LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF101618\
Data File : BF109910.D
Acq On : 16 Oct 2018 17:27
Operator : JU/SJ
Sample : J5516-06
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SSSI-1011-S-DH-30

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:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF101518.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	2.328	35	41	53	rVB	692849	913199	13.33%	0.785%
2	5.216	528	532	540	rVB	194862	212374	3.10%	0.183%
3	5.598	592	597	600	rBV	4269111	4122416	60.19%	3.543%
4	6.598	761	767	770	rBV	4010747	4111432	60.03%	3.533%
5	6.745	788	792	796	rBV	4312482	4161570	60.76%	3.576%
6	6.981	828	832	835	rBV	1752608	1337533	19.53%	1.149%
7	7.139	855	859	862	rBV	3763777	3334233	48.68%	2.865%
8	7.539	923	927	930	rBV	2895812	2511642	36.67%	2.159%
9	8.263	1046	1050	1052	rBV	1961919	1604045	23.42%	1.379%
10	8.286	1052	1054	1057	rVB	313315	240167	3.51%	0.206%
11	8.975	1167	1171	1175	rBV	3434775	3116872	45.51%	2.679%
12	9.075	1183	1188	1191	rVB	2135458	1795865	26.22%	1.543%
13	9.333	1228	1232	1236	rVB	4448302	4075851	59.51%	3.503%
14	9.439	1246	1250	1253	rVB	1233352	1028329	15.01%	0.884%
15	9.533	1264	1266	1272	rVB	499191	458192	6.69%	0.394%
16	9.598	1272	1277	1282	rBV	852662	1204972	17.59%	1.036%
17	9.674	1286	1290	1293	rBV	1126807	1156209	16.88%	0.994%
18	9.704	1293	1295	1297	rVV	741337	513396	7.50%	0.441%
19	9.727	1297	1299	1304	rVB	467208	365010	5.33%	0.314%
20	9.792	1307	1310	1312	rBV	451789	396174	5.78%	0.340%
21	9.880	1322	1325	1329	rVB	469233	389773	5.69%	0.335%
22	9.998	1338	1345	1347	rBV	633267	598327	8.74%	0.514%
23	10.022	1347	1349	1352	rVV2	1631963	1453034	21.21%	1.249%
24	10.057	1352	1355	1358	rVV	4406331	3664160	53.50%	3.149%
25	10.121	1363	1366	1370	rVV	147152	198569	2.90%	0.171%
26	10.180	1370	1376	1380	rVV2	214604	310887	4.54%	0.267%
27	10.227	1380	1384	1387	rVV	2990370	2645495	38.62%	2.274%
28	10.257	1387	1389	1394	rVV	243230	224545	3.28%	0.193%
29	10.333	1398	1402	1405	rBV	196615	199027	2.91%	0.171%
30	10.439	1413	1420	1423	rBV4	222602	364149	5.32%	0.313%
31	10.574	1438	1443	1446	rVB	3384484	3147664	45.96%	2.705%
32	10.657	1455	1457	1459	rVV	490200	408267	5.96%	0.351%
33	10.727	1466	1469	1472	rVB	639404	545628	7.97%	0.469%
34	10.810	1479	1483	1487	rBV	2663073	2427064	35.43%	2.086%

LSC Area Percent Report

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Acq On : 16 Oct 2018 17:27
Operator : JU/SJ
Sample : J5516-06
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SSSI-1011-S-DH-30

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:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF101518.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	10.927	1497	1503	1510	rVB4	318825	541176	7.90%	0.465%
36	11.116	1528	1535	1538	rBV2	400563	513586	7.50%	0.441%
37	11.245	1552	1557	1559	rBV2	147846	204708	2.99%	0.176%
38	11.316	1566	1569	1573	rVV2	226665	225833	3.30%	0.194%
39	11.363	1573	1577	1580	rVV2	252805	288899	4.22%	0.248%
40	11.410	1583	1585	1589	rVB	735180	567833	8.29%	0.488%
41	11.516	1599	1603	1605	rBV	1370617	1500887	21.91%	1.290%
42	11.545	1605	1608	1611	rVV	7308805	6849357	100.00%	5.886%
43	11.592	1611	1616	1618	rVV	1573640	1408449	20.56%	1.210%
44	11.739	1638	1641	1644	rVV2	374828	353810	5.17%	0.304%
45	12.015	1682	1688	1690	rBV	702954	674900	9.85%	0.580%
46	12.045	1690	1693	1696	rVB	770111	682159	9.96%	0.586%
47	12.092	1696	1701	1703	rBV	358105	329238	4.81%	0.283%
48	12.133	1703	1708	1713	rVB2	1183511	1416298	20.68%	1.217%
49	12.310	1733	1738	1740	rBV	474253	389922	5.69%	0.335%
50	12.563	1778	1781	1783	rVV	163484	182248	2.66%	0.157%
51	12.651	1793	1796	1802	rBV2	226720	235845	3.44%	0.203%
52	12.733	1805	1810	1813	rBV	5156668	5024825	73.36%	4.318%
53	12.880	1827	1835	1837	rBV2	197779	365751	5.34%	0.314%
54	12.962	1842	1849	1854	rBV2	4171063	5245140	76.58%	4.508%
55	13.010	1854	1857	1861	rVB2	201148	234760	3.43%	0.202%
56	13.098	1865	1872	1874	rBV	4113563	3895250	56.87%	3.348%
57	13.115	1874	1875	1879	rVB	851884	634211	9.26%	0.545%
58	13.180	1880	1886	1889	rBV2	309883	529284	7.73%	0.455%
59	13.286	1896	1904	1907	rVB2	808009	1094715	15.98%	0.941%
60	13.315	1907	1909	1912	rBV	262380	182534	2.66%	0.157%
61	13.351	1912	1915	1918	rBV	768894	687646	10.04%	0.591%
62	13.392	1918	1922	1924	rVB3	368892	444685	6.49%	0.382%
63	13.486	1935	1938	1940	rBV	319436	280801	4.10%	0.241%
64	13.515	1940	1943	1946	rVB2	199950	192676	2.81%	0.166%
65	13.568	1948	1952	1955	rBV2	421923	497752	7.27%	0.428%
66	13.762	1982	1985	1988	rBV2	176502	207470	3.03%	0.178%
67	13.792	1988	1990	1995	rVB2	185097	249388	3.64%	0.214%
68	13.909	2005	2010	2012	rBV2	306554	366346	5.35%	0.315%
69	13.933	2012	2014	2016	rBV	386052	289795	4.23%	0.249%
70	13.962	2016	2019	2020	rBV	436664	421936	6.16%	0.363%
71	14.157	2044	2052	2055	rBV3	2657237	4505759	65.78%	3.872%

LSC Area Percent Report

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Operator : JU/SJ
Sample : J5516-06
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SSSI-1011-S-DH-30

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:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF101518.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

72	14.186	2055	2057	2062	rVB	1554594	1409256	20.58%	1.211%
73	14.268	2065	2071	2075	rBV	887408	1068219	15.60%	0.918%
74	14.374	2086	2089	2093	rBV2	356048	407563	5.95%	0.350%
75	14.545	2113	2118	2121	rVV	442626	606947	8.86%	0.522%
76	14.580	2121	2124	2126	rVV2	203647	206457	3.01%	0.177%
77	14.609	2126	2129	2131	rVV	297948	291878	4.26%	0.251%
78	14.645	2133	2135	2137	rVV	238928	214288	3.13%	0.184%
79	14.674	2137	2140	2142	rVV	381019	395897	5.78%	0.340%
80	14.698	2142	2144	2147	rVV	367637	332124	4.85%	0.285%
81	14.733	2147	2150	2158	rVB5	192188	327361	4.78%	0.281%
82	14.862	2168	2172	2175	rBV4	202747	279999	4.09%	0.241%
83	14.933	2181	2184	2190	rVB3	263495	367558	5.37%	0.316%
84	15.062	2200	2206	2214	rVB3	213633	427551	6.24%	0.367%
85	15.239	2230	2236	2239	rBV	1940202	3350628	48.92%	2.880%
86	15.286	2243	2244	2247	rVV	328854	289579	4.23%	0.249%
87	15.345	2251	2254	2258	rVB	504669	571843	8.35%	0.491%
88	15.439	2267	2270	2273	rBV6	125917	203619	2.97%	0.175%
89	15.556	2286	2290	2296	rVB	1191451	1595028	23.29%	1.371%
90	15.627	2297	2302	2308	rBV2	1453665	2290388	33.44%	1.968%
91	15.692	2308	2313	2316	rVV2	1566635	2516351	36.74%	2.163%
92	15.721	2316	2318	2324	rVB	551945	701067	10.24%	0.602%
93	15.856	2337	2341	2347	rBV	349023	473141	6.91%	0.407%
94	16.156	2388	2392	2396	rBV2	215738	296112	4.32%	0.254%
95	16.698	2481	2484	2490	rVB2	119060	188980	2.76%	0.162%
96	17.250	2572	2578	2583	rVV2	364577	711210	10.38%	0.611%
97	17.309	2583	2588	2600	rVB2	379150	853930	12.47%	0.734%
98	17.503	2617	2621	2627	rVB2	109451	198050	2.89%	0.170%
99	17.721	2652	2658	2665	rBV	261383	526287	7.68%	0.452%
100	17.868	2677	2683	2693	rVB9	126011	306721	4.48%	0.264%

Sum of corrected areas: 116359974

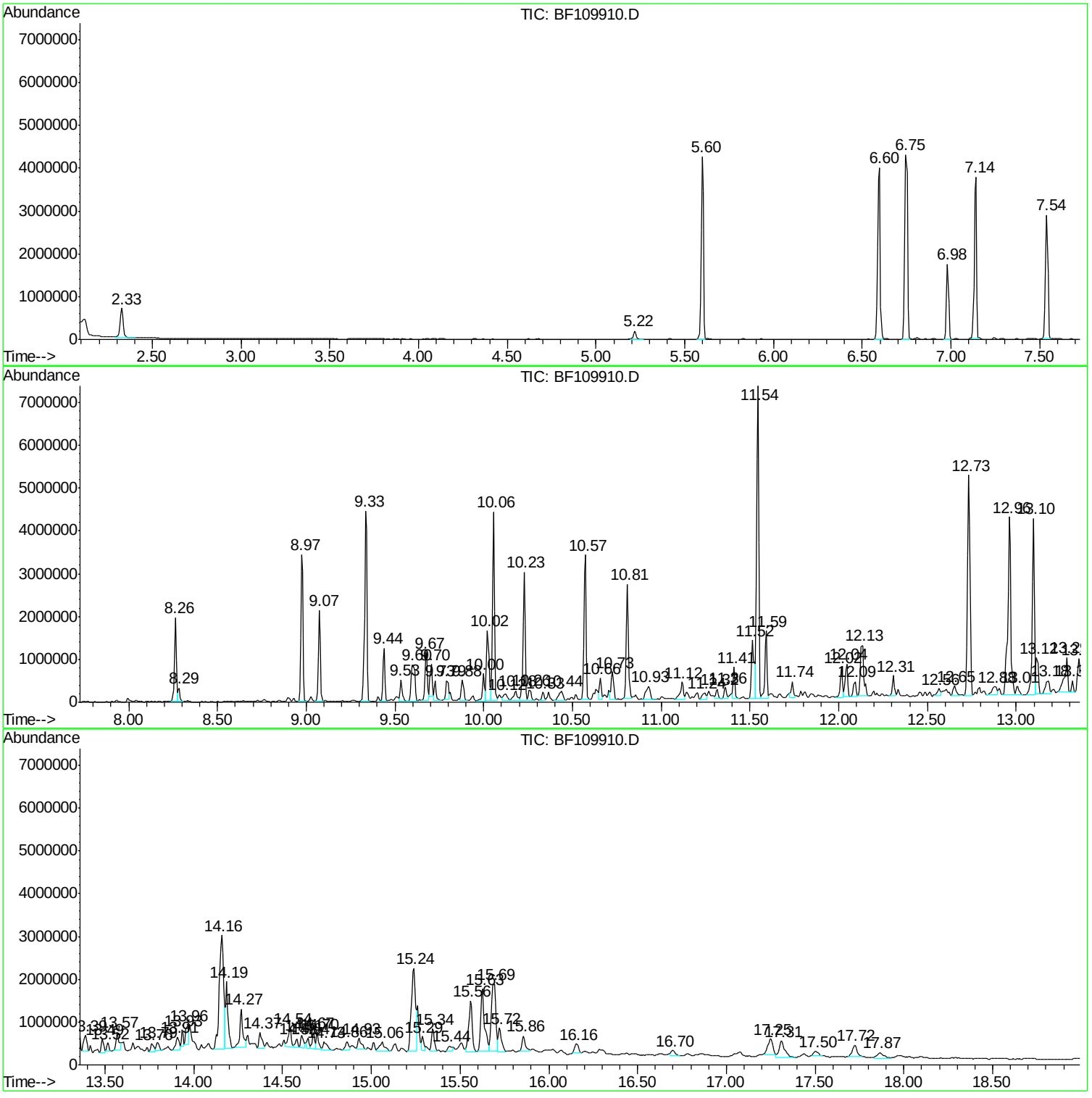
LSC Report - Integrated Chromatogram

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF101618\
Data File : BF109910.D
Acq On : 16 Oct 2018 17:27
Operator : JU/SJ
Sample : J5516-06
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SSSI-1011-S-DH-30

