LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF121518\
Data File : BF111473.D
Acq On : 15 Dec 2018 17:20
Operator : JU/SJ
Sample : J6316-21
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : BORING-SAMPLE-STEAL-WELL-YA

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-BF121418.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	3.257	197	199	211	rBV	25977	71475	1.33%	0.097%
2	5.010	493	497	503	rVB	186048	246138	4.60%	0.335%
3	5.428	563	568	571	rBV	4544353	4611222	86.12%	6.270%
4	6.440	735	740	755	rBV2	4257488	5354398	100.00%	7.281%
5	6.569	757	762	765	rBV	5146050	4872871	91.01%	6.626%
6	6.792	796	800	804	rBV	1488727	1184216	22.12%	1.610%
7	6.951	823	827	830	rBV	4395097	3767474	70.36%	5.123%
8	7.357	890	896	899	rBV	3237652	3109553	58.07%	4.228%
9	7.610	935	939	943	rBV	440546	402430	7.52%	0.547%
10	7.804	964	972	979	rBV	425032	479057	8.95%	0.651%
11	7.928	988	993	998	rVB4	79089	140821	2.63%	0.191%
12	7.981	998	1002	1006	rBV	710381	608301	11.36%	0.827%
13	8.016	1006	1008	1014	rVV	142338	123173	2.30%	0.167%
14	8.075	1014	1018	1020	rVV	1828058	1489169	27.81%	2.025%
15	8.104	1020	1023	1026	rVV	1859248	1632704	30.49%	2.220%
16	8.128	1026	1027	1037	rVB2	90830	102797	1.92%	0.140%
17	9.151	1197	1201	1204	rBV	5464060	4940455	92.27%	6.718%
18	9.239	1213	1216	1222	rVB3	34774	62999	1.18%	0.086%
19	9.486	1249	1258	1261	rBV2	50940	66038	1.23%	0.090%
20	9.545	1264	1268	1276	rVB	423108	422121	7.88%	0.574%
21	9.686	1289	1292	1299	rBV	235240	209827	3.92%	0.285%
22	9.828	1311	1316	1320	rBV2	1736449	1521753	28.42%	2.069%
23	9.857	1320	1321	1325	rVB	115044	93829	1.75%	0.128%
24	10.033	1347	1351	1355	rBV	87698	86548	1.62%	0.118%
25	10.375	1406	1409	1415	rBV2	115360	117012	2.19%	0.159%
26	10.486	1425	1428	1431	rBV	731268	646696	12.08%	0.879%
27	10.533	1433	1436	1441	rVB2	63202	61769	1.15%	0.084%
28	10.616	1446	1450	1463	rBV	2347094	2207254	41.22%	3.001%
29	10.739	1468	1471	1478	rVB2	98416	119191	2.23%	0.162%
30	10.922	1495	1502	1505	rBV5	51051	84950	1.59%	0.116%
31	11.116	1533	1535	1540	rVB	97285	90012	1.68%	0.122%
32	11.163	1540	1543	1546	rBV2	44852	65872	1.23%	0.090%
33	11.210	1549	1551	1556	rVB2	77856	82811	1.55%	0.113%
34	11.310	1565	1568	1570	rBV	1202564	1134247	21.18%	1.542%

LSC Area Percent Report

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Sample : J6316-21
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : BORING-SAMPLE-STEAL-WELL-YA

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-BF121418.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	11.339	1570	1573	1576	rVV	1343518	1252002	23.38%	1.702%
36	11.386	1578	1581	1584	rVV	434195	370700	6.92%	0.504%
37	11.422	1584	1587	1591	rVB3	64036	71487	1.34%	0.097%
38	11.539	1602	1607	1610	rBV2	162149	193587	3.62%	0.263%
39	11.610	1616	1619	1622	rVB2	77406	67709	1.26%	0.092%
40	11.645	1622	1625	1630	rBV2	67735	63130	1.18%	0.086%
41	11.816	1650	1654	1656	rBV	243424	236179	4.41%	0.321%
42	11.851	1656	1660	1664	rVV2	1243588	1430617	26.72%	1.945%
43	11.886	1664	1666	1669	rVV2	183641	210753	3.94%	0.287%
44	11.927	1669	1673	1675	rVV2	415791	492972	9.21%	0.670%
45	11.951	1675	1677	1681	rVB	175043	164837	3.08%	0.224%
46	12.110	1701	1704	1706	rBV	168799	149116	2.78%	0.203%
47	12.127	1706	1707	1710	rVV	133943	118919	2.22%	0.162%
48	12.163	1710	1713	1715	rVB	117551	103511	1.93%	0.141%
49	12.257	1724	1729	1732	rBV4	74453	107140	2.00%	0.146%
50	12.292	1732	1735	1736	rBV	58620	56197	1.05%	0.076%
51	12.310	1736	1738	1741	rVB2	215639	176867	3.30%	0.240%
52	12.363	1744	1747	1750	rBV	183078	195100	3.64%	0.265%
53	12.416	1750	1756	1759	rBV3	362727	414423	7.74%	0.564%
54	12.445	1759	1761	1767	rVB2	178820	192792	3.60%	0.262%
55	12.527	1771	1775	1778	rBV	2717808	2520526	47.07%	3.427%
56	12.551	1778	1779	1781	rVB	175680	90286	1.69%	0.123%
57	12.639	1788	1794	1799	rBV2	861387	1228246	22.94%	1.670%
58	12.757	1808	1814	1817	rBV	2539748	2602884	48.61%	3.539%
59	12.804	1820	1822	1827	rVB3	209342	214895	4.01%	0.292%
60	12.874	1831	1834	1835	rBV	140451	124069	2.32%	0.169%
61	12.904	1835	1839	1842	rVV	3387868	3284911	61.35%	4.467%
62	12.933	1842	1844	1847	rVV	552600	439129	8.20%	0.597%
63	12.974	1847	1851	1854	rVV3	177965	249549	4.66%	0.339%
64	13.004	1854	1856	1859	rVB	71734	53858	1.01%	0.073%
65	13.063	1863	1866	1867	rVV2	184641	211407	3.95%	0.287%
66	13.080	1867	1869	1872	rVB	334809	324759	6.07%	0.442%
67	13.151	1878	1881	1883	rVB	221643	190085	3.55%	0.258%
68	13.186	1883	1887	1890	rBV2	303129	323545	6.04%	0.440%
69	13.280	1900	1903	1905	rVB	162162	137227	2.56%	0.187%
70	13.310	1905	1908	1911	rBV2	184296	158148	2.95%	0.215%
71	13.463	1931	1934	1935	rBV2	74201	81022	1.51%	0.110%

LSC Area Percent Report

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Sample : J6316-21
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : BORING-SAMPLE-STEAL-WELL-YA

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:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF121418.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

72	13.586	1952	1955	1961	rVB	287052	267711	5.00%	0.364%
73	13.698	1970	1974	1977	rBV2	256956	339627	6.34%	0.462%
74	13.727	1977	1979	1981	rVV	259437	223843	4.18%	0.304%
75	13.751	1981	1983	1987	rVV2	234836	308369	5.76%	0.419%
76	13.798	1988	1991	1997	rVB2	364064	575959	10.76%	0.783%
77	13.892	2005	2007	2010	rVB2	172199	149308	2.79%	0.203%
78	13.951	2010	2017	2020	rBV2	1901348	3101211	57.92%	4.217%
79	13.980	2020	2022	2028	rVB	1487243	1281968	23.94%	1.743%
80	14.057	2033	2035	2038	rVB	187967	143957	2.69%	0.196%
81	14.168	2051	2054	2058	rBV2	105589	183439	3.43%	0.249%
82	14.310	2075	2078	2080	rBV2	151810	200993	3.75%	0.273%
83	14.339	2081	2083	2086	rVV	317361	278574	5.20%	0.379%
84	14.374	2086	2089	2093	rVB2	185370	194709	3.64%	0.265%
85	14.463	2102	2104	2106	rBV	138138	122623	2.29%	0.167%
86	14.904	2177	2179	2187	rVB2	223574	303423	5.67%	0.413%
87	14.986	2188	2193	2196	rBV	1140924	1856831	34.68%	2.525%
88	15.086	2208	2210	2214	rVB	253269	231630	4.33%	0.315%
89	15.133	2216	2218	2222	rVB2	145166	146315	2.73%	0.199%
90	15.280	2238	2243	2249	rBV2	643124	1189091	22.21%	1.617%
91	15.339	2249	2253	2259	rVV	927671	1087996	20.32%	1.479%
92	15.398	2259	2263	2266	rVV	579346	762480	14.24%	1.037%
93	15.433	2266	2269	2275	rVB3	445309	698039	13.04%	0.949%
94	16.815	2499	2504	2512	rVB3	384002	759734	14.19%	1.033%
95	17.245	2571	2577	2586	rVB	311860	623915	11.65%	0.848%

Sum of corrected areas: 73543512

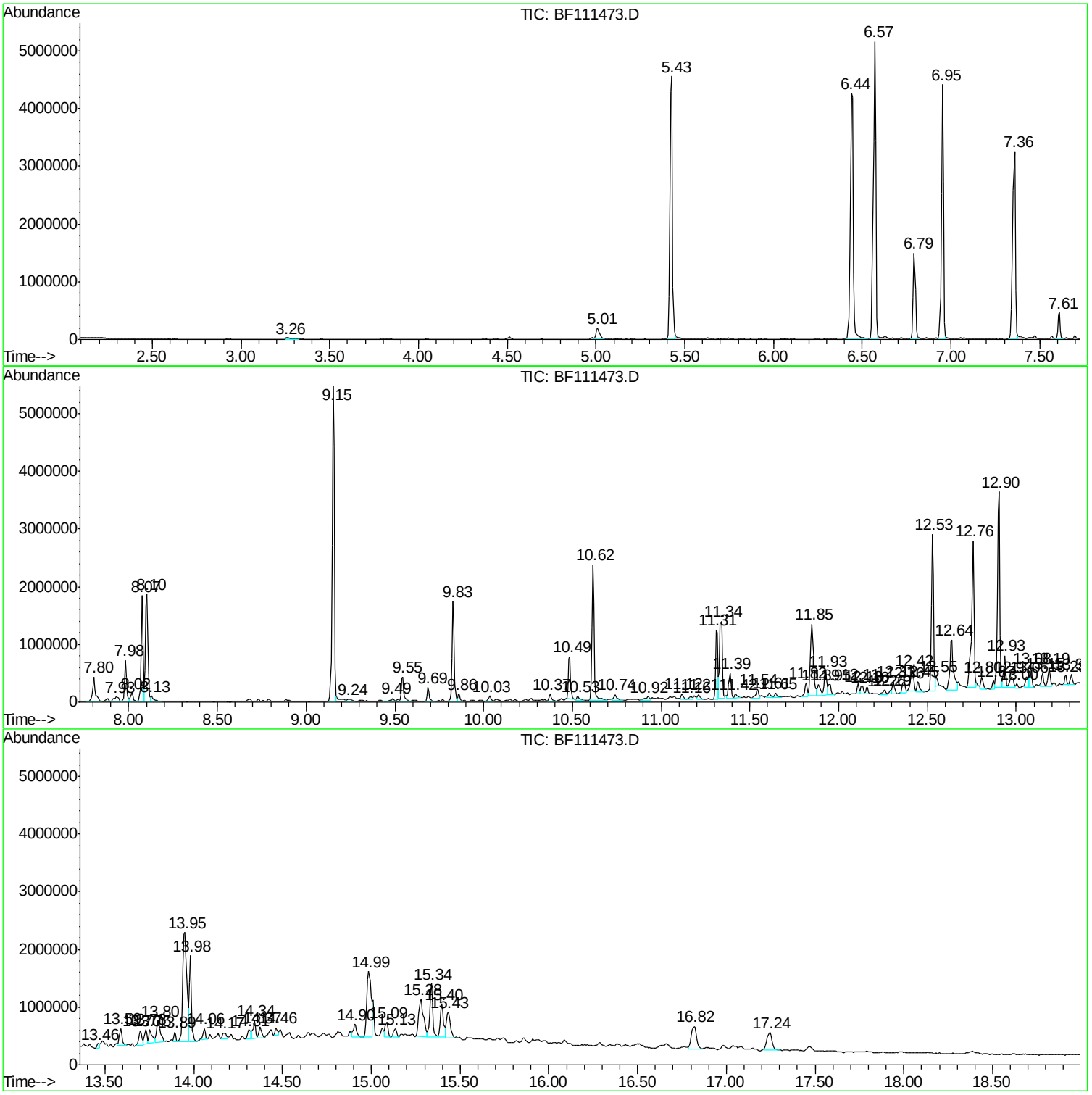
LSC Report - Integrated Chromatogram

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF121518\
Data File : BF111473.D
Acq On : 15 Dec 2018 17:20
Operator : JU/SJ
Sample : J6316-21
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
BORING-SAMPLE-STEAL-WELL-YA

