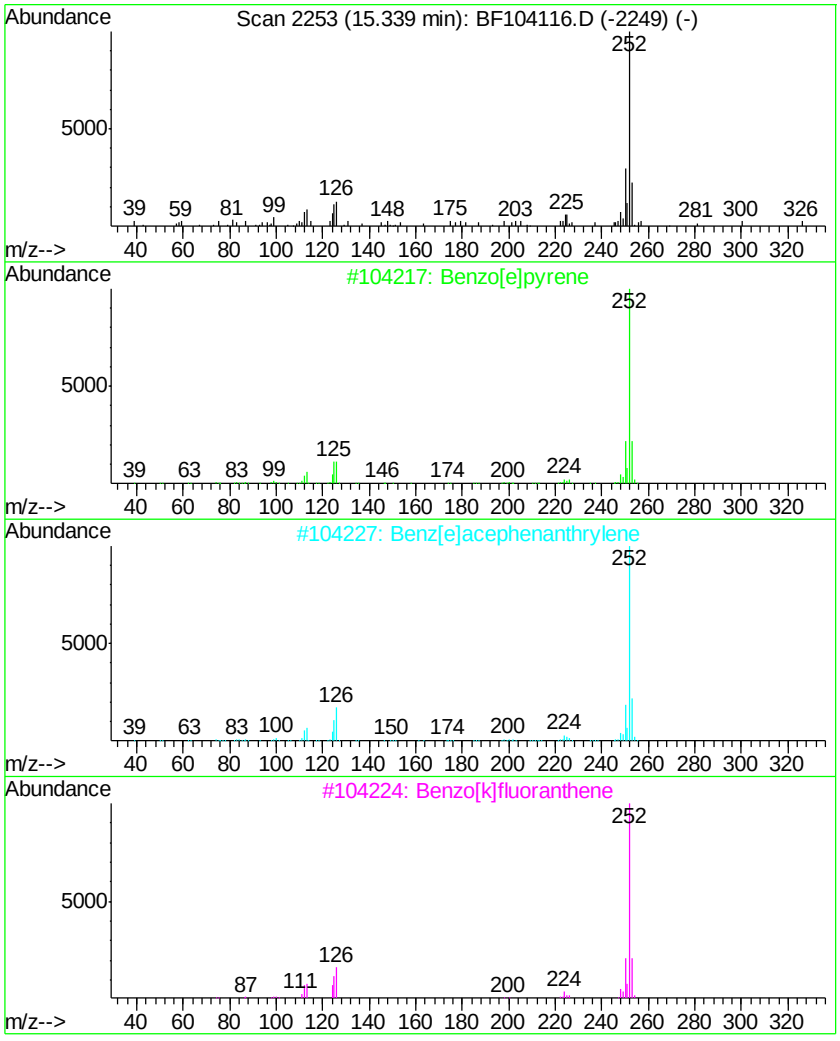
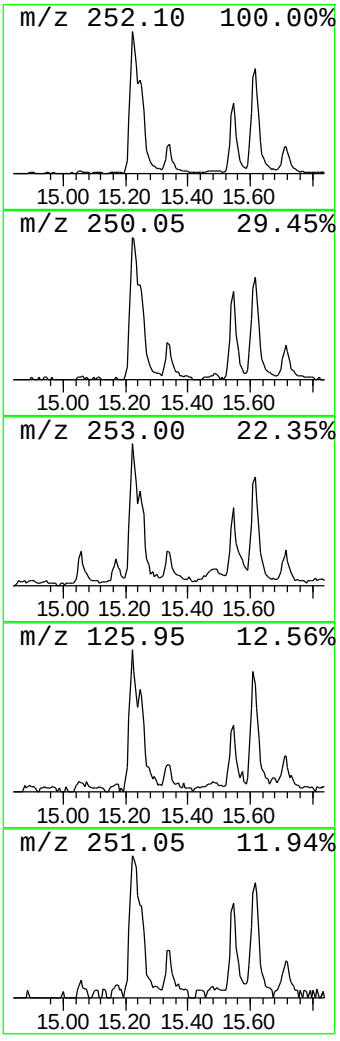
Peak Number 10 Benzo[e]pyrene Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.34	2.05 ng	58792	Perylene-d12	15.68

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	91
2	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	90
3	Benzo[k]fluoranthene	252	C20H12	000207-08-9	90
4	Perylene	252	C20H12	000198-55-0	81
5	Benzo[j]fluoranthene	252	C20H12	000205-82-3	74





Library Search Compound Report

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Data File : BF104116.D
Acq On : 31 Mar 2018 1:44
Operator : JU/SJ
Sample : J2142-05
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : GB-RT-3025