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF101518.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:\SVOASRV\HPCHEM1\BNA F\DATA\BF101618\
Data File : BF109910.D
Acq On : 16 Oct 2018 17:27
Operator : JU/SJ
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Misc :
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Instrument : BNA_F
ClientSampleId : SSSI-1011-S-DH-30

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF101518.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

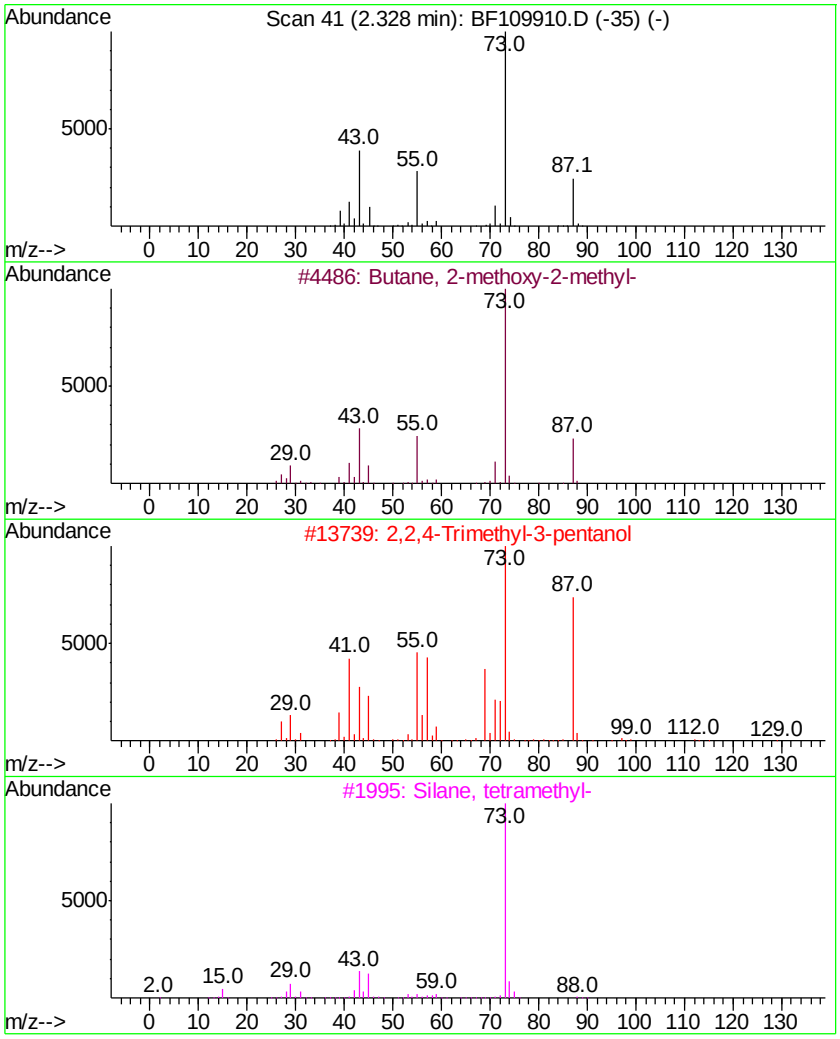
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

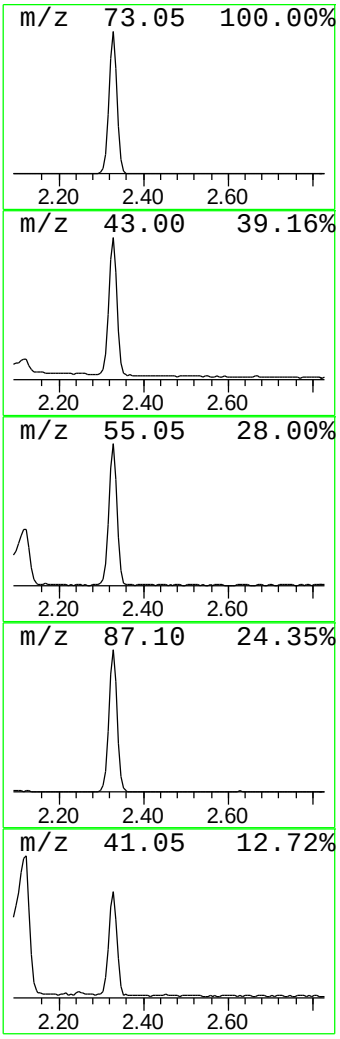
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.33	13.66 ng	913199	1,4-Dichlorobenzene-d4	6.98

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, tetramethyl-	88	C4H12Si	000075-76-3	38
4	3-Pentanol, 2,4-dimethyl-	116	C7H16O	000600-36-2	37
5	1,3-Dioxolane, 2-methyl-	88	C4H8O2	000497-26-7	23





Library Search Compound Report

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Data File : BF109910.D
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Operator : JU/SJ
Sample : J5516-06
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SSSI-1011-S-DH-30

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF101518.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

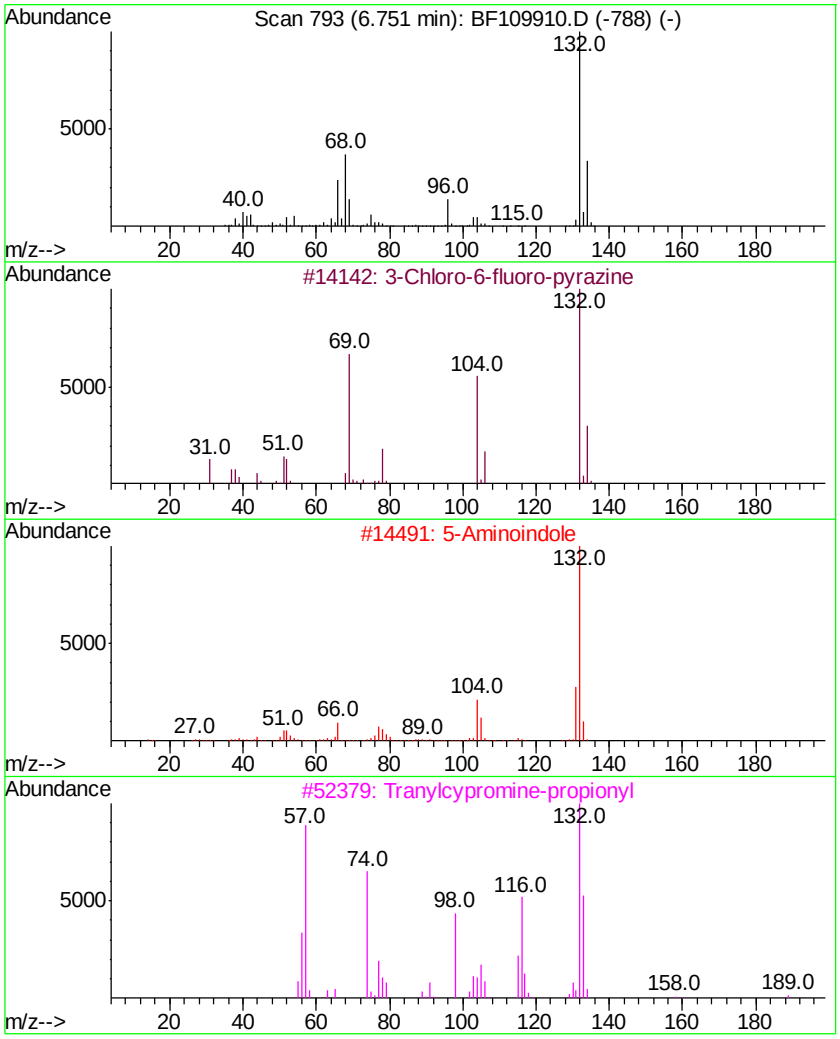
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

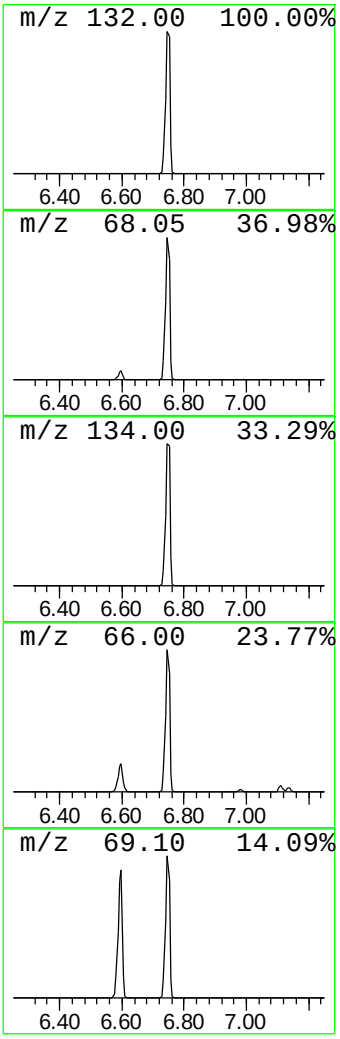
****

Peak Number 2 unknown6.75 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.75	62.23 ng	4161570	1,4-Dichlorobenzene-d4	6.98

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	27
2	5-Aminoindole	132	C8H8N2	005192-03-0	12
3	Tranylcypromine-propionyl	189	C12H15NO	1000123-86-3	10
4	Bicyclo[4.2.0]octa-1,3,5-triene,...	132	C10H12	028749-81-7	9
5	(E)-3-Chloro-2-methyl-2-pentenal	132	C6H9ClO	031357-76-3	9





Library Search Compound Report

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

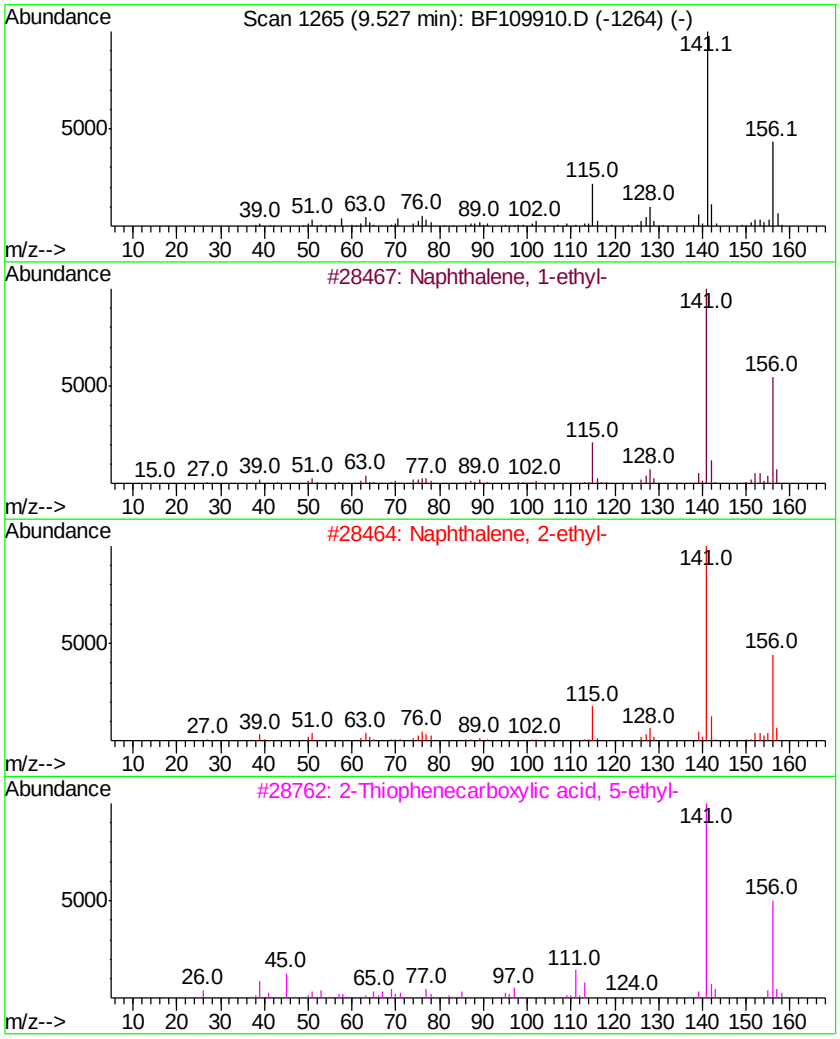
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