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF121418.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF121518\
Data File : BF111473.D
Acq On : 15 Dec 2018 17:20
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Sample : J6316-21
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
BORING-SAMPLE-STEAL-WELL-YA

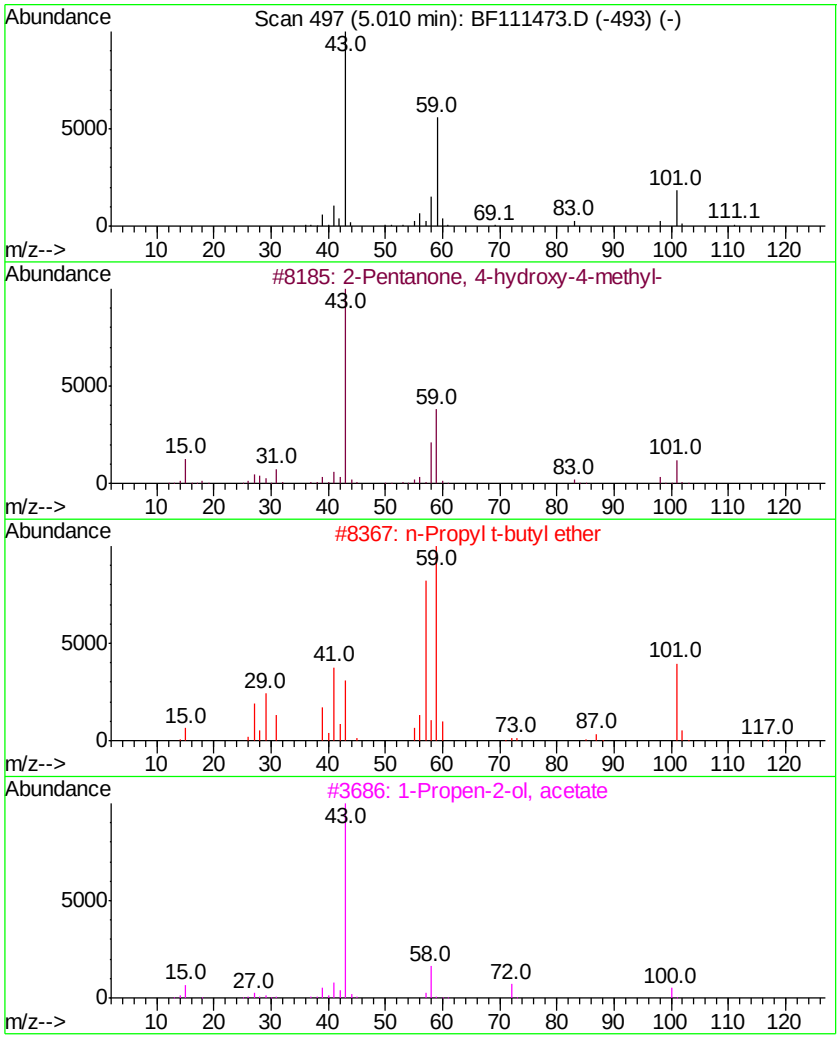
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF121418.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

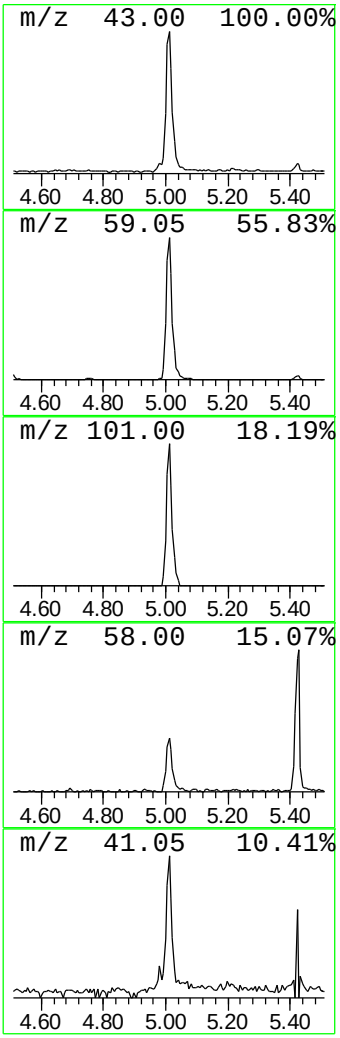
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 1 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.01	4.16 ng	246138	1,4-Dichlorobenzene-d4	6.79

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	50
2	n-Propyl t-butyl ether	116	C7H16O	1000334-81-9	33
3	1-Propen-2-ol, acetate	100	C5H8O2	000108-22-5	10
4	Propane, 2-methyl-2-(1-methyleth...	116	C7H16O	017348-59-3	10
5	5-Hexen-2-one	98	C6H10O	000109-49-9	9





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF121518\
Data File : BF111473.D
Acq On : 15 Dec 2018 17:20
Operator : JU/SJ
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Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF121418.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

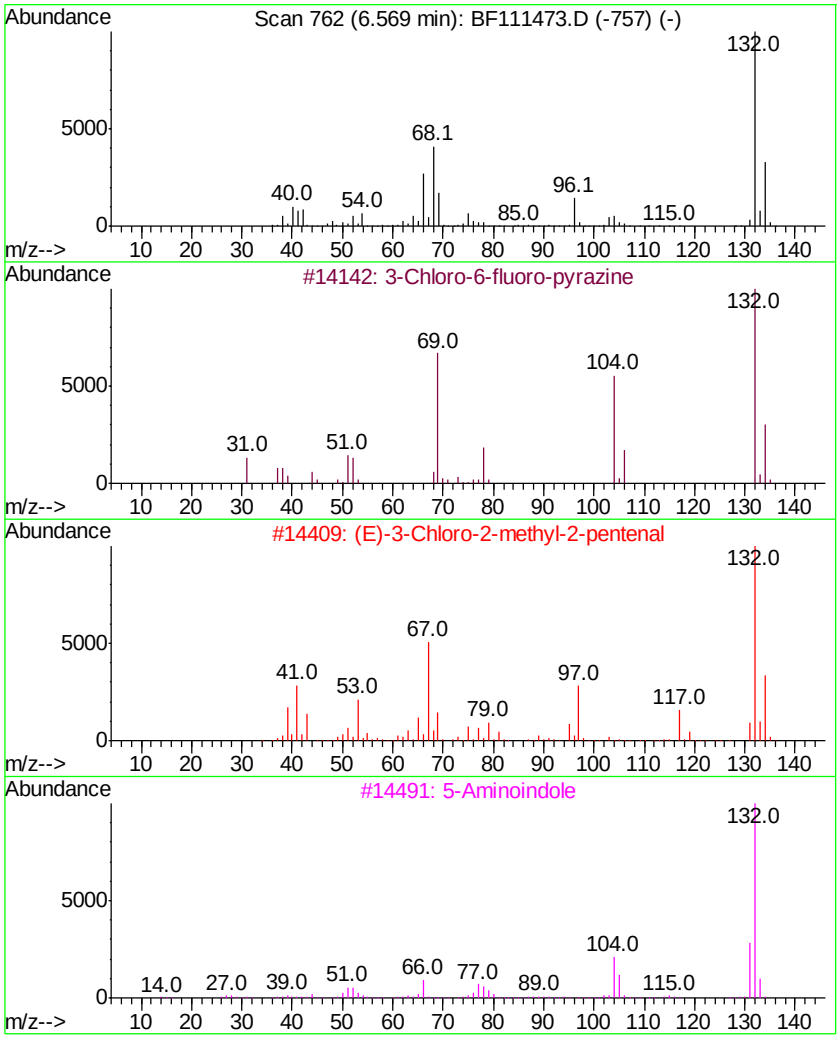
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

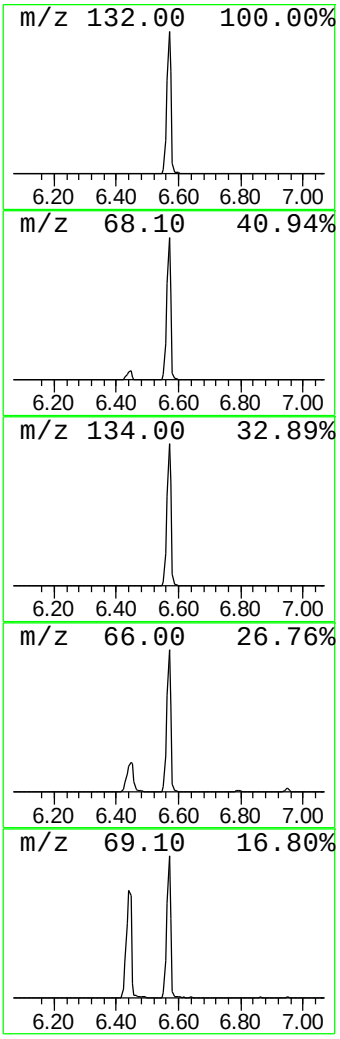
****

Peak Number 2 unknown6.57 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.57	82.30 ng	4872870	1,4-Dichlorobenzene-d4	6.79

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	12
3	5-Aminoindole	132	C8H8N2	005192-03-0	12
4	Bicyclo[4.2.0]octa-1,3,5-triene,...	132	C10H12	028749-81-7	9
5	Benzene, 1-ethenyl-3,5-dimethyl-	132	C10H12	005379-20-4	9





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Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF121418.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

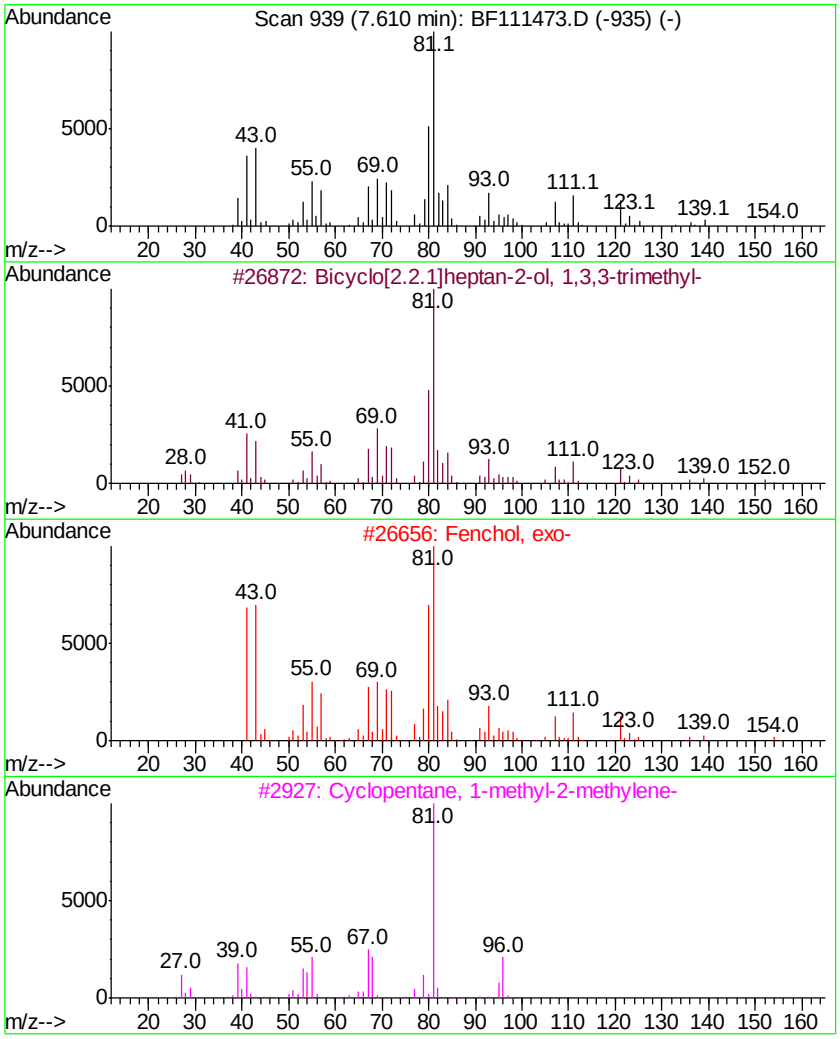
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