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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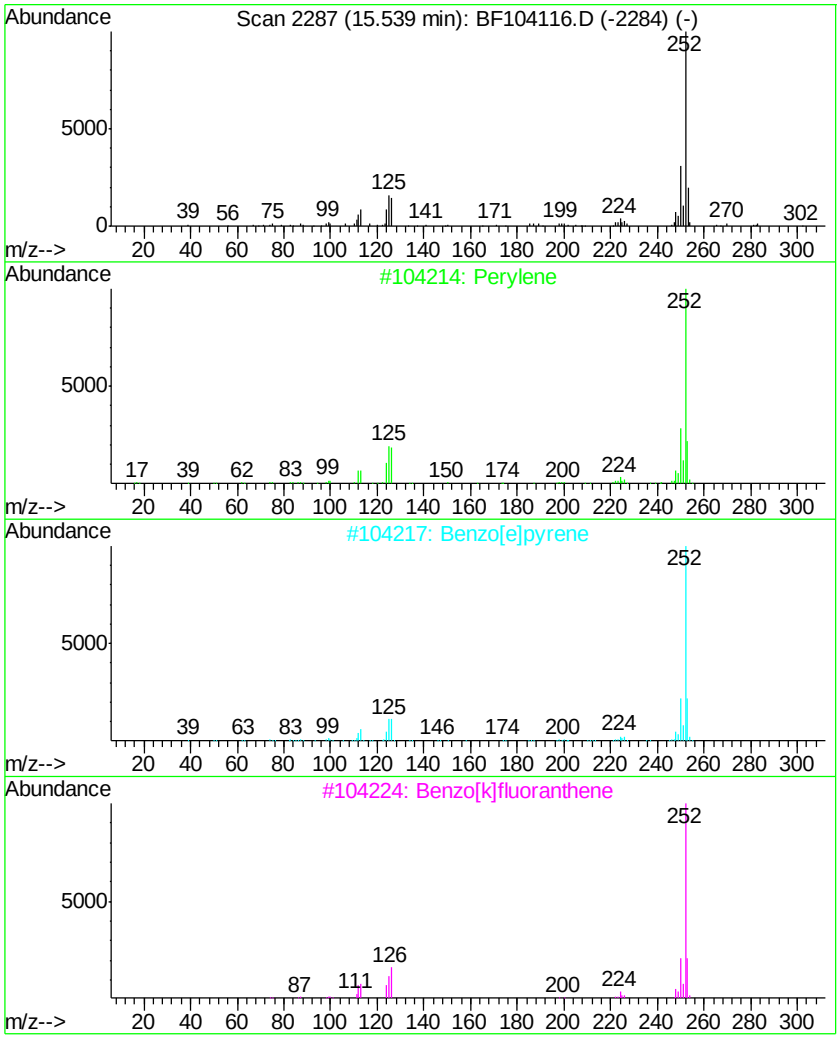
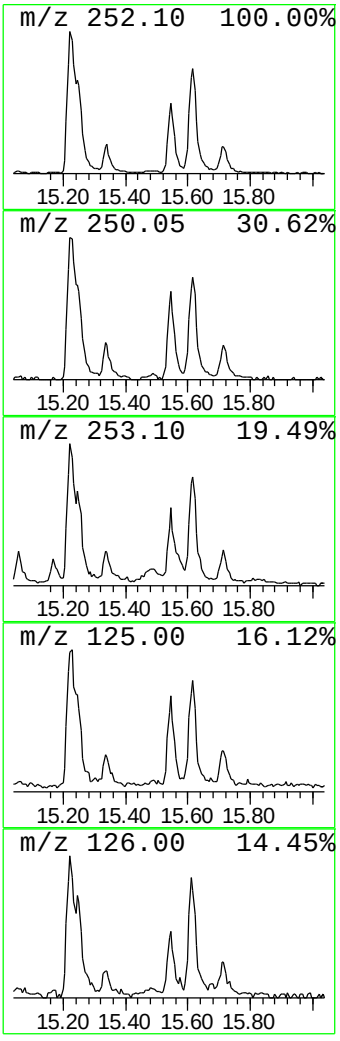
Peak Number 11 Perylene Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.54	5.56 ng	159182	Perylene-d12	15.68

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Perylene	252	C20H12	000198-55-0	98
2	Benzo[e]pyrene	252	C20H12	000192-97-2	98
3	Benzo[k]fluoranthene	252	C20H12	000207-08-9	98
4	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	93
5	Benzo[j]fluoranthene	252	C20H12	000205-82-3	91





Tentatively Identified Compound (LSC) summary

Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA_F\DATA\BF033018\
Data File : BF104116.D
Acq On : 31 Mar 2018 1:44
Operator : JU/SJ
Sample : J2142-05
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : GB-RT-3025

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...	2.29	2.8	ng	80644	1	6.96	577292	20.0
2-Pentanone, 4-hy...	5.20	2.5	ng	71969	1	6.96	577292	20.0
unknown6.73	6.73	76.8	ng	2217120	1	6.96	577292	20.0
Phenanthrene, 1-m...	11.99	2.6	ng	76065	4	11.49	594254	20.0
Anthracene, 1-met...	12.02	2.5	ng	74774	4	11.49	594254	20.0
4H-Cyclopenta[def...	12.10	3.5	ng	105281	4	11.49	594254	20.0
Fluoranthene, 2-m...	13.27	2.6	ng	132652	5	14.14	1017050	20.0
unknown13.94	13.94	3.7	ng	188631	5	14.14	1017050	20.0
Benzo[e]pyrene	15.34	2.0	ng	58792	6	15.68	573059	20.0
Perylene	15.54	5.6	ng	159182	6	15.68	573059	20.0