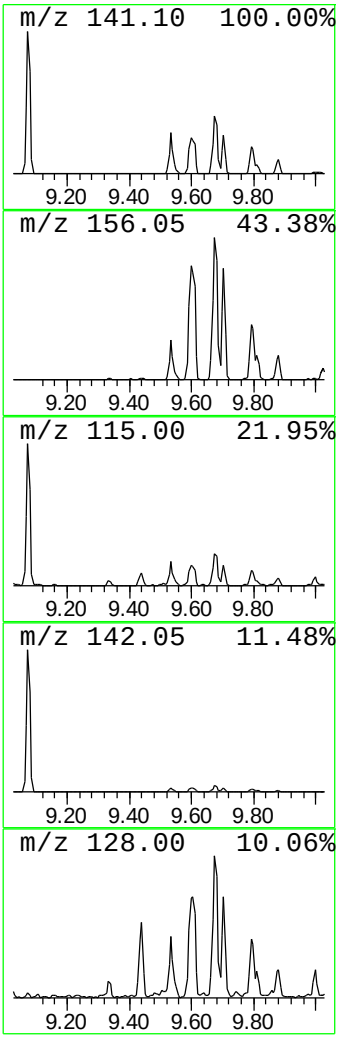
****

Peak Number 4 Naphthalene, 1-ethyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.53	6.31 ng	458192	Acenaphthene-d10	10.02

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1-ethyl-	156	C12H12	001127-76-0	96
2	Naphthalene, 2-ethyl-	156	C12H12	000939-27-5	96
3	2-Thiophenecarboxylic acid, 5-et...	156	C7H8O2S	023229-72-3	64
4	1-Ethanone, 1-[4-(1-naphthalenyl...	276	C19H16O2	1000338-30-5	47
5	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	43





Library Search Compound Report

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Instrument : BNA_F
ClientSampleId : SSSI-1011-S-DH-30

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF101518.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

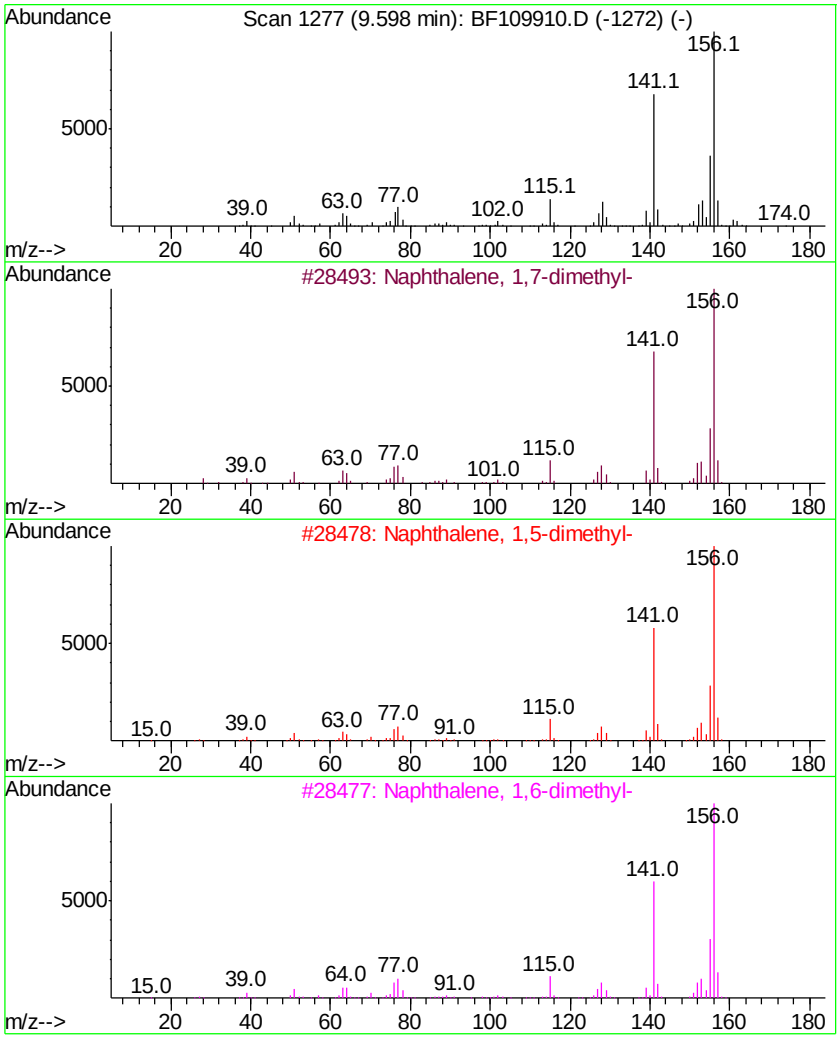
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

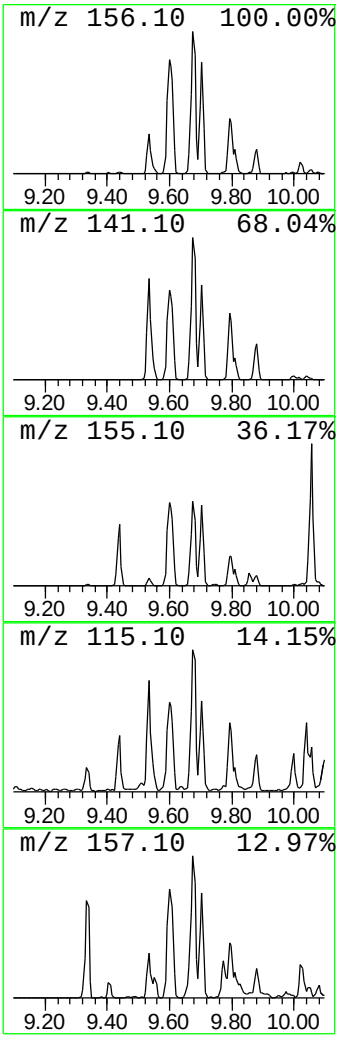
****

Peak Number 5 Naphthalene, 1,7-dimethyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.60	16.59 ng	1204970	Acenaphthene-d10	10.02

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	97
2	Naphthalene, 1,5-dimethyl-	156	C12H12	000571-61-9	97
3	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	97
4	Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	97
5	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	96





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF101618\
Data File : BF109910.D
Acq On : 16 Oct 2018 17:27
Operator : JU/SJ
Sample : J5516-06
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SSSI-1011-S-DH-30

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF101518.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

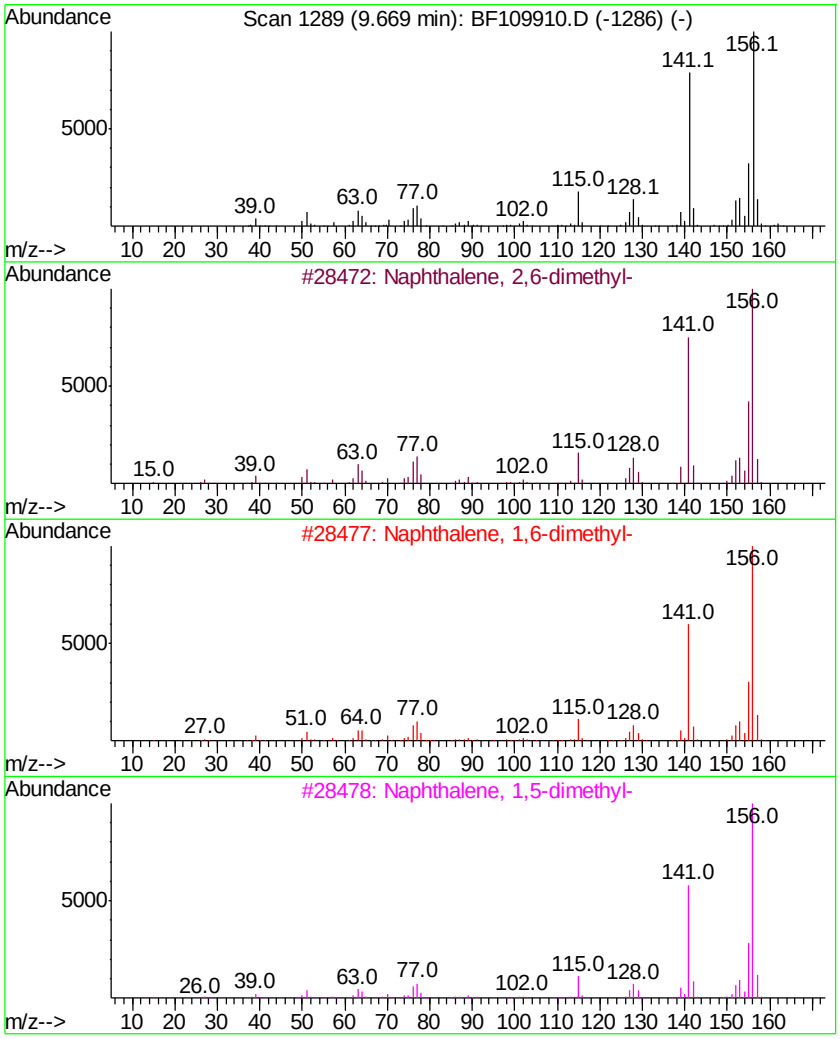
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

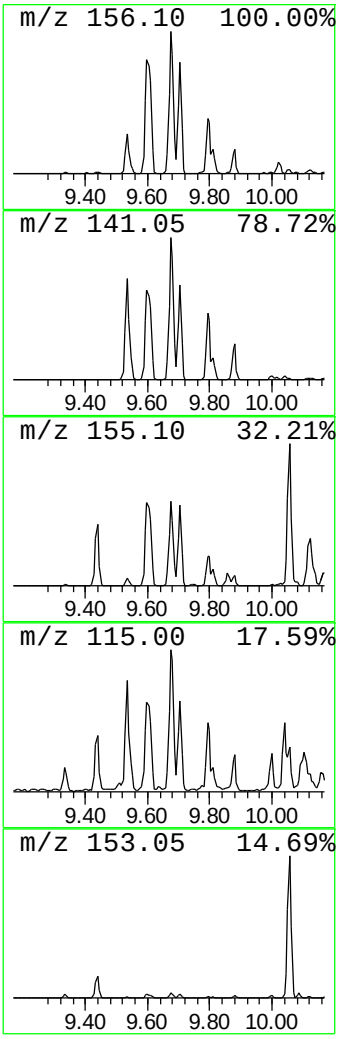
****

Peak Number 6 Naphthalene, 2,6-dimethyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.67	15.91 ng	1156210	Acenaphthene-d10	10.02

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	97
2	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	97
3	Naphthalene, 1,5-dimethyl-	156	C12H12	000571-61-9	97
4	Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	97
5	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	97





Library Search Compound Report

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Acq On : 16 Oct 2018 17:27
Operator : JU/SJ
Sample : J5516-06
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SSSI-1011-S-DH-30