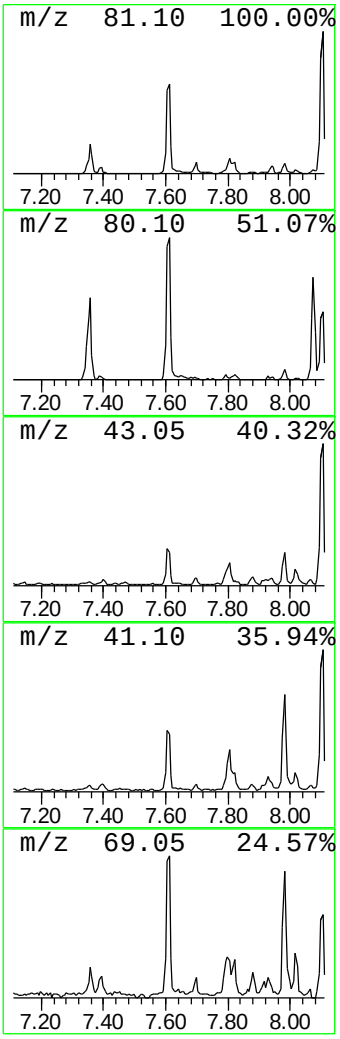
****

Peak Number 4 Bicyclo[2.2.1]heptan-2-ol, ... Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.61	5.40 ng	402430	Naphthalene-d8	8.07

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Bicyclo[2.2.1]heptan-2-ol, 1,3,3...	154	C10H18O	001632-73-1	96
2	Fenchol, exo-	154	C10H18O	022627-95-8	55
3	Cyclopentane, 1-methyl-2-methylene-	96	C7H12	041158-41-2	35
4	2,4-Nonadienal, (E,E)-	138	C9H14O	005910-87-2	35
5	Cyclohexene, 3-ethyl-	110	C8H14	002808-71-1	35





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Instrument : BNA_F
ClientSampleId : BORING-SAMPLE-STEAL-WELL-YA

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF121418.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

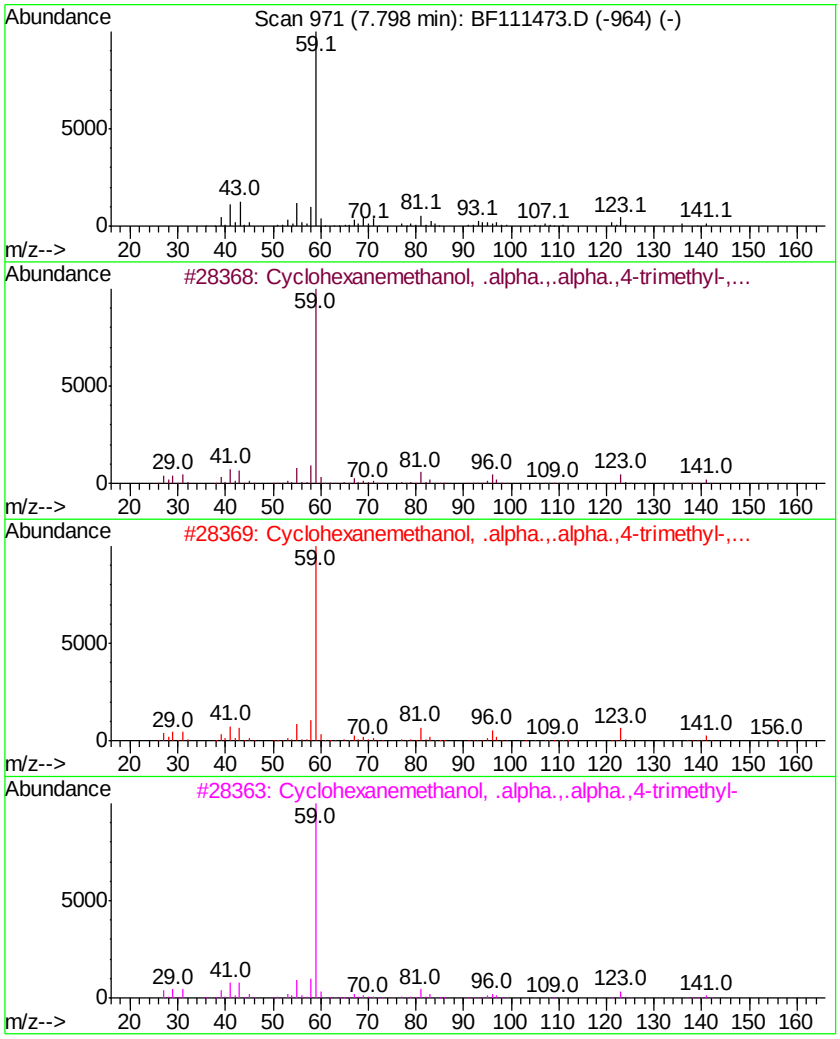
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

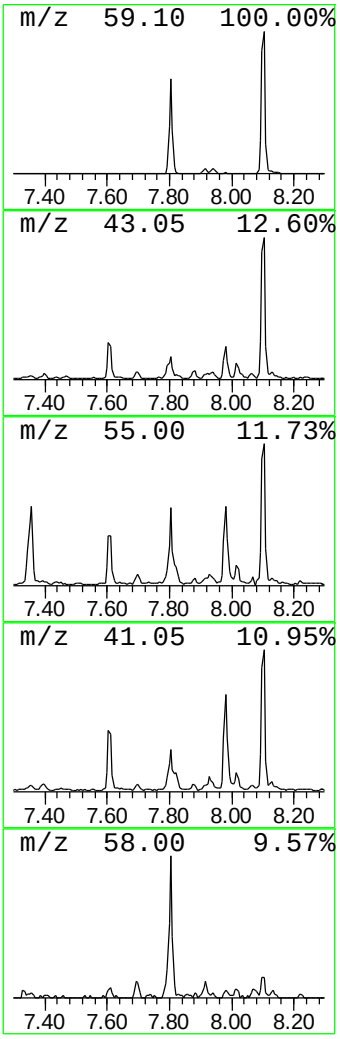
****

Peak Number 5 Cyclohexanemethanol, .alpha... Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.80	6.43 ng	479057	Naphthalene-d8	8.07

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexanemethanol, .alpha.,.al...	156	C10H20O	007322-63-6	83
2	Cyclohexanemethanol, .alpha.,.al...	156	C10H20O	005114-00-1	83
3	Cyclohexanemethanol, .alpha.,.al...	156	C10H20O	000498-81-7	83
4	2,3-Dimethyl-4-penten-2-ol	114	C7H14O	019781-52-3	45
5	2-Hydroxy-2,5-dimethyl-hept-6-en...	156	C9H16O2	1000192-55-8	42





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF121518\
Data File : BF111473.D
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Sample : J6316-21
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : BORING-SAMPLE-STEAL-WELL-YA

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF121418.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

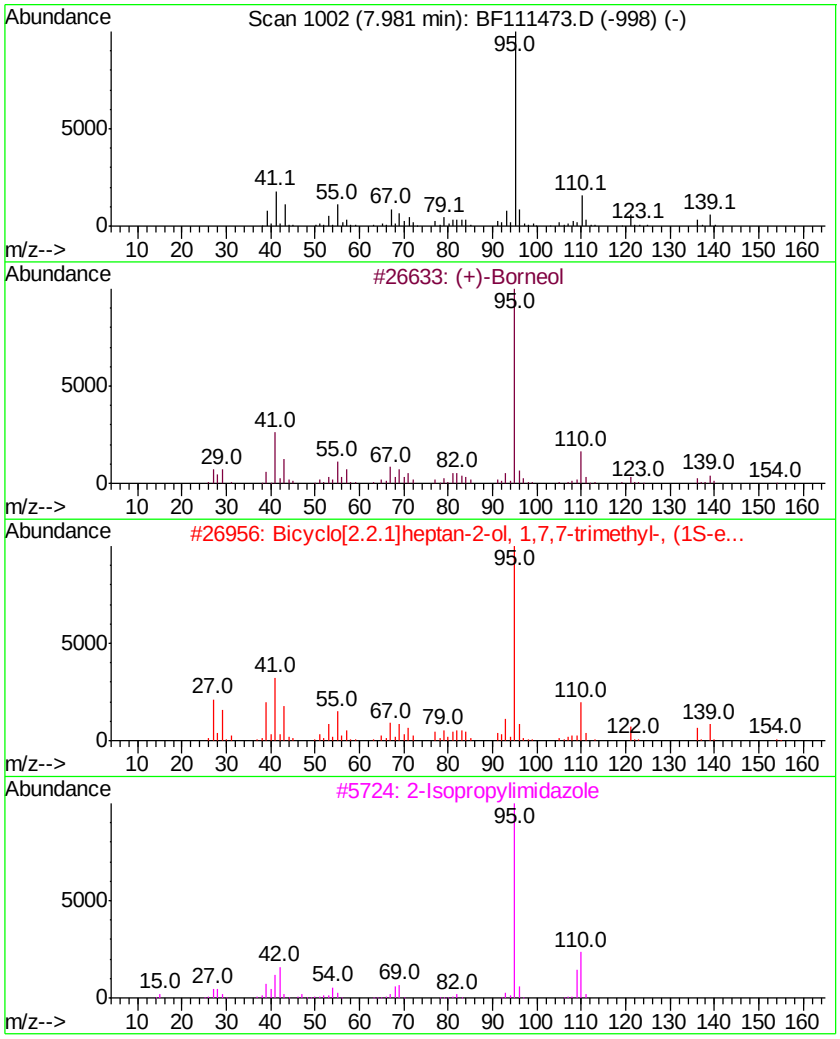
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

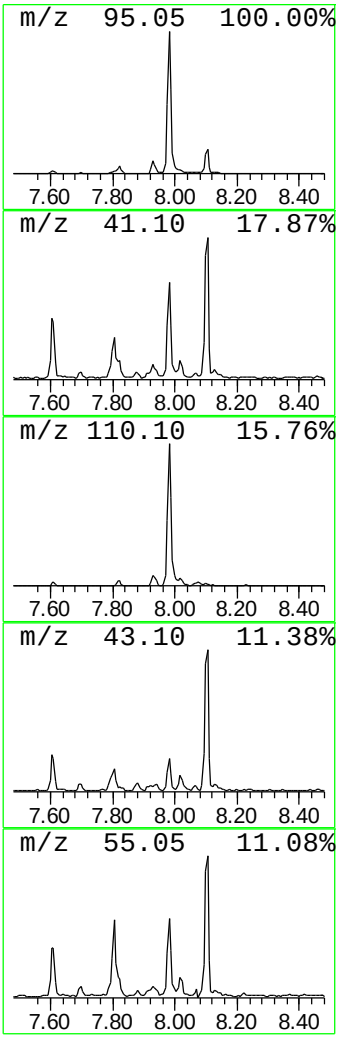
****

Peak Number 6 (+)-Borneol Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.98	8.17 ng	608301	Naphthalene-d8	8.07

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	(+)-Borneol	154	C10H18O	1000150-76-3	83
2	Bicyclo[2.2.1]heptan-2-ol, 1,7,7...	154	C10H18O	000464-45-9	83
3	2-Isopropylimidazole	110	C6H10N2	036947-68-9	64
4	2-Amino-4-methylbut-2-enenitrile	110	C6H10N2	1000197-39-9	64
5	Furan, 2-ethyl-5-methyl-	110	C7H10O	001703-52-2	64





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Acq On : 15 Dec 2018 17:20
Operator : JU/SJ
Sample : J6316-21
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : BORING-SAMPLE-STEAL-WELL-YA