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF101518.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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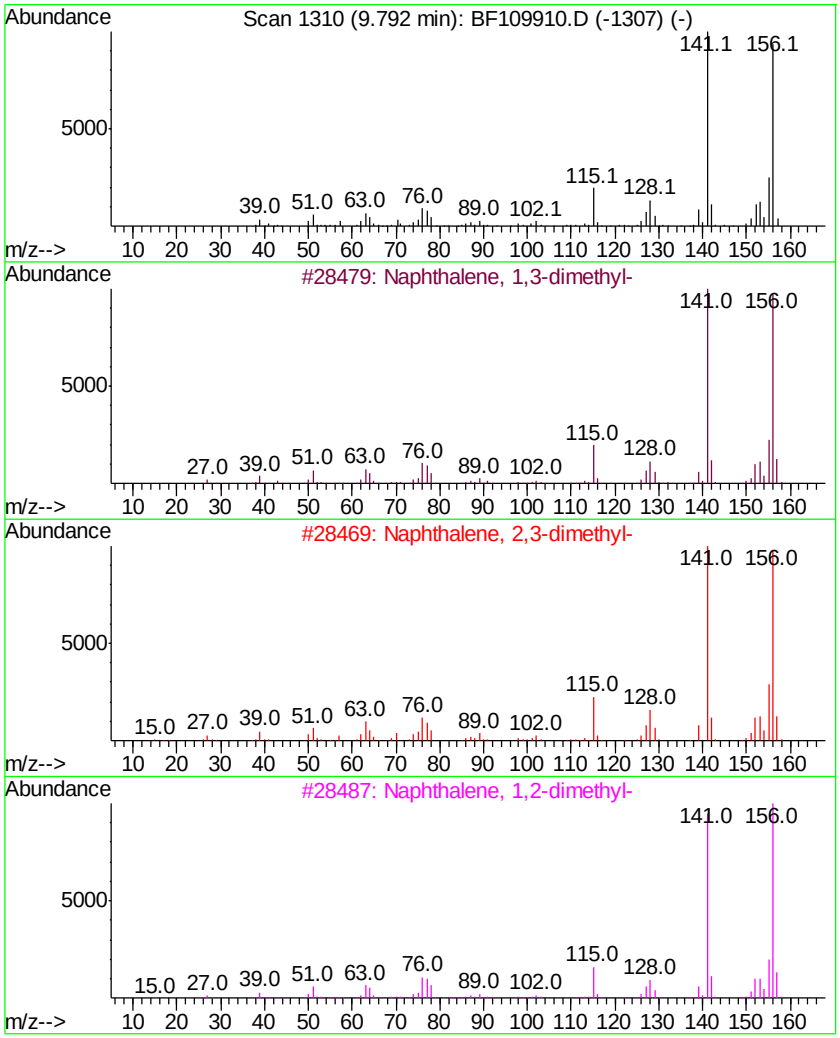
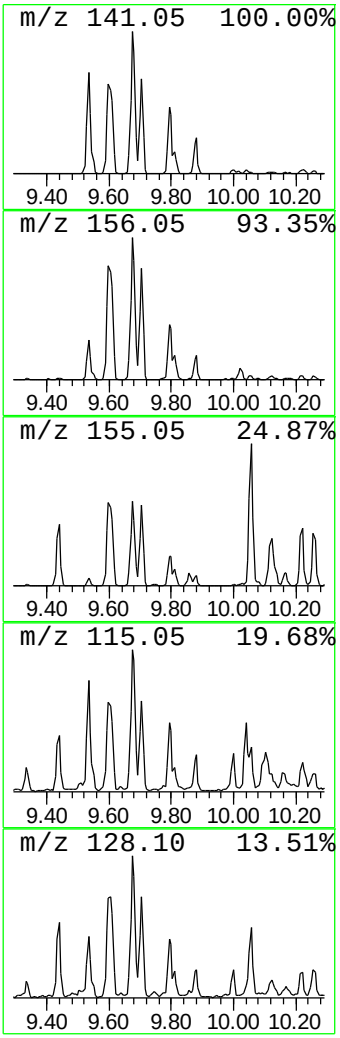
Peak Number 7 Naphthalene, 1,3-dimethyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.79	5.45 ng	396174	Acenaphthene-d10	10.02

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	95
2	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	95
3	Naphthalene, 1,2-dimethyl-	156	C12H12	000573-98-8	94
4	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	94
5	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	93





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Sample : J5516-06
Misc :
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Instrument : BNA_F
ClientSampleId : SSSI-1011-S-DH-30

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF101518.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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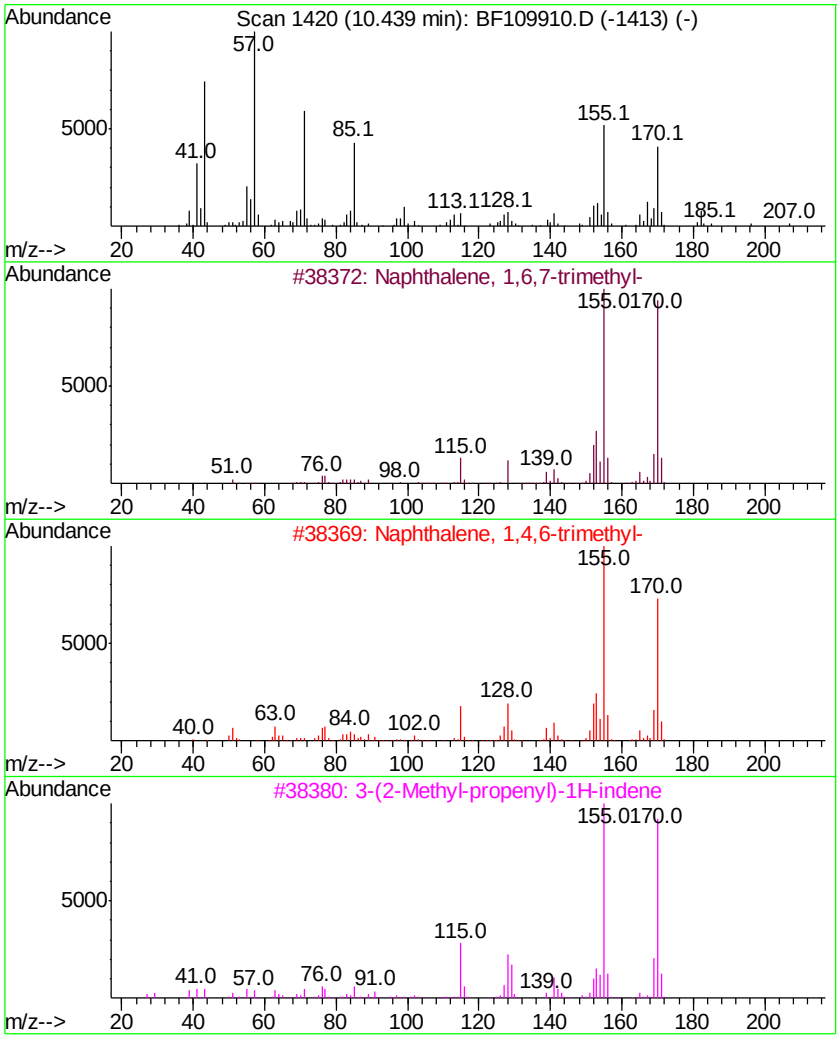
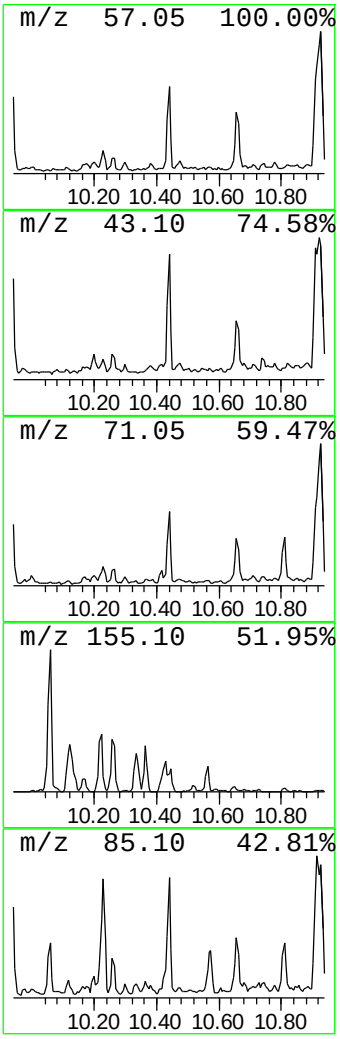
Peak Number 8 Naphthalene, 1,6,7-trimethyl- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.44	5.01 ng	364149	Acenaphthene-d10	10.02

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,6,7-trimethyl-	170	C13H14	002245-38-7	90
2	Naphthalene, 1,4,6-trimethyl-	170	C13H14	002131-42-2	87
3	3-(2-Methyl-propenyl)-1H-indene	170	C13H14	1000187-78-5	45
4	Hexadecane	226	C16H34	000544-76-3	41
5	Eicosane	282	C20H42	000112-95-8	38





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ClientSampleId : SSSI-1011-S-DH-30

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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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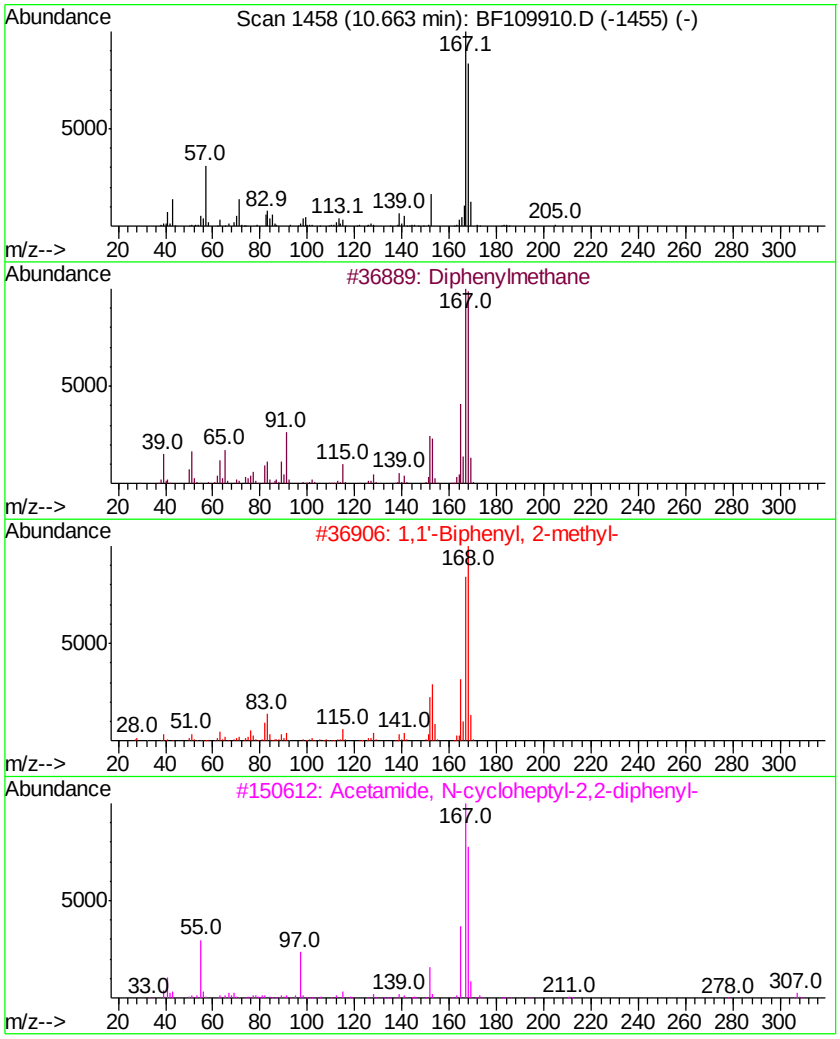
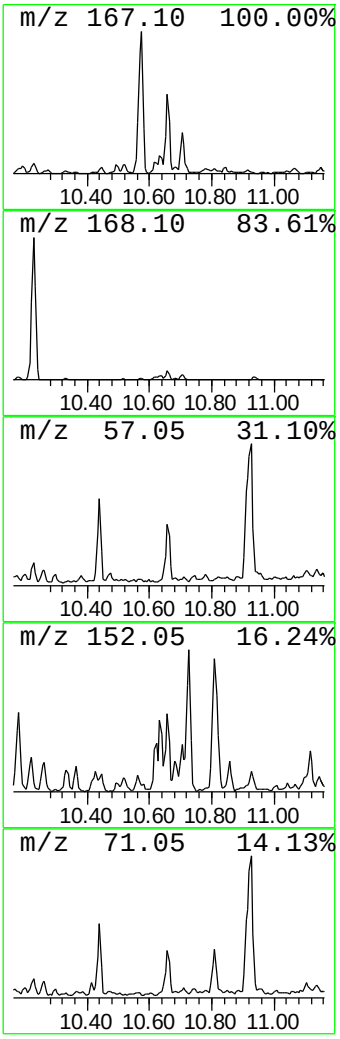
Peak Number 9 Diphenylmethane Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.66	5.62 ng	408267	Acenaphthene-d10	10.02

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Diphenylmethane	168	C13H12	000101-81-5	81
2	1,1'-Biphenyl, 2-methyl-	168	C13H12	000643-58-3	81
3	Acetamide, N-cycloheptyl-2,2-dip...	307	C21H25NO	351062-01-6	78
4	Fluorene, 2,4a-dihydro-	168	C13H12	059247-36-8	53
5	1,1'-Biphenyl, 4-methyl-	168	C13H12	000644-08-6	52





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Misc :
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Instrument : BNA_F
ClientSampleId : SSSI-1011-S-DH-30

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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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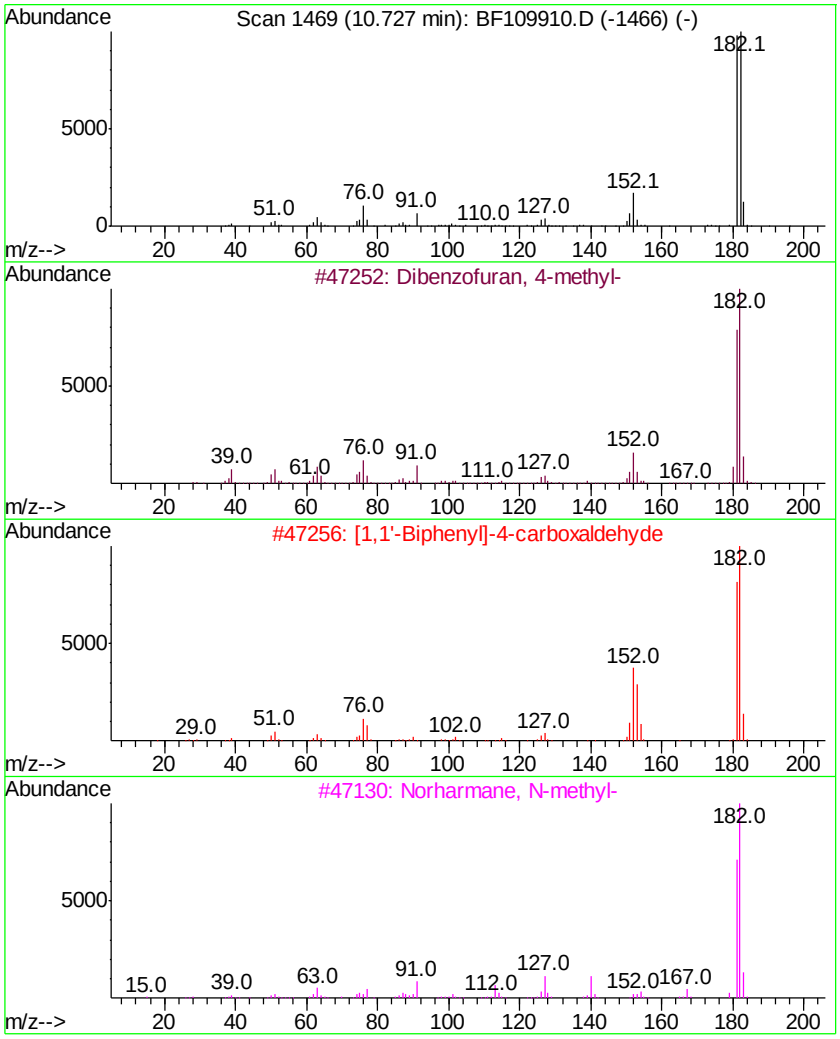
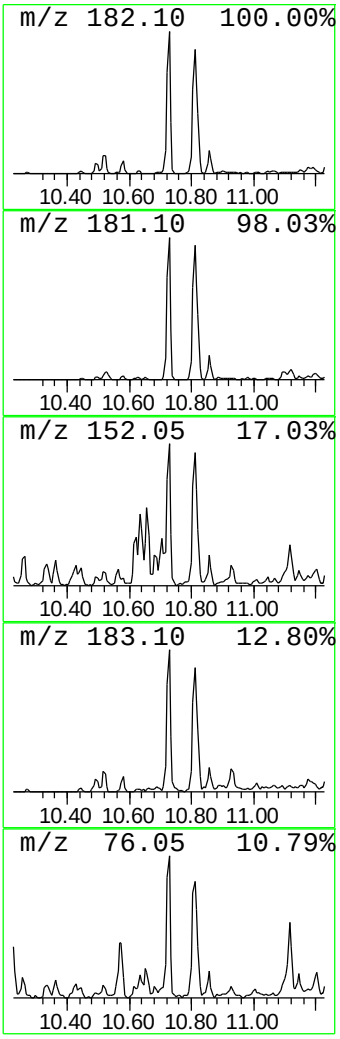
Peak Number 10 Dibenzofuran, 4-methyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.73	7.51 ng	545628	Acenaphthene-d10	10.02

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzofuran, 4-methyl-	182	C13H10O	007320-53-8	91
2	[1,1'-Biphenyl]-4-carboxaldehyde	182	C13H10O	003218-36-8	90
3	Norharmane, N-methyl-	182	C12H10N2	1000374-78-6	80
4	9H-Fluoren-9-ol	182	C13H10O	001689-64-1	78
5	Pyridine, 4,4'-(1,2-ethenediyl)bis-	182	C12H10N2	001135-32-6	78





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Operator : JU/SJ
Sample : J5516-06
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SSSI-1011-S-DH-30

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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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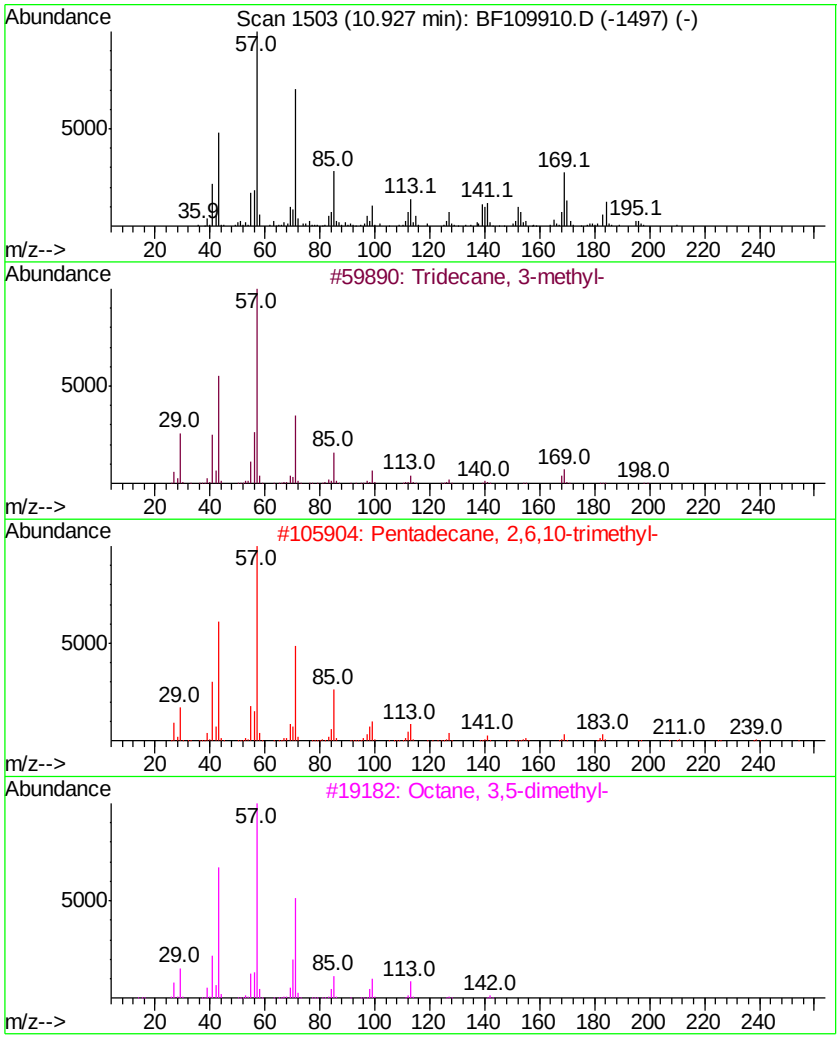
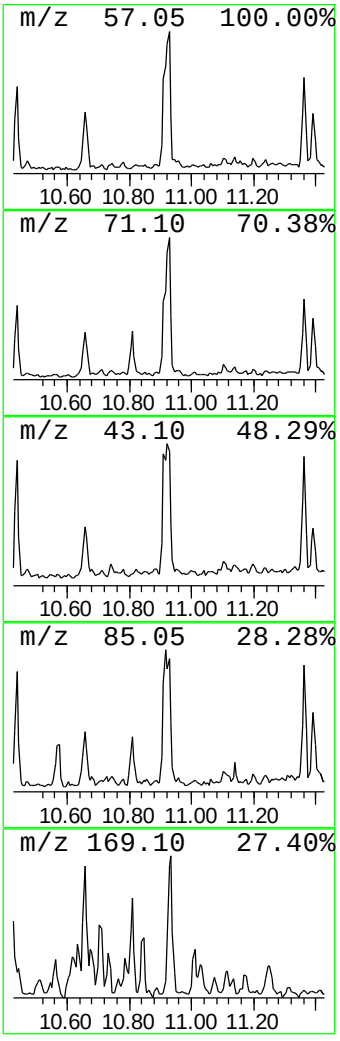
Peak Number 11 unknown10.93 Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.93	7.21 ng	541176	Phenanthrene-d10	11.52

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tridecane, 3-methyl-	198	C14H30	006418-41-3	43
2	Pentadecane, 2,6,10-trimethyl-	254	C18H38	003892-00-0	43
3	Octane, 3,5-dimethyl-	142	C10H22	015869-93-9	38
4	Pentadecane, 7-methyl-	226	C16H34	006165-40-8	38
5	Dodecane, 2,7,10-trimethyl-	212	C15H32	074645-98-0	38





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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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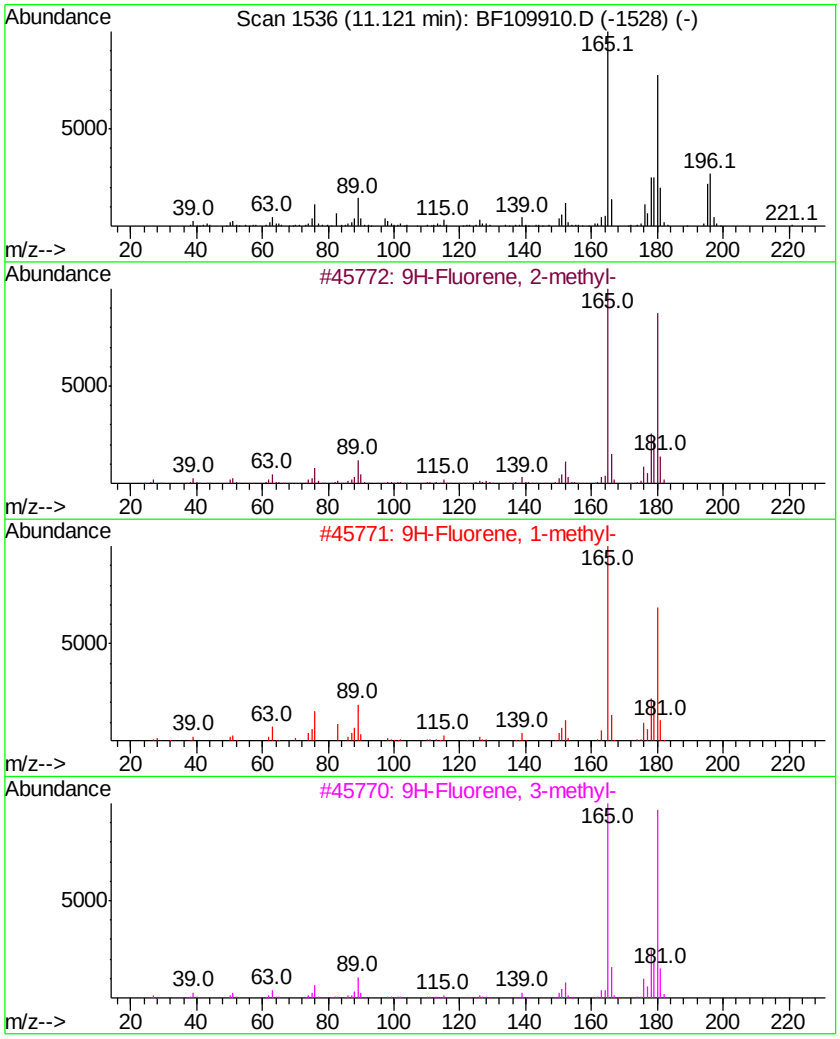
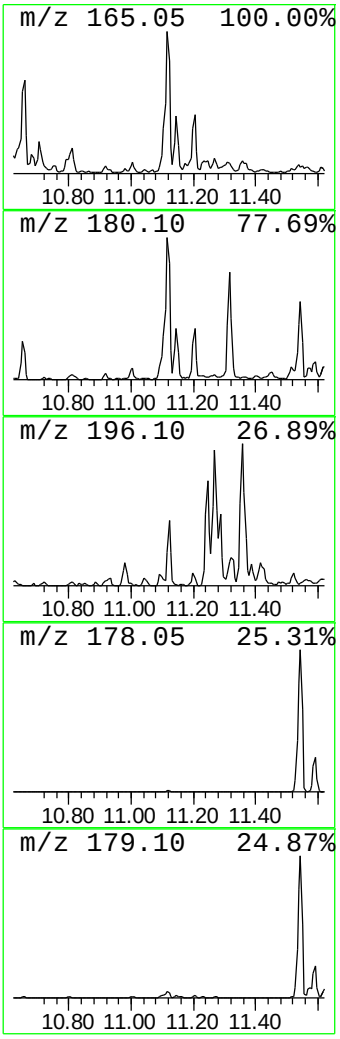
Peak Number 12 9H-Fluorene, 2-methyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.12	6.84 ng	513586	Phenanthrene-d10	11.52

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluorene, 2-methyl-	180	C14H12	001430-97-3	97
2	9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	96
3	9H-Fluorene, 3-methyl-	180	C14H12	002523-39-9	93
4	9H-Fluorene, 9-methyl-	180	C14H12	002523-37-7	91
5	4a,9a-Methano-9H-fluorene	180	C14H12	019540-84-2	76