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF121418.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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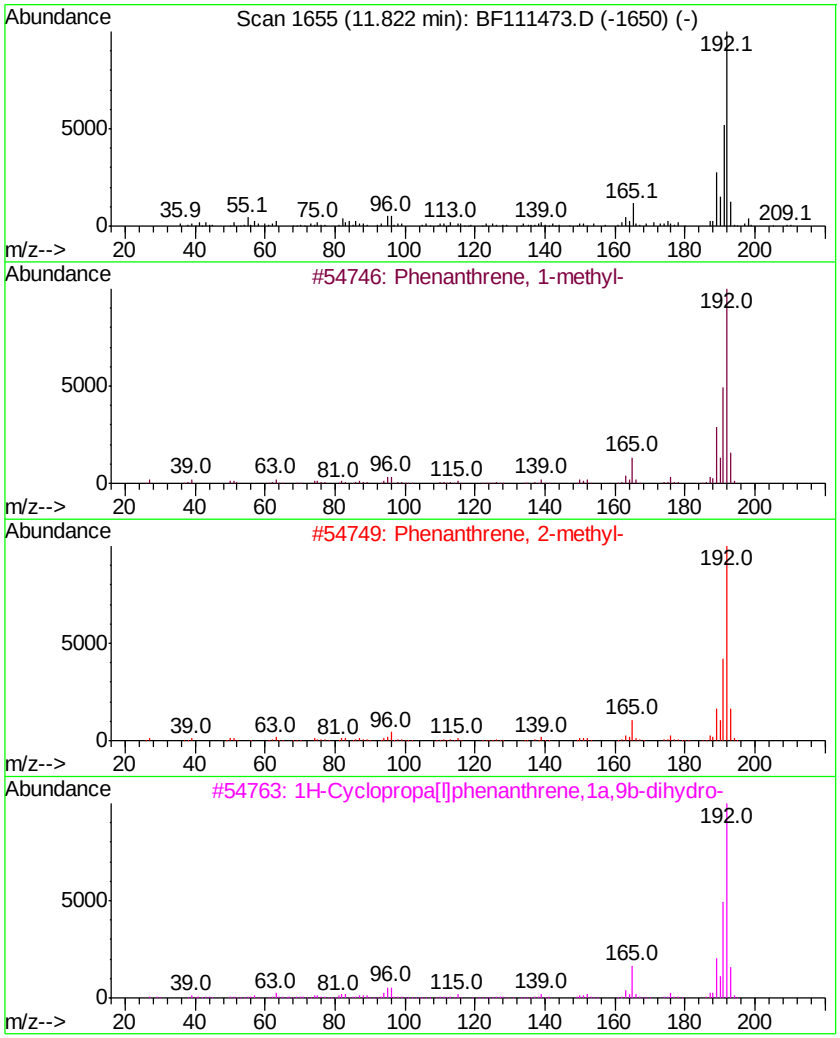
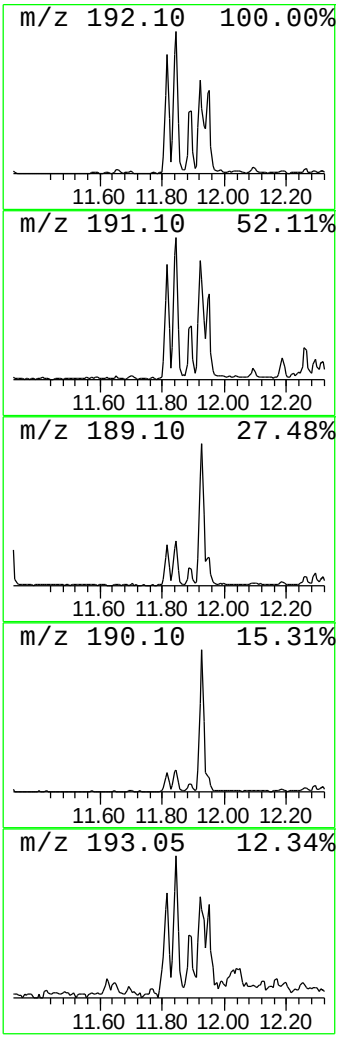
Peak Number 7 Phenanthrene, 1-methyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.82	4.16 ng	236179	Phenanthrene-d10	11.31

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





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Sample : J6316-21
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : BORING-SAMPLE-STEAL-WELL-YA

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF121418.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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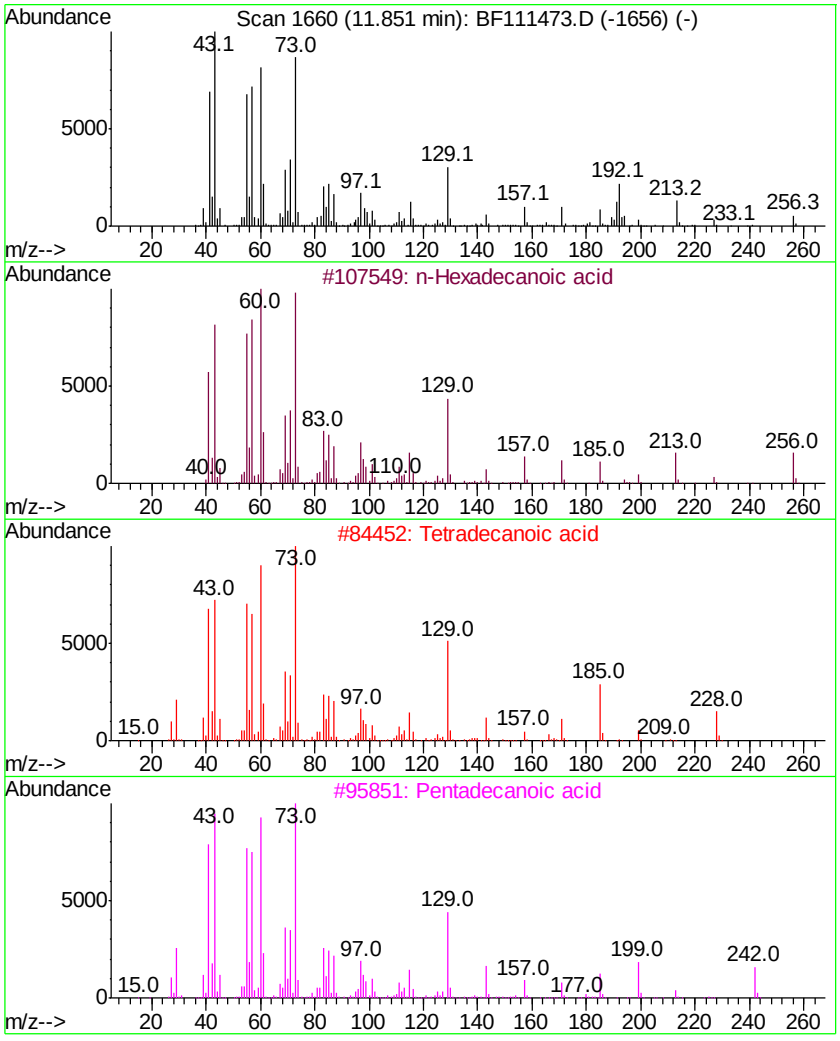
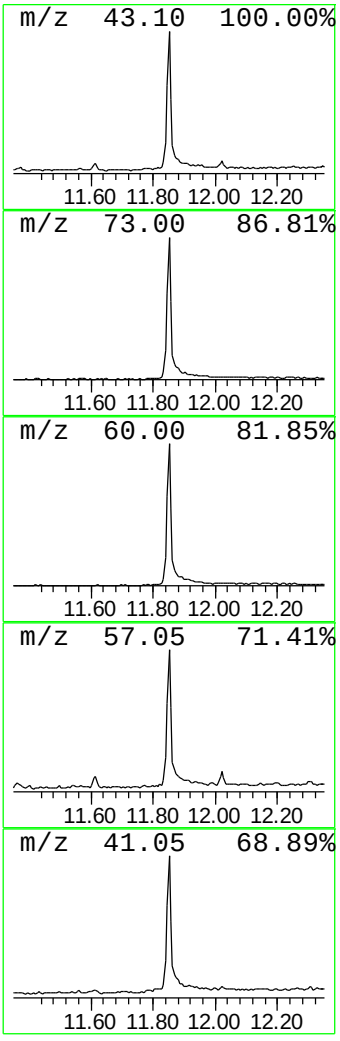
Peak Number 8 n-Hexadecanoic acid Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.85	25.23 ng	1430620	Phenanthrene-d10	11.31

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	99
2	Tetradecanoic acid	228	C14H28O2	000544-63-8	94
3	Pentadecanoic acid	242	C15H30O2	001002-84-2	76
4	Undecanoic acid	186	C11H22O2	000112-37-8	70
5	Tridecanoic acid	214	C13H26O2	000638-53-9	68





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ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : BORING-SAMPLE-STEAL-WELL-YA

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF121418.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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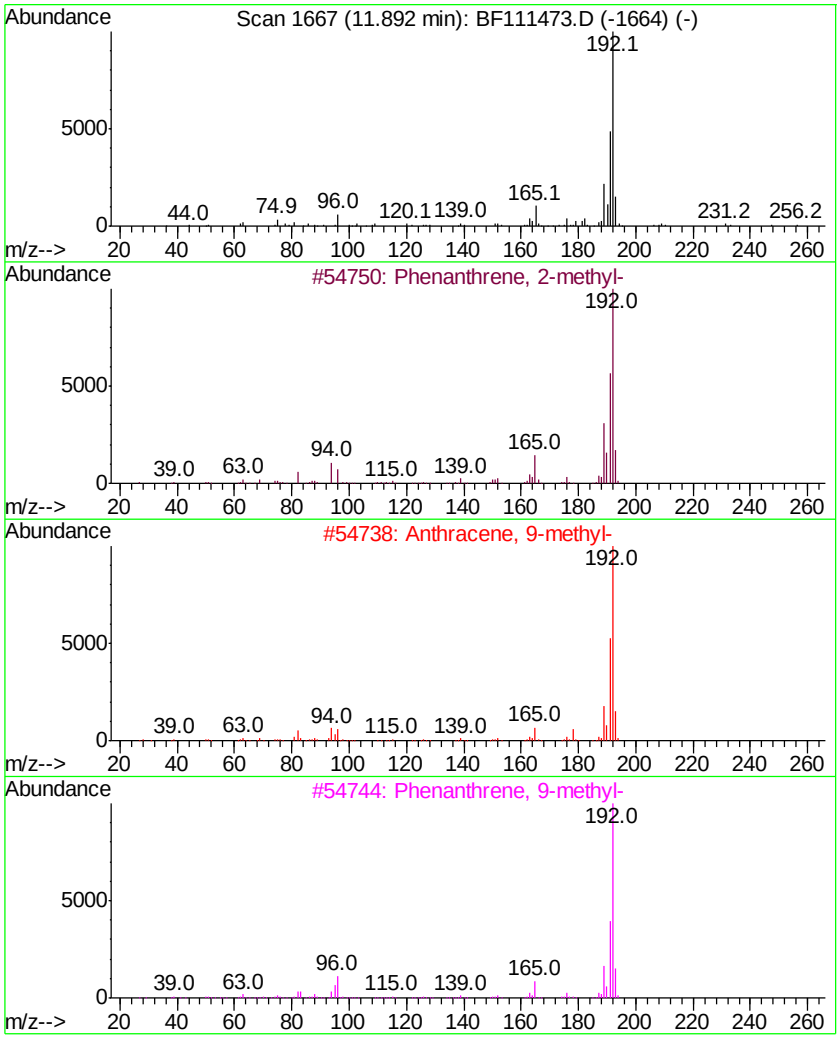
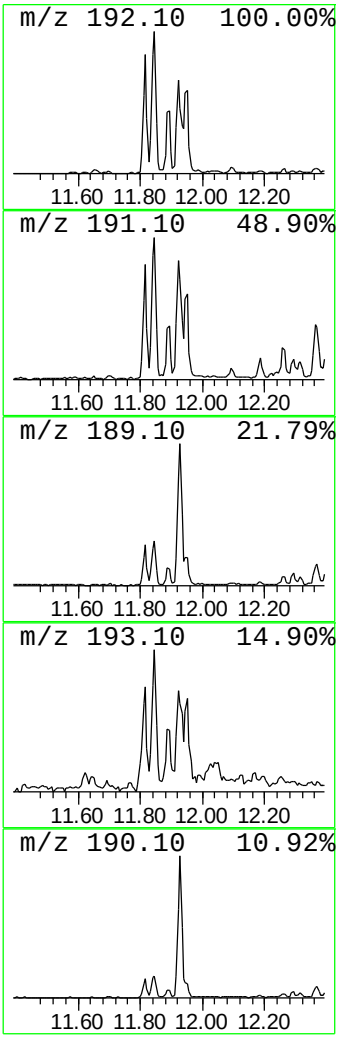
Peak Number 9 Phenanthrene, 2-methyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.89	3.72 ng	210753	Phenanthrene-d10	11.31