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Sample : J5516-06
Misc :
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Instrument : BNA_F
ClientSampleId : SSSI-1011-S-DH-30

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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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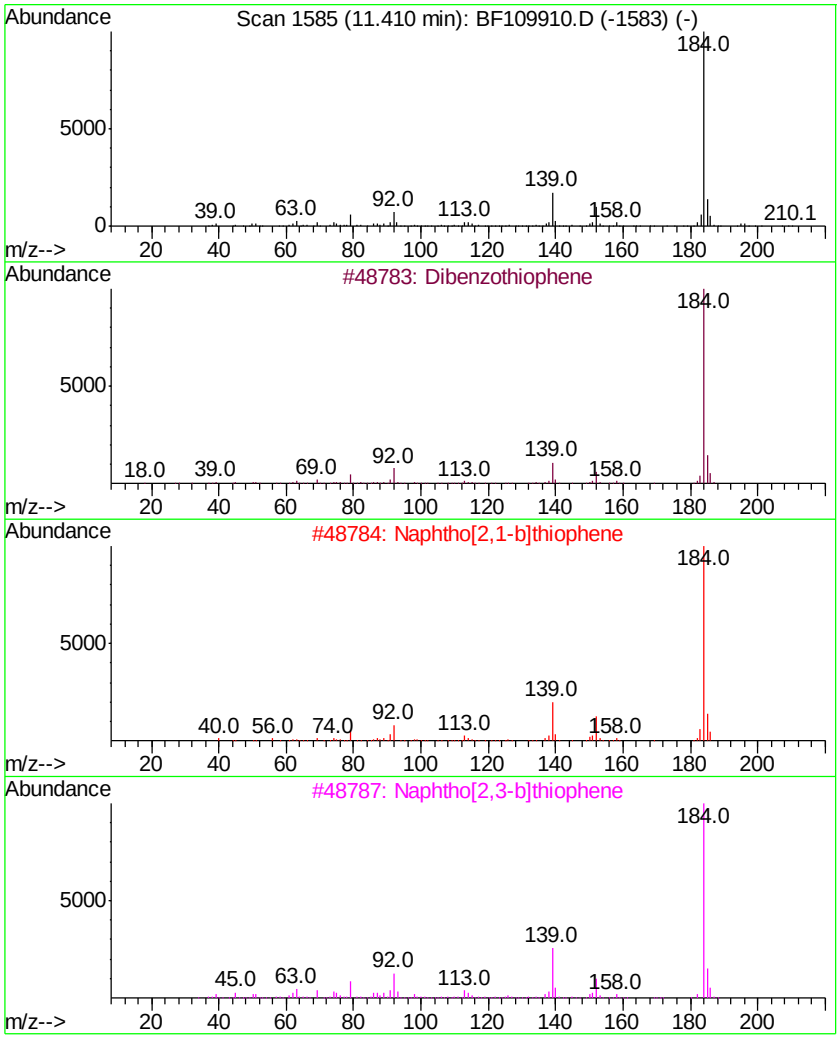
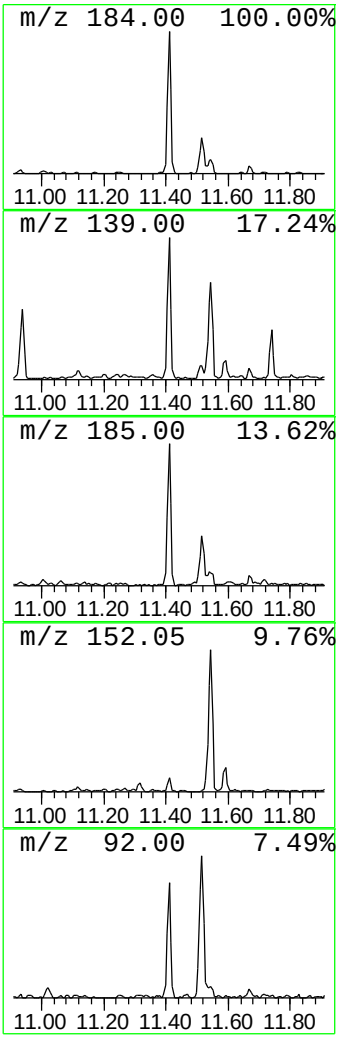
Peak Number 13 Dibenzothiophene Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.41	7.57 ng	567833	Phenanthrene-d10	11.52

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzothiophene	184	C12H8S	000132-65-0	97
2	Naphtho[2,1-b]thiophene	184	C12H8S	000233-02-3	95
3	Naphtho[2,3-b]thiophene	184	C12H8S	000268-77-9	94
4	Azuleno(2,1-b)thiophene	184	C12H8S	000248-13-5	91
5	1,1'-Biphenyl, 2-methoxy-	184	C13H12O	000086-26-0	72





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Sample : J5516-06
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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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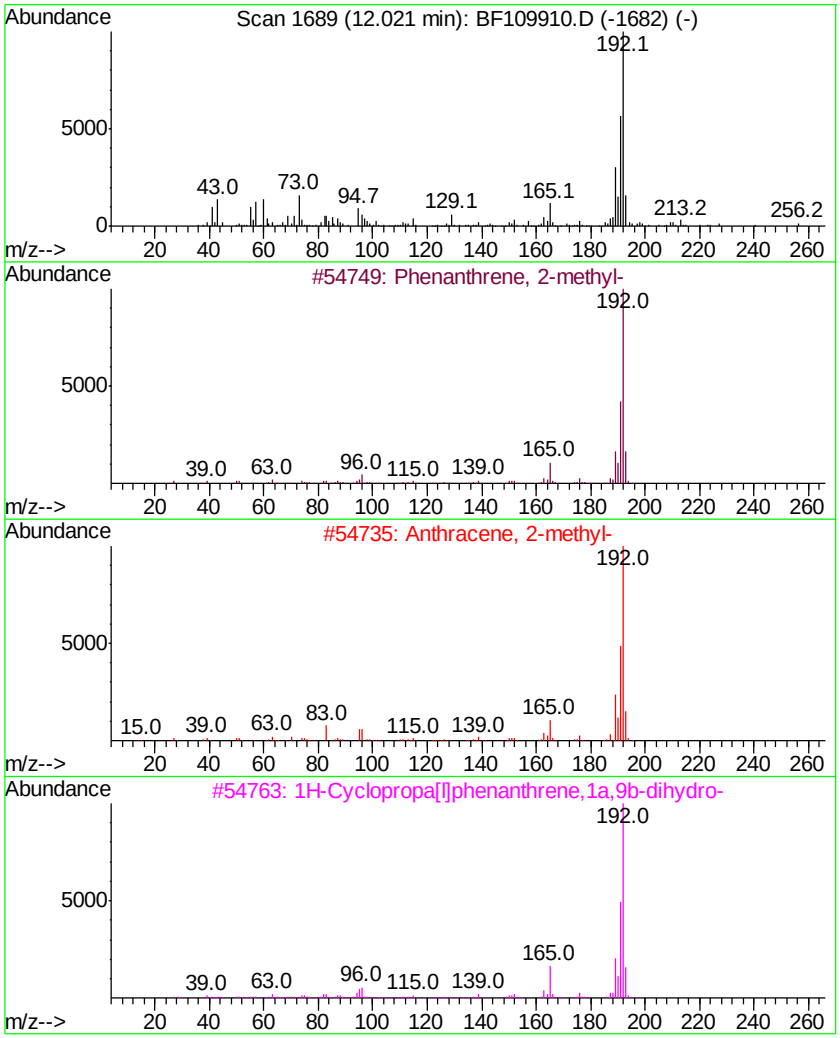
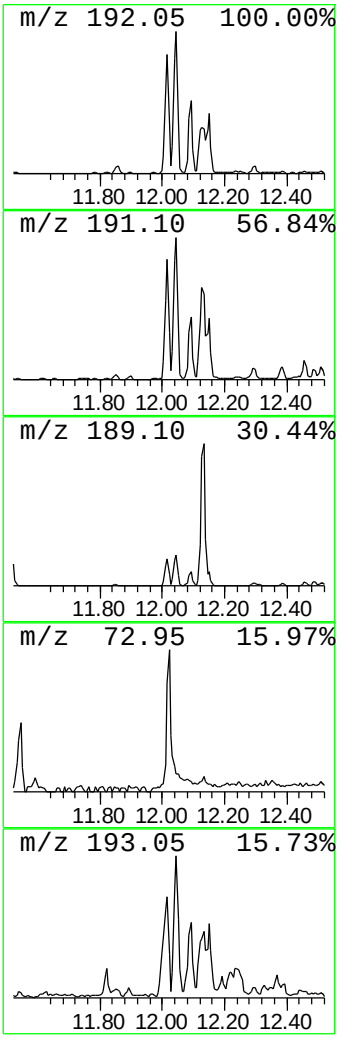
Peak Number 14 Anthracene, 2-methyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.02	8.99 ng	674900	Phenanthrene-d10	11.52

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
2	Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
3	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	95
4	Anthracene, 9-methyl-	192	C15H12	000779-02-2	94
5	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	93





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Instrument : BNA_F
ClientSampleId : SSSI-1011-S-DH-30

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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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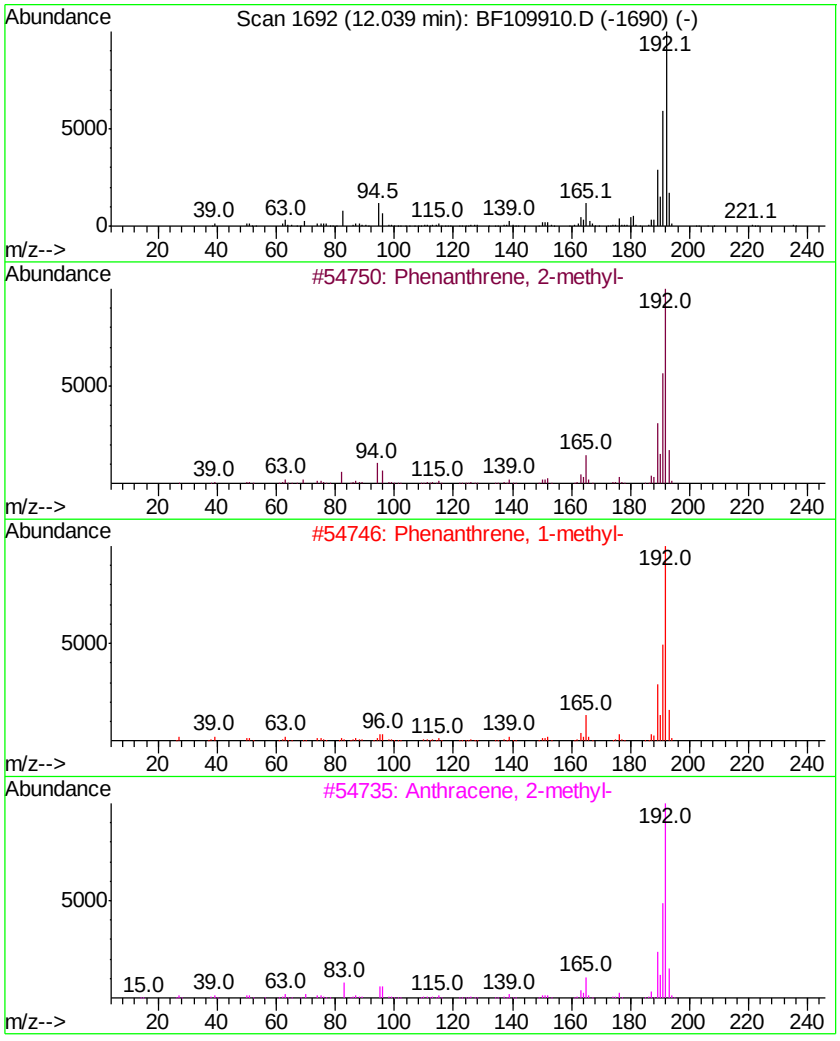
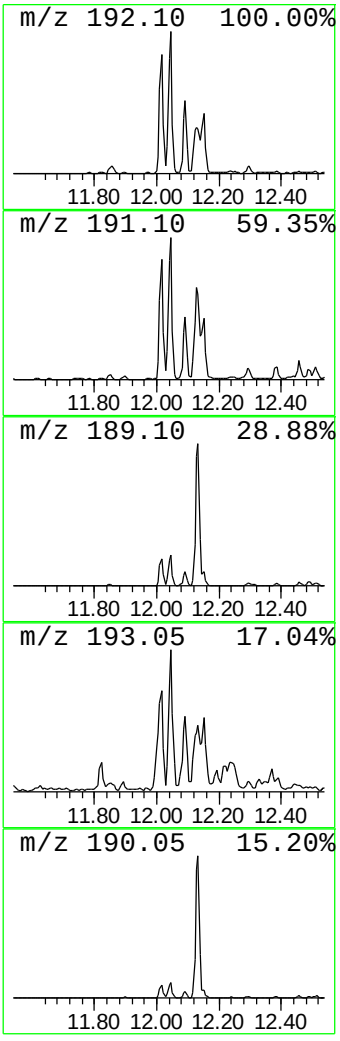
Peak Number 15 Phenanthrene, 2-methyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.04	9.09 ng	682159	Phenanthrene-d10	11.52

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	98
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	97
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
4	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	96
5	Anthracene, 9-methyl-	192	C15H12	000779-02-2	96





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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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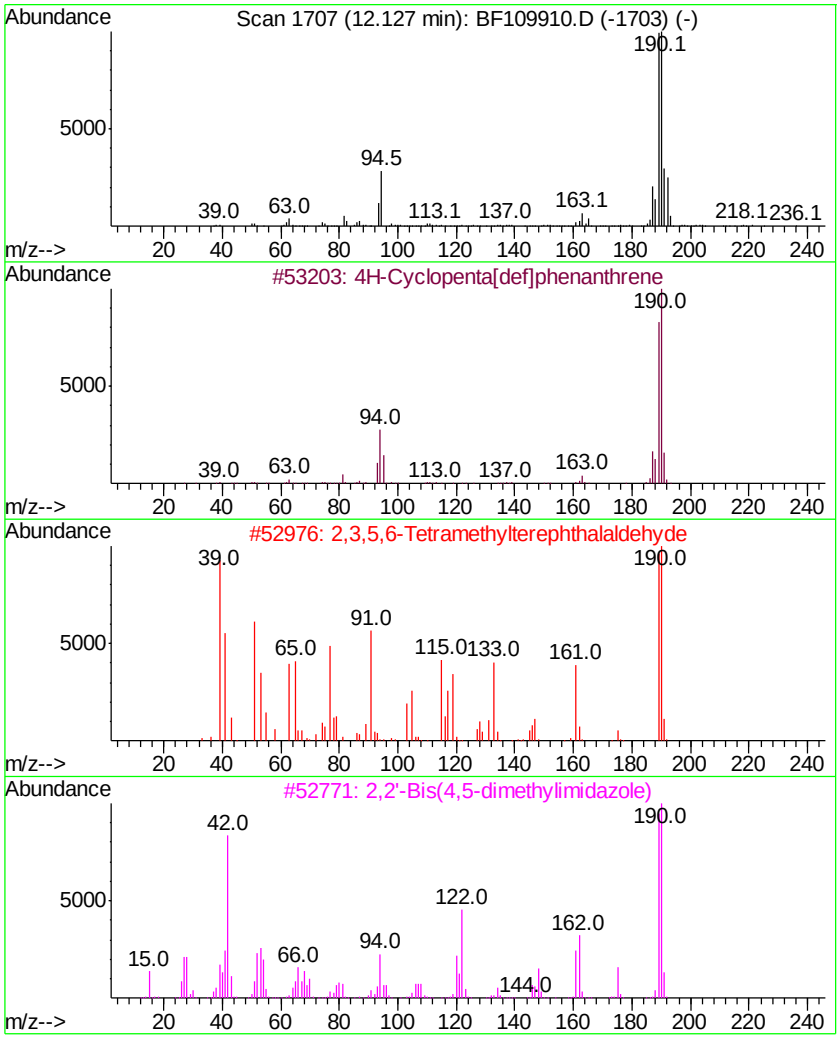
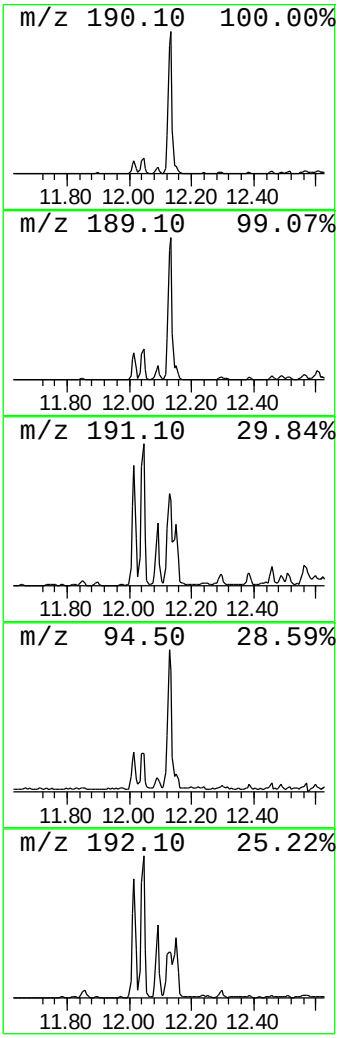
Peak Number 16 4H-Cyclopenta[def]phenanthrene Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.13	18.87 ng	1416300	Phenanthrene-d10	11.52

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	95
2	2,3,5,6-Tetramethylterephthalald...	190	C12H14O2	007072-01-7	50
3	2,2'-Bis(4,5-dimethylimidazole)	190	C10H14N4	069286-06-2	45
4	Methyl diselenide	190	C2H6Se2	007101-31-7	43
5	1,4-Naphthalenedione, 2,5-dihydr...	190	C10H6O4	004923-55-1	25





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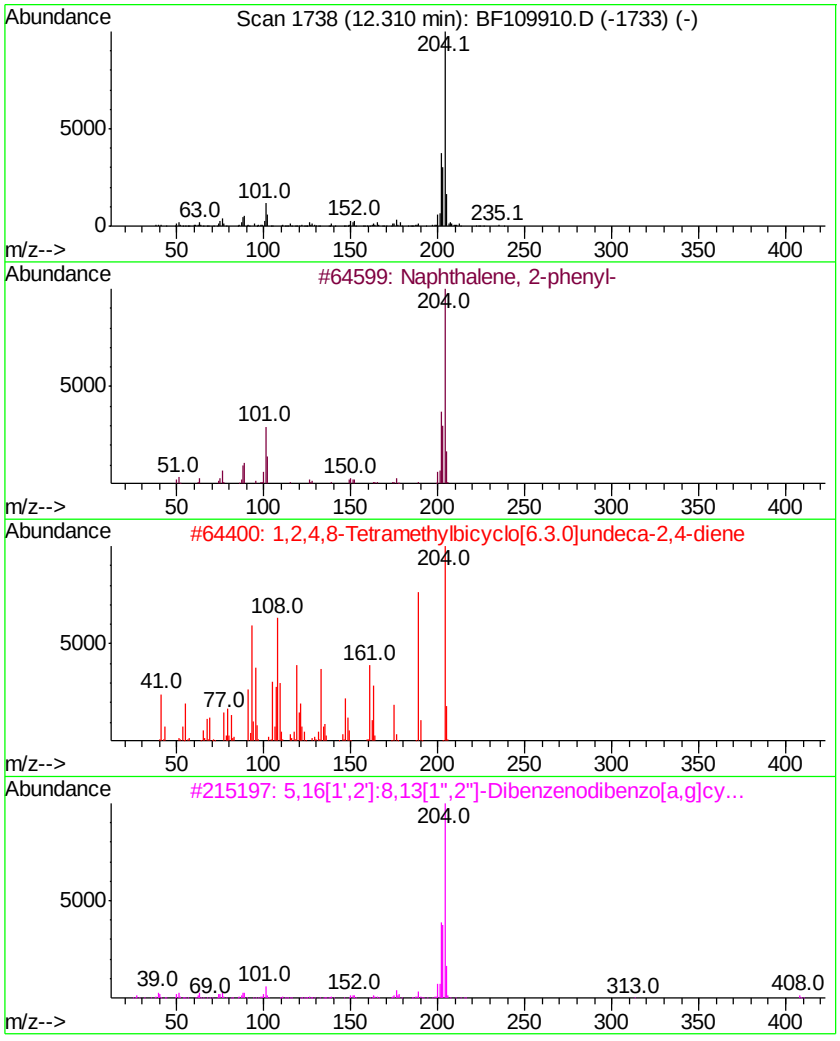
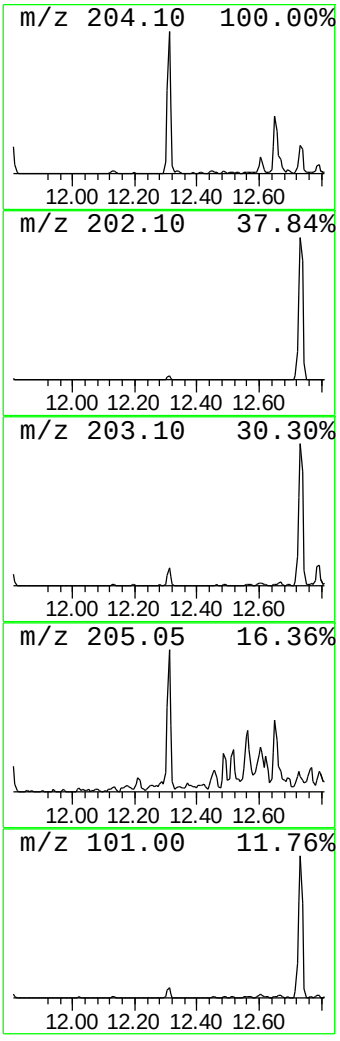
Peak Number 17 Naphthalene, 2-phenyl- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.31	5.20 ng	389922	Phenanthrene-d10	11.52

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	93
2	1,2,4,8-Tetramethylbicyclo[6.3.0...	204	C15H24	137235-51-9	90
3	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	87
4	Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	86
5	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	74





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Data File : BF109910.D
Acq On : 16 Oct 2018 17:27
Operator : JU/SJ
Sample : J5516-06
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SSSI-1011-S-DH-30

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF101518.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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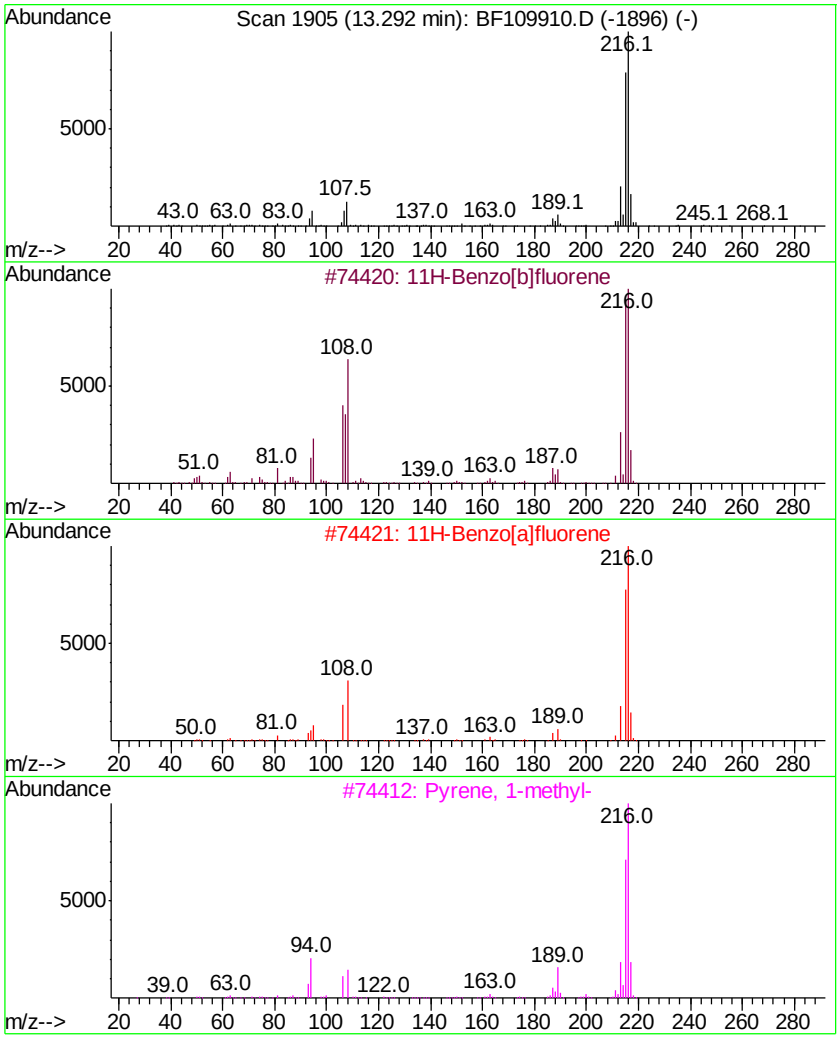
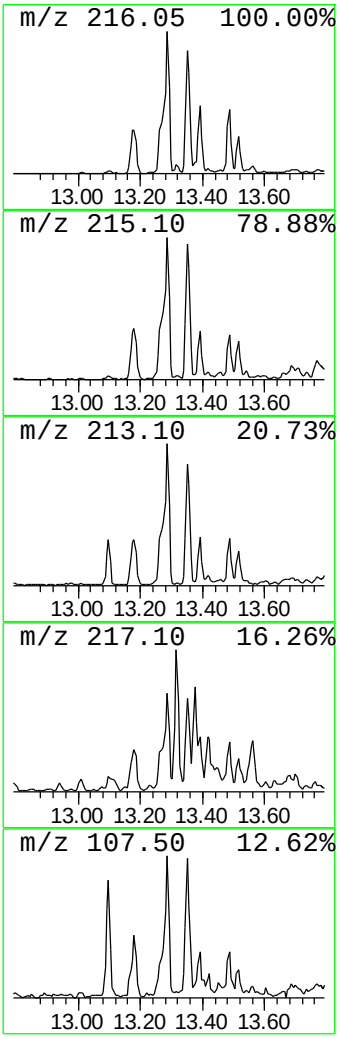
Peak Number 18 11H-Benzo[b]fluorene Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.29	4.86 ng	1094720	Chrysene-d12	14.16