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	91
2	Anthracene, 9-methyl-	192	C15H12	000779-02-2	91
3	Phenanthrene, 9-methyl-	192	C15H12	000883-20-5	90
4	Phenanthrene, 3-methyl-	192	C15H12	000832-71-3	87
5	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	81





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Acq On : 15 Dec 2018 17:20
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Sample : J6316-21
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : BORING-SAMPLE-STEAL-WELL-YA

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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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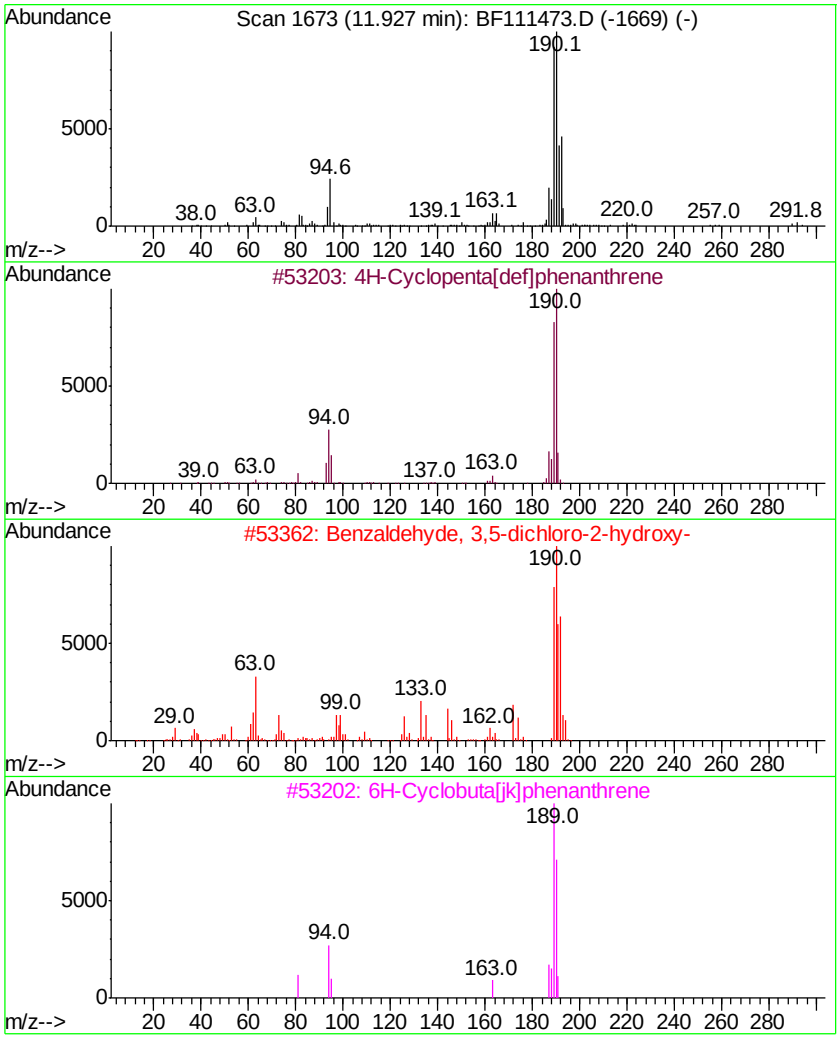
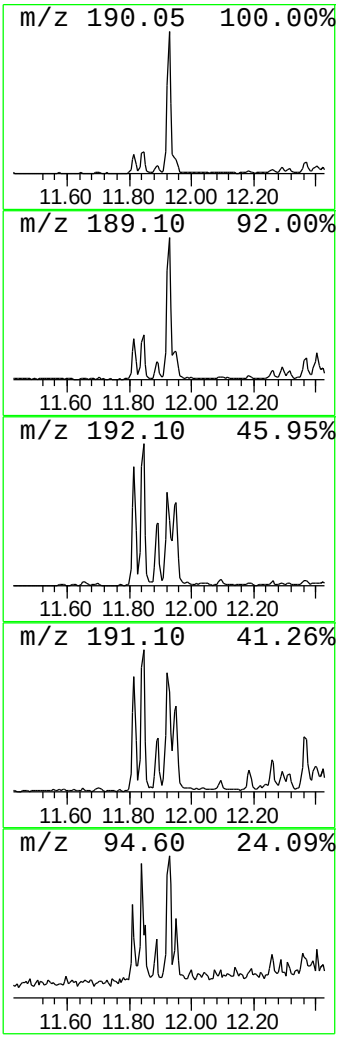
Peak Number 10 4H-Cyclopenta[def]phenanthrene Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.93	8.69 ng	492972	Phenanthrene-d10	11.31

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	93
2	Benzaldehyde, 3,5-dichloro-2-hyd...	190	C7H4Cl2O2	000090-60-8	50
3	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	40
4	2,2'-Bis(4,5-dimethylimidazole)	190	C10H14N4	069286-06-2	38
5	Methyl diselenide	190	C2H6Se2	007101-31-7	27





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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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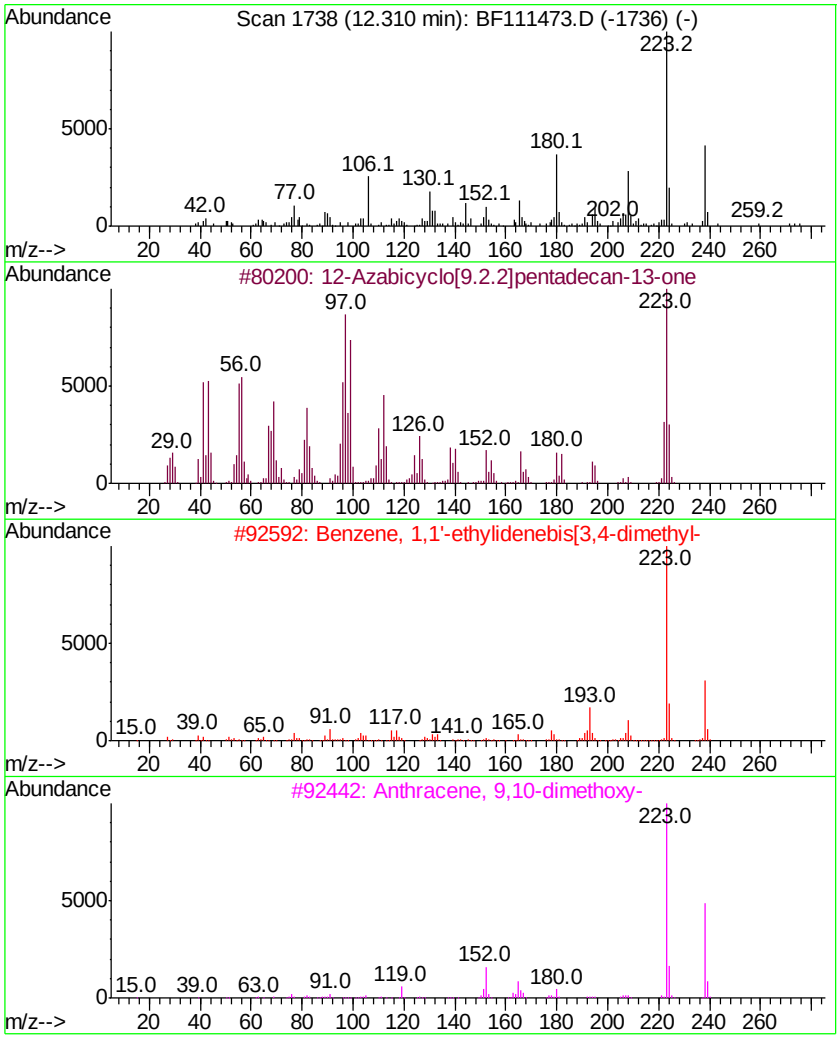
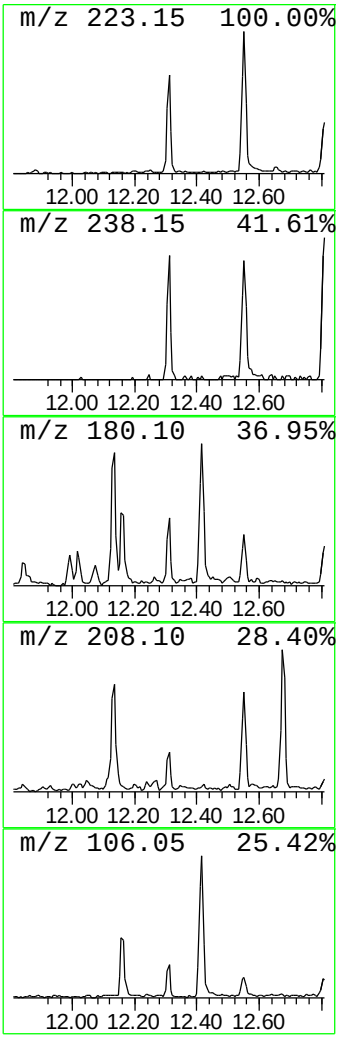
Peak Number 11 12-Azabicyclo[9.2.2]pentade... Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.31	3.12 ng	176867	Phenanthrene-d10	11.31

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	12-Azabicyclo[9.2.2]pentadecan-1...	223	C14H25NO	1000191-26-7	95
2	Benzene, 1,1'-ethylidenebis[3,4-...	238	C18H22	001742-14-9	70
3	Anthracene, 9,10-dimethoxy-	238	C16H14O2	002395-97-3	64
4	Ethane, 1-(2,3-xylyl)-1-(3,4-xyl...	238	C18H22	002816-98-0	64
5	3,4'-Diisopropylbiphenyl	238	C18H22	061434-46-6	58





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Instrument : BNA_F
ClientSampleId : BORING-SAMPLE-STEAL-WELL-YA

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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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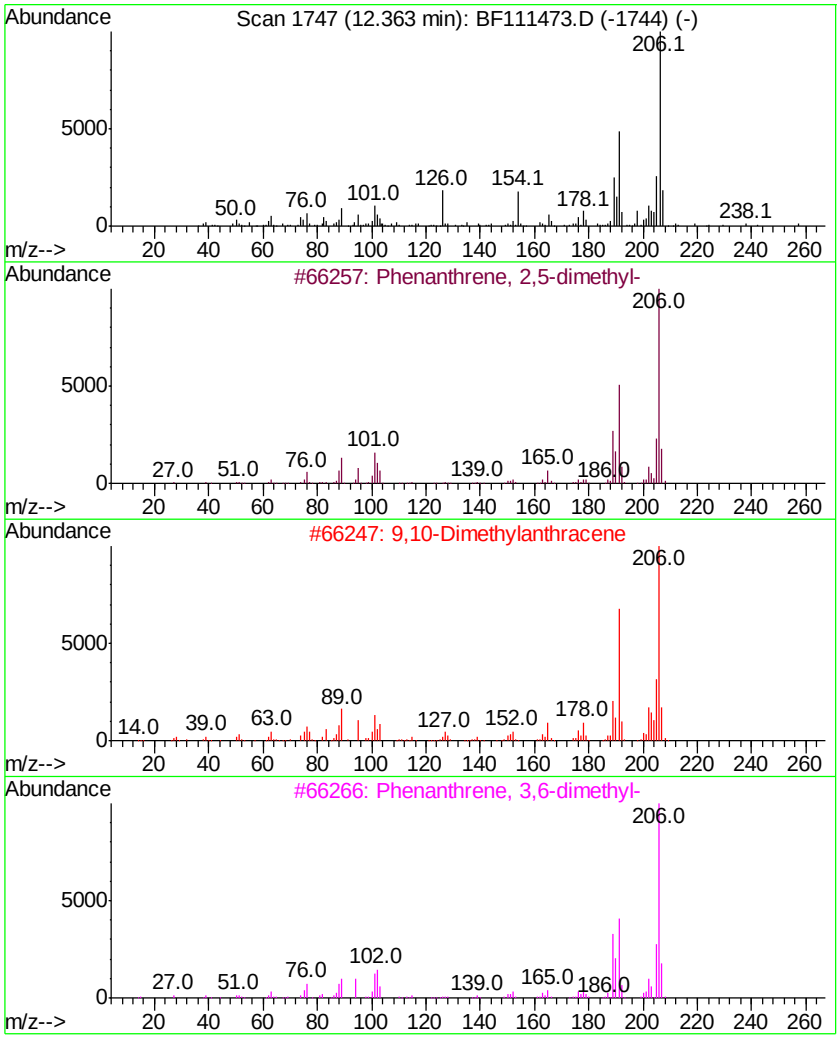
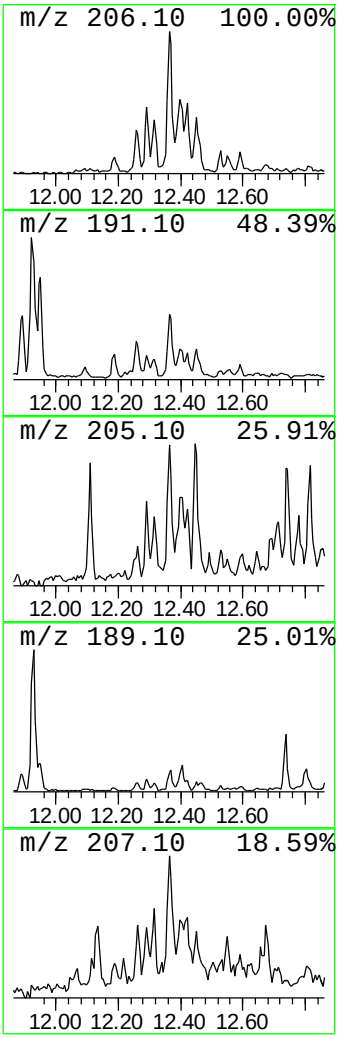
Peak Number 12 Phenanthrene, 2,5-dimethyl- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.36	3.44 ng	195100	Phenanthrene-d10	11.31

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	96
2	9,10-Dimethylanthracene	206	C16H14	000781-43-1	93
3	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	93
4	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	90
5	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	89





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Sample : J6316-21
Misc :
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Instrument : BNA_F
ClientSampleId : BORING-SAMPLE-STEAL-WELL-YA

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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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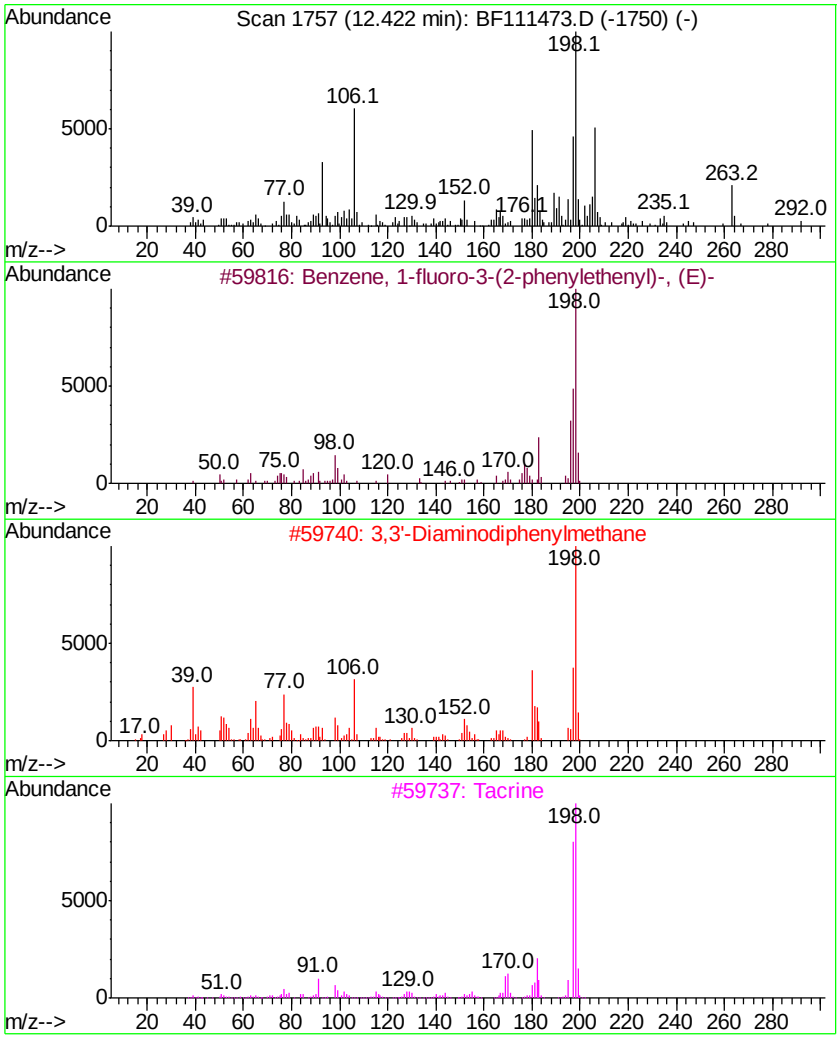
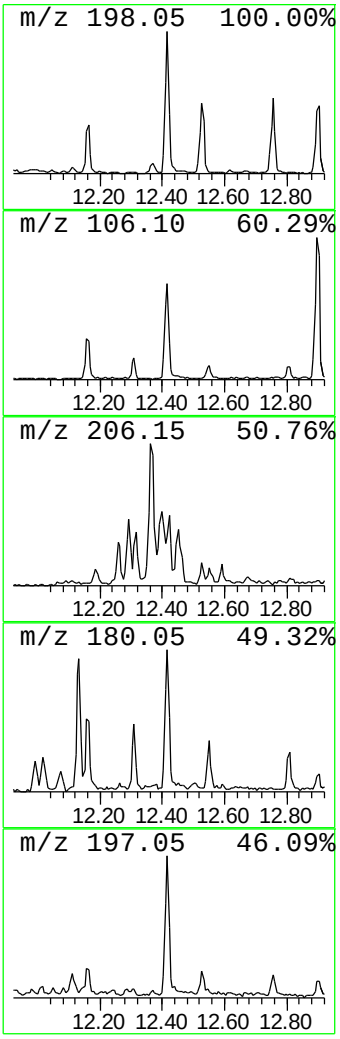
Peak Number 13 Benzene, 1-fluoro-3-(2-phen... Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.42	7.31 ng	414423	Phenanthrene-d10	11.31

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-fluoro-3-(2-phenyleth...	198	C14H11F	003041-81-4	50
2	3,3'-Diaminodiphenylmethane	198	C13H14N2	019471-12-6	50
3	Tacrine	198	C13H14N2	000321-64-2	46
4	Benzenamine, 4,4'-methylenebis-	198	C13H14N2	000101-77-9	45
5	Pyridine, 4,4'-(1,3-propanediyl)...	198	C13H14N2	017252-51-6	43





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Sample : J6316-21
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ClientSampleId :
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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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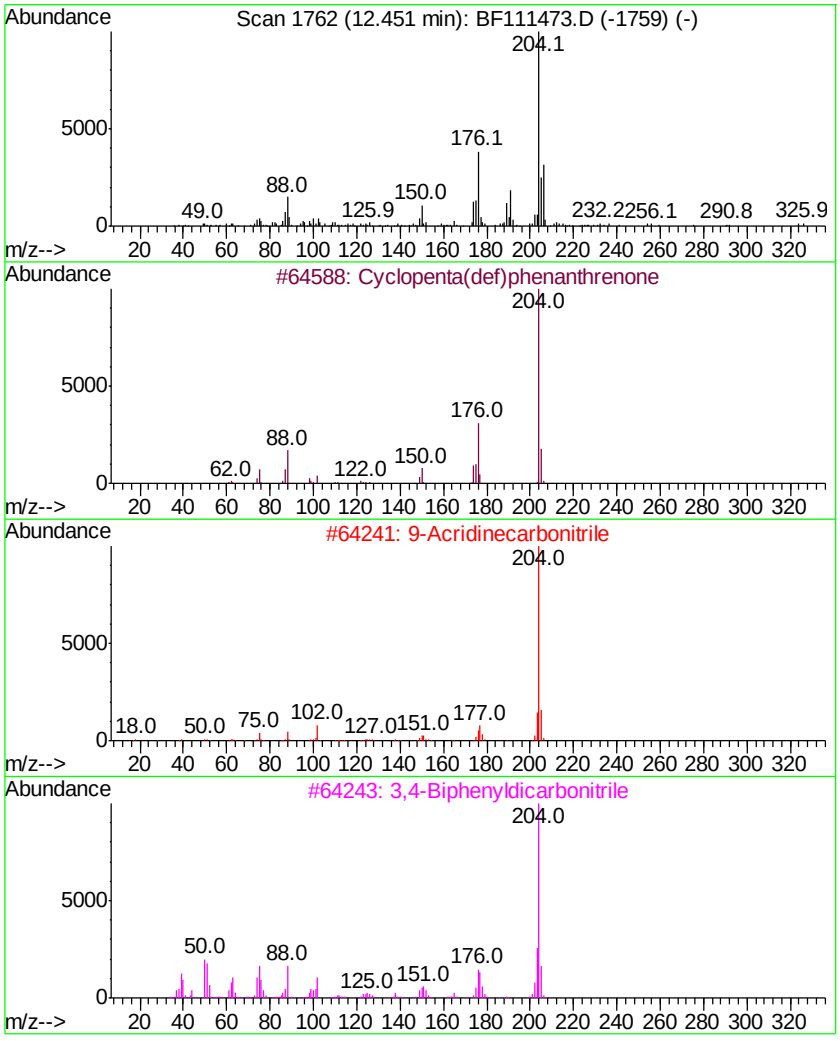
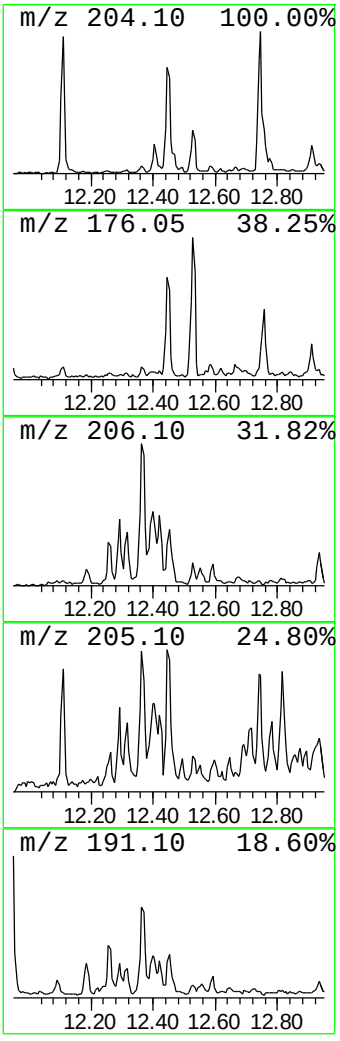
Peak Number 14 Cyclopenta(def)phenanthrenone Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.45	3.40 ng	192792	Phenanthrene-d10	11.31

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	96
2	9-Acridinecarbonitrile	204	C14H8N2	005326-19-2	43
3	3,4-Biphenyldicarbonitrile	204	C14H8N2	004128-63-6	40
4	Acephenanthrylene, 4,5-dihydro-	204	C16H12	006232-48-0	38
5	Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	38





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Sample : J6316-21
Misc :
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Instrument : BNA_F
ClientSampleId : BORING-SAMPLE-STEAL-WELL-YA