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	93
2	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	91
3	Pyrene, 1-methyl-	216	C17H12	002381-21-7	91
4	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	87
5	7H-Benzo[c]fluorene	216	C17H12	000205-12-9	81





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF101618\
Data File : BF109910.D
Acq On : 16 Oct 2018 17:27
Operator : JU/SJ
Sample : J5516-06
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SSSI-1011-S-DH-30

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF101518.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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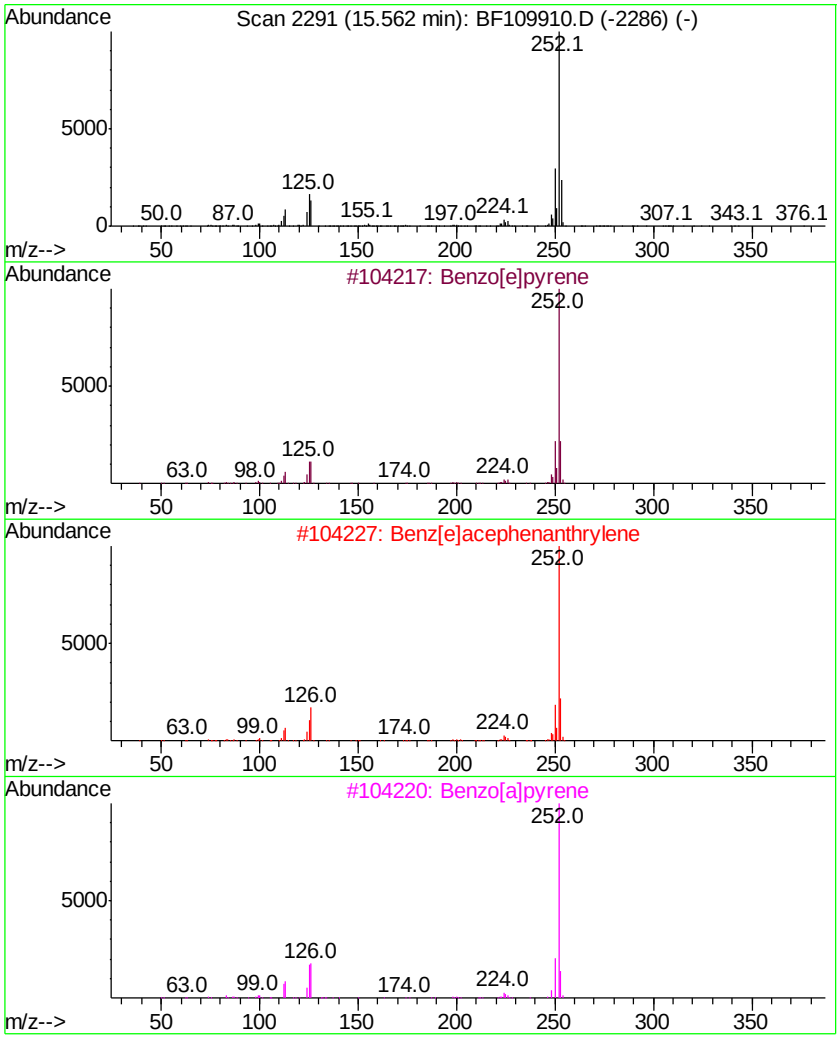
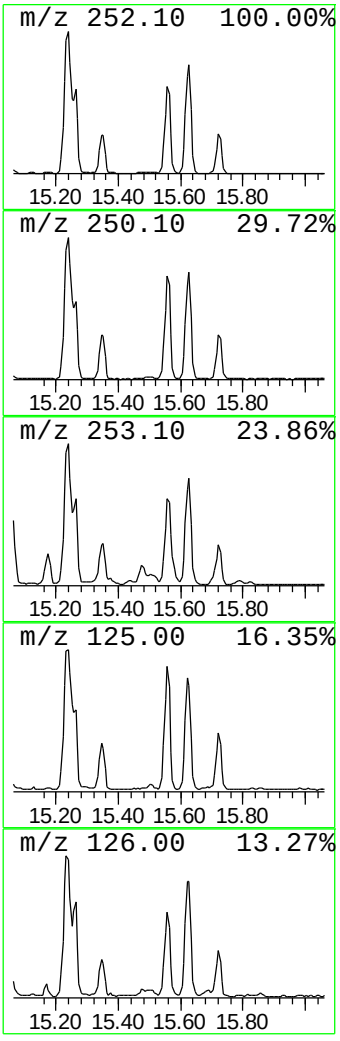
Peak Number 19 Benzo[e]pyrene Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.56	12.68 ng	1595030	Perylene-d12	15.69

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	95
3	Benzo[a]pyrene	252	C20H12	000050-32-8	95
4	Perylene	252	C20H12	000198-55-0	94
5	Benzo[k]fluoranthene	252	C20H12	000207-08-9	93





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF101618\
Data File : BF109910.D
Acq On : 16 Oct 2018 17:27
Operator : JU/SJ
Sample : J5516-06
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SSSI-1011-S-DH-30

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF101518.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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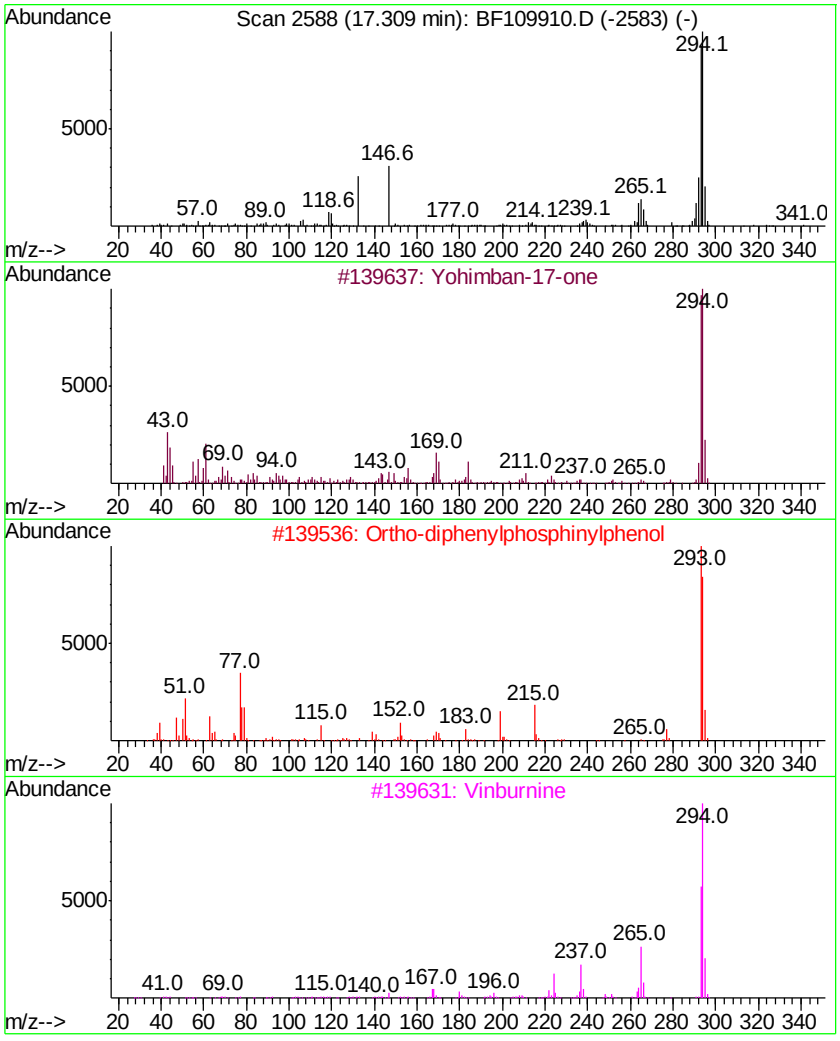
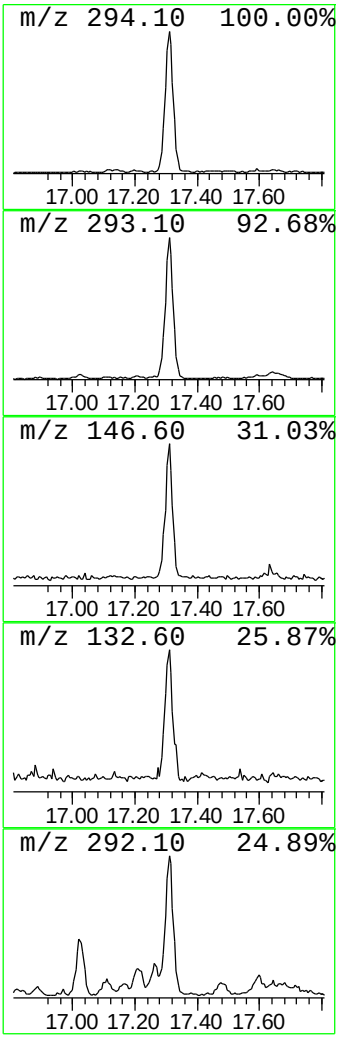
Peak Number 20 Yohimban-17-one Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.31	6.79 ng	853930	Perylene-d12	15.69

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Yohimban-17-one	294	C19H22N2O	000523-14-8	53
2	Ortho-diphenylphosphinylphenol	294	C18H15O2P	016522-52-4	50
3	Vinburnine	294	C19H22N2O	004880-88-0	43
4	N-Methylyohimbane	294	C20H26N2	1000128-76-0	40
5	2-Methoxydiftalone	294	C17H14N2O3	037149-81-8	38





Tentatively Identified Compound (LSC) summary

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF101618\
Data File : BF109910.D
Acq On : 16 Oct 2018 17:27
Operator : JU/SJ
Sample : J5516-06
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SSSI-1011-S-DH-30

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF101518.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...	2.33	13.7	ng	913199	1	6.98	1337530	20.0
unknown6.75	6.75	62.2	ng	4161570	1	6.98	1337530	20.0
Naphthalene, 1-et...	9.53	6.3	ng	458192	3	10.02	1453030	20.0
Naphthalene, 1,7-...	9.60	16.6	ng	1204970	3	10.02	1453030	20.0
Naphthalene, 2,6-...	9.67	15.9	ng	1156210	3	10.02	1453030	20.0
Naphthalene, 1,3-...	9.79	5.5	ng	396174	3	10.02	1453030	20.0
Naphthalene, 1,6,...	10.44	5.0	ng	364149	3	10.02	1453030	20.0
Diphenylmethane	10.66	5.6	ng	408267	3	10.02	1453030	20.0
Dibenzofuran, 4-m...	10.73	7.5	ng	545628	3	10.02	1453030	20.0
unknown10.93	10.93	7.2	ng	541176	4	11.52	1500890	20.0
9H-Fluorene, 2-me...	11.12	6.8	ng	513586	4	11.52	1500890	20.0
Dibenzothiophene	11.41	7.6	ng	567833	4	11.52	1500890	20.0
Anthracene, 2-met...	12.02	9.0	ng	674900	4	11.52	1500890	20.0
Phenanthrene, 2-m...	12.04	9.1	ng	682159	4	11.52	1500890	20.0
4H-Cyclopenta[def...	12.13	18.9	ng	1416300	4	11.52	1500890	20.0
Naphthalene, 2-ph...	12.31	5.2	ng	389922	4	11.52	1500890	20.0
11H-Benzo[b]fluorene	13.29	4.9	ng	1094720	5	14.16	4505760	20.0
Benzo[e]pyrene	15.56	12.7	ng	1595030	6	15.69	2516350	20.0
Yohimban-17-one	17.31	6.8	ng	853930	6	15.69	2516350	20.0