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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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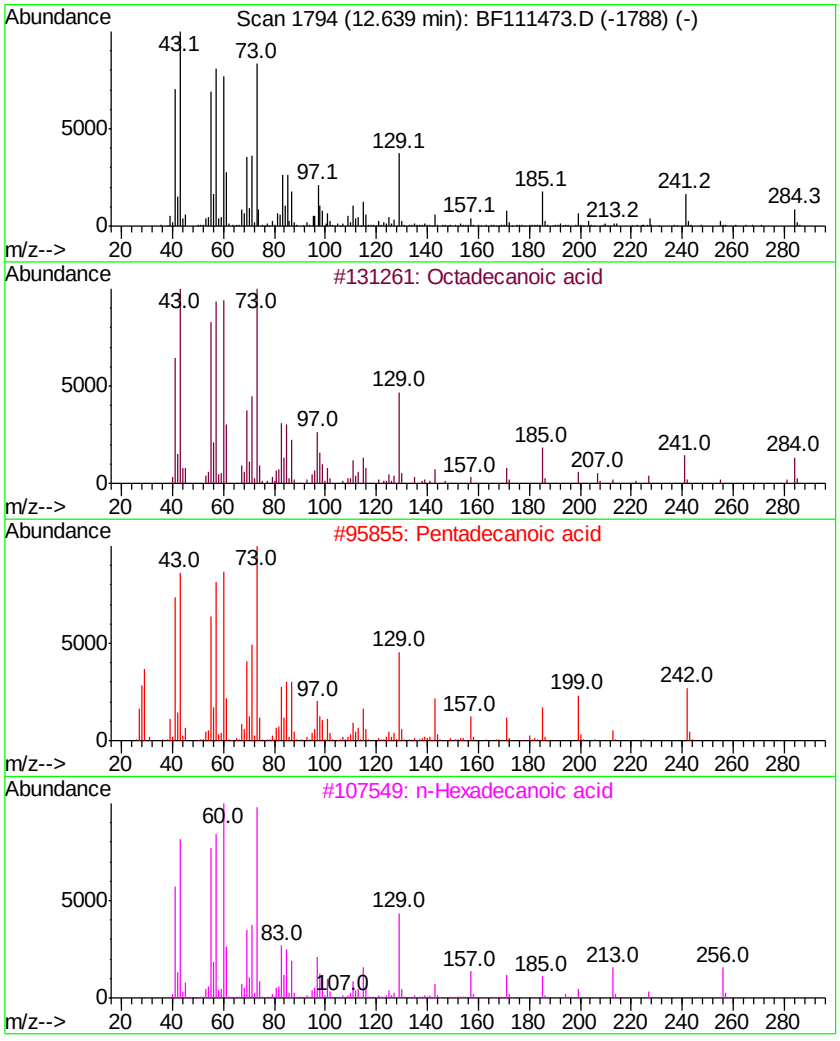
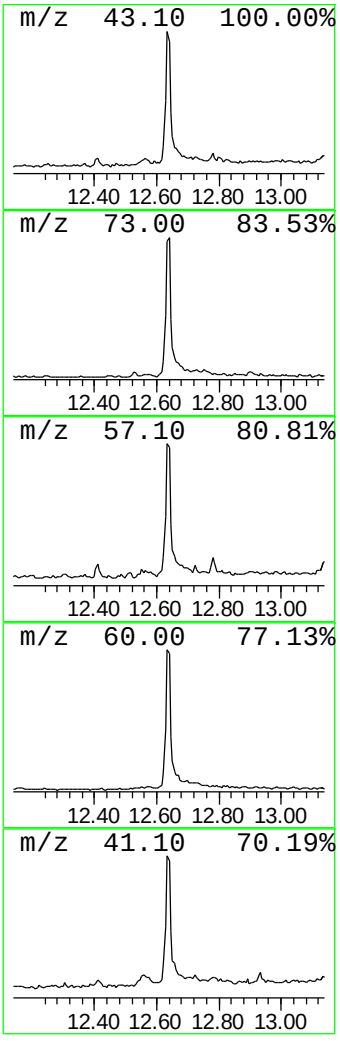
Peak Number 15 Octadecanoic acid Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.64	7.92 ng	1228250	Chrysene-d12	13.96

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octadecanoic acid	284	C18H36O2	000057-11-4	99
2	Pentadecanoic acid	242	C15H30O2	001002-84-2	89
3	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	83
4	Tetradecanoic acid	228	C14H28O2	000544-63-8	74
5	Octadecanoic acid, 2-(2-hydroxye...	372	C22H44O4	000106-11-6	72





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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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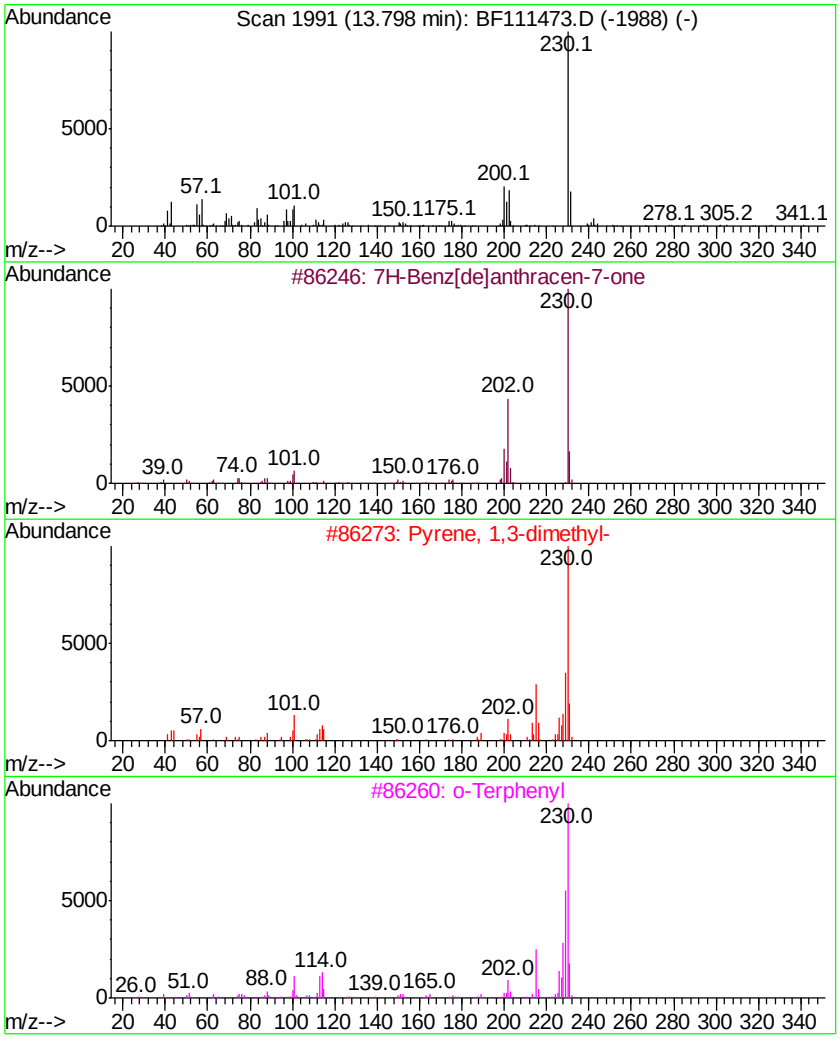
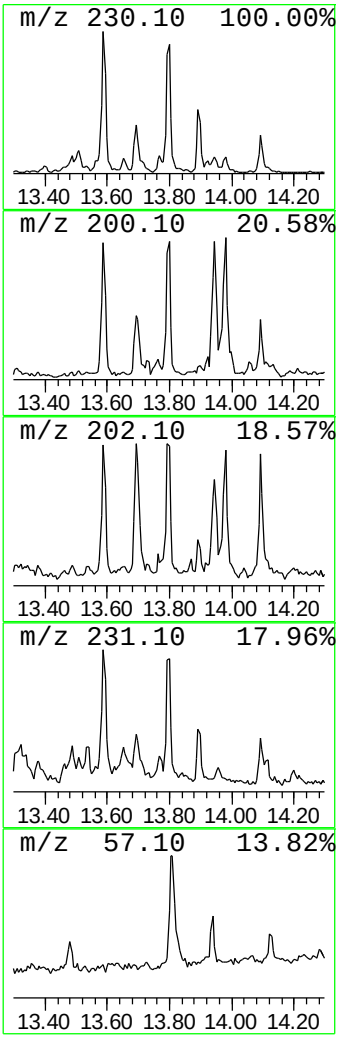
Peak Number 16 7H-Benz[de]anthracen-7-one Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.80	3.71 ng	575959	Chrysene-d12	13.96

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	7H-Benz[delanthracen-7-one	230	C17H10O	000082-05-3	90
2	Pyrene, 1,3-dimethyl-	230	C18H14	064401-21-4	53
3	o-Terphenyl	230	C18H14	000084-15-1	53
4	Benzo(b)phenazine	230	C16H10N2	000257-97-6	50
5	p-Terphenyl	230	C18H14	000092-94-4	47





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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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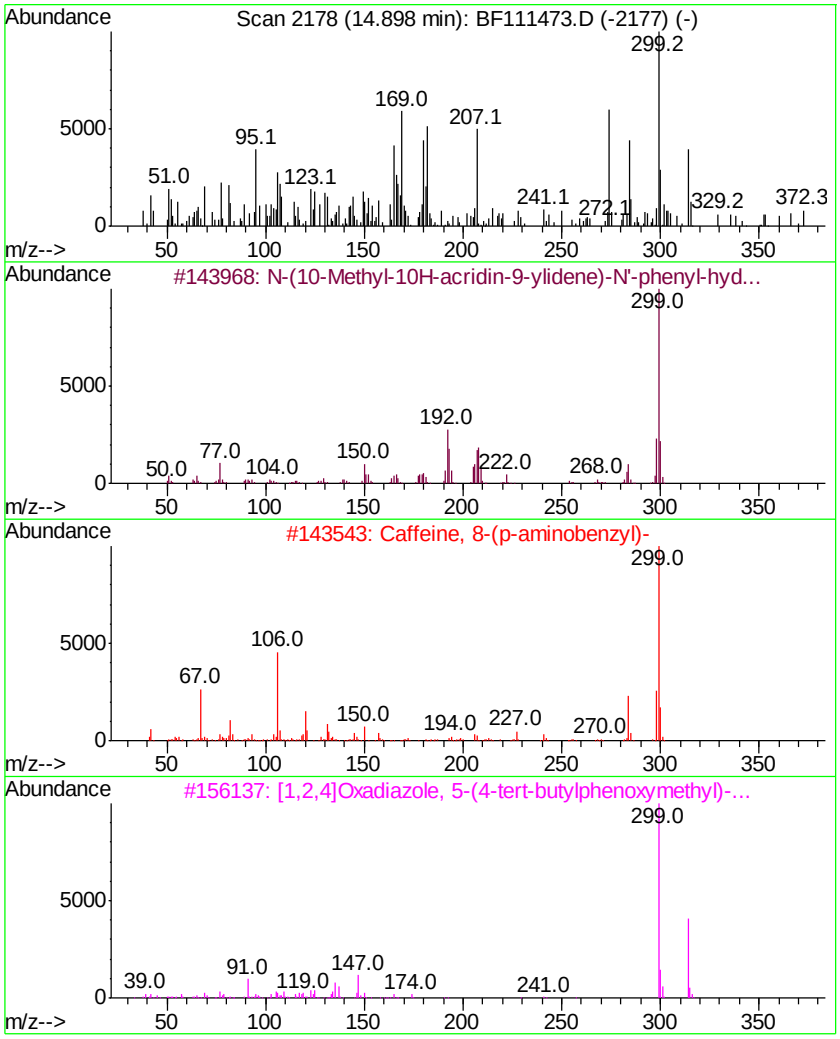
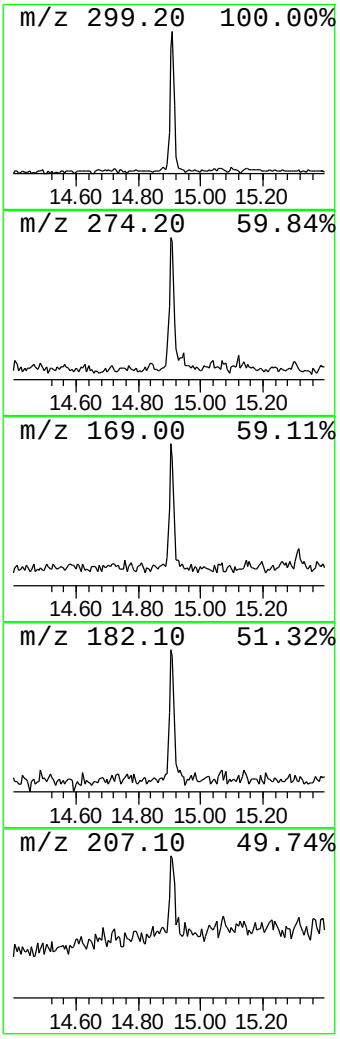
Peak Number 17 unknown14.90 Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.90	7.96 ng	303423	Perylene-d12	15.40

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	N-(10-Methyl-10H-acridin-9-ylide...	299	C20H17N3	1000286-25-6	22
2	Caffeine, 8-(p-aminobenzyl)-	299	C15H17N5O2	005426-89-1	22
3	[1,2,4]Oxadiazole, 5-(4-tert-but...	314	C17H18N2O2S	1000304-93-9	16
4	Thieno[2,3-d]pyrimidin-4(3H)-one...	314	C16H14N2OS2	327170-57-0	16
5	Propanamide, N-(2,5-dimethoxyphe...	299	C11H10F5NO3	1000307-33-4	16





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Data File : BF111473.D
Acq On : 15 Dec 2018 17:20
Operator : JU/SJ
Sample : J6316-21
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : BORING-SAMPLE-STEAL-WELL-YA

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF121418.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

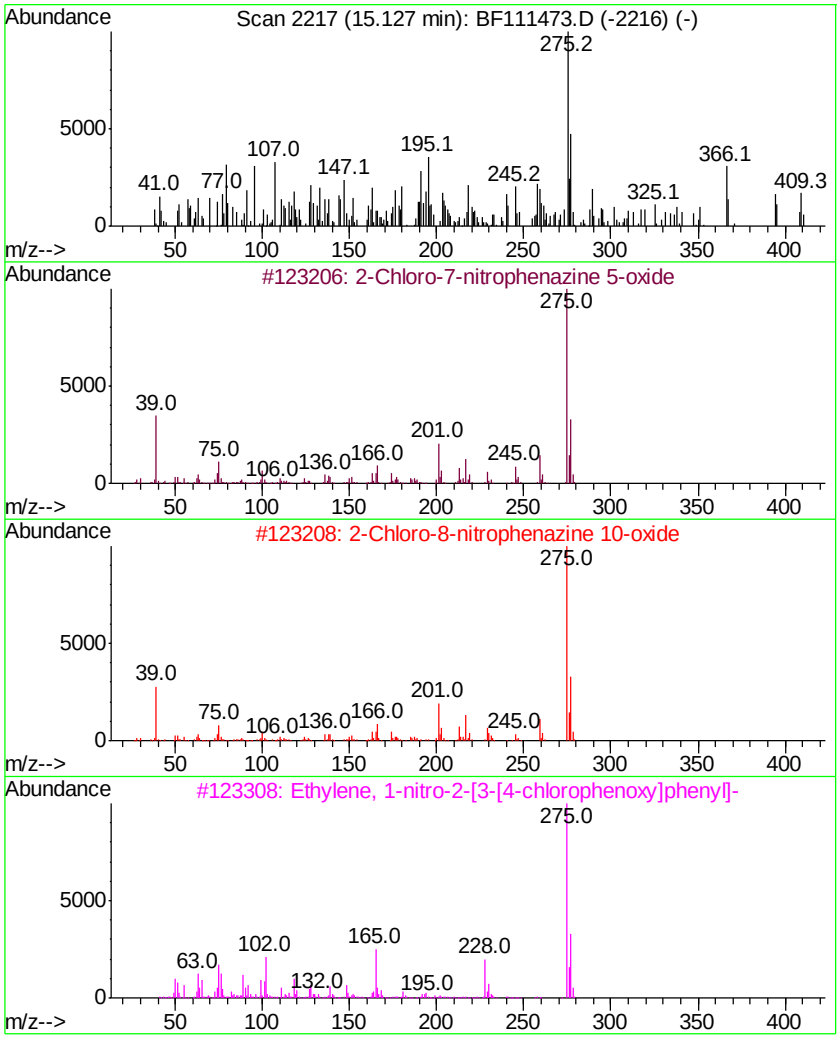
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

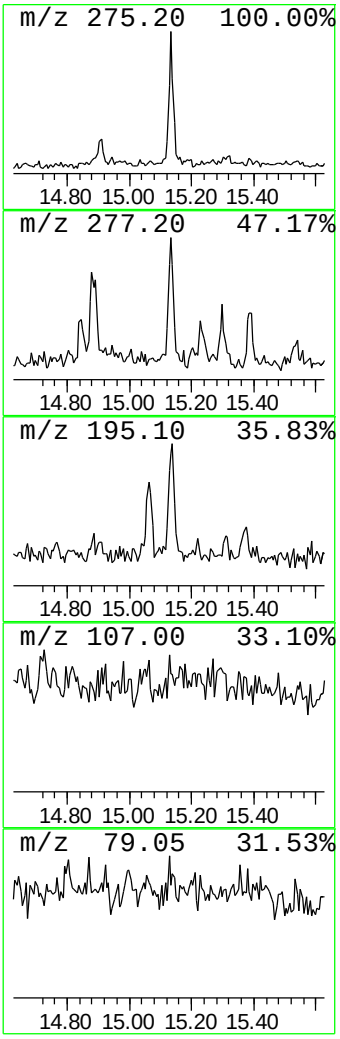
****

Peak Number 19 unknown15.13 Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.13	3.84 ng	146315	Perylene-d12	15.40

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Chloro-7-nitrophenazine 5-oxide	275	C12H6ClN3O3	023663-49-2	41
2	2-Chloro-8-nitrophenazine 10-oxide	275	C12H6ClN3O3	105905-24-6	38
3	Ethylene, 1-nitro-2-[3-[4-chloro...	275	C14H10ClNO3	1000126-14-8	35
4	1-Chloro-7-nitrophenazine 5-oxide	275	C12H6ClN3O3	023663-48-1	35
5	Terephthalic acid, 4-isopropylph...	410	C26H34O4	1000323-63-9	27





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF121518\
Data File : BF111473.D
Acq On : 15 Dec 2018 17:20
Operator : JU/SJ
Sample : J6316-21
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : BORING-SAMPLE-STEAL-WELL-YA

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF121418.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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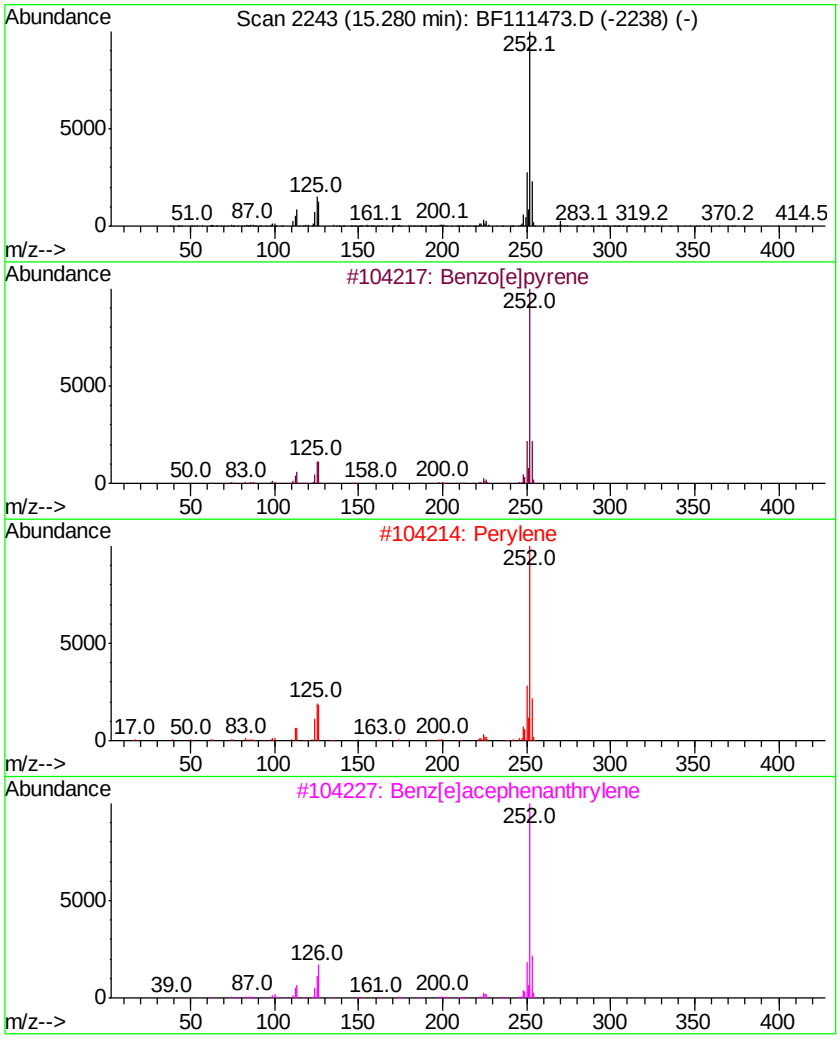
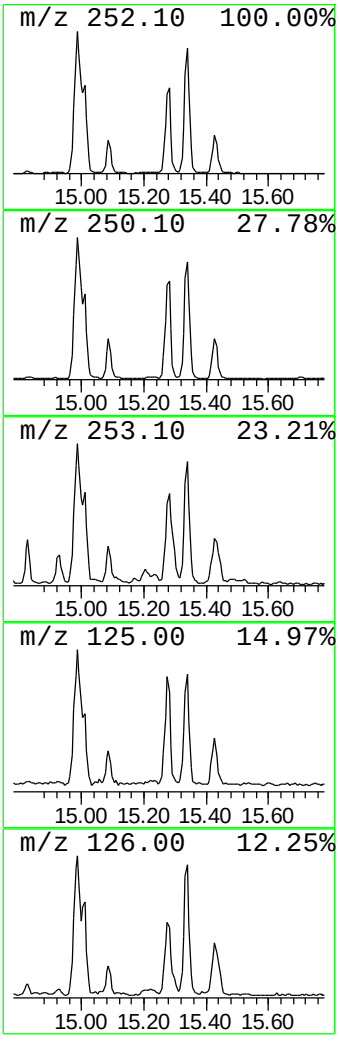
Peak Number 20 Benzo[e]pyrene Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.28	31.19 ng	1189090	Perylene-d12	15.40

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





Tentatively Identified Compound (LSC) summary

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF121518\
Data File : BF111473.D
Acq On : 15 Dec 2018 17:20
Operator : JU/SJ
Sample : J6316-21
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : BORING-SAMPLE-STEAL-WELL-YA

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF121418.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
2-Pentanone, 4-hy...	5.01	4.2	ng	246138	1	6.79	1184220	20.0
unknown6.57	6.57	82.3	ng	4872870	1	6.79	1184220	20.0
Bicyclo[2.2.1]hep...	7.61	5.4	ng	402430	2	8.07	1489170	20.0
Cyclohexanemethan...	7.80	6.4	ng	479057	2	8.07	1489170	20.0
(+)-Borneol	7.98	8.2	ng	608301	2	8.07	1489170	20.0
Phenanthrene, 1-m...	11.82	4.2	ng	236179	4	11.31	1134250	20.0
n-Hexadecanoic acid	11.85	25.2	ng	1430620	4	11.31	1134250	20.0
Phenanthrene, 2-m...	11.89	3.7	ng	210753	4	11.31	1134250	20.0
4H-Cyclopenta[def...	11.93	8.7	ng	492972	4	11.31	1134250	20.0
12-Azabicyclo[9.2...	12.31	3.1	ng	176867	4	11.31	1134250	20.0
Phenanthrene, 2,5...	12.36	3.4	ng	195100	4	11.31	1134250	20.0
Benzene, 1-fluoro...	12.42	7.3	ng	414423	4	11.31	1134250	20.0
Cyclopenta(def)ph...	12.45	3.4	ng	192792	4	11.31	1134250	20.0
Octadecanoic acid	12.64	7.9	ng	1228250	5	13.96	3101210	20.0
7H-Benz[de]anthra...	13.80	3.7	ng	575959	5	13.96	3101210	20.0
unknown14.90	14.90	8.0	ng	303423	6	15.40	762480	20.0
unknown15.13	15.13	3.8	ng	146315	6	15.40	762480	20.0
Benzo[e]pyrene	15.28	31.2	ng	1189090	6	15.40	762480	20.0