LSC Area Percent Report

Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA F\DATA\BF090117\
Data File : BF098232.D
Acq On : 1 Sep 2017 17:45
Operator : SJ/JU
Sample : I5049-01 5X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TR-04-083017

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-BF081517.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	4.893	474	477	484	rBV	48465	53663	2.96%	0.273%
2	5.322	546	550	564	rBV	620843	647041	35.68%	3.297%
3	6.351	722	725	733	rBV	696373	679789	37.49%	3.464%
4	6.487	744	748	751	rBV	777440	670229	36.96%	3.415%
5	6.716	784	787	791	rBV	758431	650631	35.88%	3.316%
6	6.875	810	814	823	rBV	554287	505063	27.85%	2.574%
7	7.281	879	883	888	rBV	445408	379950	20.95%	1.936%
8	8.004	1000	1006	1012	rBV	849903	822253	45.35%	4.190%
9	9.075	1185	1188	1198	rVB	766968	632587	34.89%	3.224%
10	9.345	1229	1234	1237	rBV2	28084	34976	1.93%	0.178%
11	9.410	1242	1245	1248	rBV	40209	38184	2.11%	0.195%
12	9.475	1252	1256	1260	rVB2	81821	84184	4.64%	0.429%
13	9.616	1276	1280	1285	rBV	83419	80125	4.42%	0.408%
14	9.751	1297	1303	1307	rBV	816106	724048	39.93%	3.690%
15	9.786	1307	1309	1317	rVB4	22452	32205	1.78%	0.164%
16	9.957	1335	1338	1342	rBV	29731	26924	1.48%	0.137%
17	9.998	1342	1345	1351	rVB2	28591	30847	1.70%	0.157%
18	10.069	1353	1357	1360	rBV	28366	29220	1.61%	0.149%
19	10.298	1393	1396	1401	rVB3	38663	45114	2.49%	0.230%
20	10.539	1431	1437	1442	rBV	275819	255606	14.10%	1.303%
21	10.663	1454	1458	1462	rBV3	38966	45048	2.48%	0.230%
22	10.763	1472	1475	1478	rVB	34643	26725	1.47%	0.136%
23	10.845	1485	1489	1492	rBV2	28391	34893	1.92%	0.178%
24	11.133	1535	1538	1542	rVB2	22389	25280	1.39%	0.129%
25	11.233	1552	1555	1557	rBV	684787	565586	31.19%	2.882%
26	11.257	1557	1559	1563	rVV	317884	249246	13.75%	1.270%
27	11.310	1565	1568	1571	rVB	70023	56921	3.14%	0.290%
28	11.469	1592	1595	1601	rBV6	13993	25152	1.39%	0.128%
29	11.557	1608	1610	1616	rVB3	83408	80035	4.41%	0.408%
30	11.633	1619	1623	1630	rVB	1262763	994683	54.86%	5.069%
31	11.733	1637	1640	1643	rBV	157649	143402	7.91%	0.731%
32	11.763	1643	1645	1650	rVB	225526	170992	9.43%	0.871%
33	11.810	1650	1653	1655	rBV	43938	35862	1.98%	0.183%
34	11.845	1655	1659	1661	rVV	157948	171553	9.46%	0.874%

LSC Area Percent Report

Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA F\DATA\BF090117\
Data File : BF098232.D
Acq On : 1 Sep 2017 17:45
Operator : SJ/JU
Sample : I5049-01 5X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TR-04-083017

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-BF081517.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	11.869	1661	1663	1670	rVB	115836	92637	5.11%	0.472%
36	12.033	1682	1691	1693	rBV3	58319	75972	4.19%	0.387%
37	12.057	1693	1695	1700	rVB2	29963	31467	1.74%	0.160%
38	12.180	1713	1716	1718	rVB	49300	37429	2.06%	0.191%
39	12.210	1718	1721	1723	rBV	105890	79836	4.40%	0.407%
40	12.233	1723	1725	1728	rVB	65576	53550	2.95%	0.273%
41	12.286	1730	1734	1736	rBV	181039	187850	10.36%	0.957%
42	12.316	1736	1739	1741	rBV	1315830	1272634	70.19%	6.485%
43	12.339	1741	1743	1746	rVB	2363802	1813204	100.00%	9.240%
44	12.422	1754	1757	1759	rBV	568022	477246	26.32%	2.432%
45	12.445	1759	1761	1764	rVB	363692	294262	16.23%	1.500%
46	12.510	1766	1772	1774	rBV4	34392	51394	2.83%	0.262%
47	12.539	1774	1777	1779	rVB	45936	38284	2.11%	0.195%
48	12.674	1794	1800	1802	rBV	484648	510565	28.16%	2.602%
49	12.698	1802	1804	1806	rVV	84301	78330	4.32%	0.399%
50	12.733	1806	1810	1813	rVB2	103534	111716	6.16%	0.569%
51	12.786	1813	1819	1821	rBV3	47088	84704	4.67%	0.432%
52	12.816	1821	1824	1831	rVV	538906	505861	27.90%	2.578%
53	12.892	1834	1837	1844	rVB3	99226	173496	9.57%	0.884%
54	12.980	1849	1852	1853	rBV2	73254	85113	4.69%	0.434%
55	12.998	1853	1855	1861	rVV3	124642	168825	9.31%	0.860%
56	13.069	1861	1867	1870	rVV	99766	121277	6.69%	0.618%
57	13.104	1870	1873	1877	rVV	184078	163828	9.04%	0.835%
58	13.145	1877	1880	1883	rVV2	44501	50227	2.77%	0.256%
59	13.198	1885	1889	1891	rVV	126503	120817	6.66%	0.616%
60	13.227	1891	1894	1897	rVV	130381	114439	6.31%	0.583%
61	13.263	1897	1900	1904	rVB2	57541	63318	3.49%	0.323%
62	13.316	1905	1909	1911	rBV3	46398	50686	2.80%	0.258%
63	13.404	1920	1924	1925	rBV3	25208	30892	1.70%	0.157%
64	13.510	1939	1942	1946	rVB	94646	105177	5.80%	0.536%
65	13.569	1949	1952	1956	rVV3	114816	128850	7.11%	0.657%
66	13.610	1956	1959	1963	rVV4	67677	130046	7.17%	0.663%
67	13.645	1963	1965	1967	rVB	49274	36636	2.02%	0.187%
68	13.716	1975	1977	1981	rBV2	71296	71530	3.94%	0.365%
69	13.816	1991	1994	1996	rVB3	36668	33541	1.85%	0.171%
70	13.868	1998	2003	2005	rVV2	833188	958123	52.84%	4.882%
71	13.892	2005	2007	2015	rVB	261972	252769	13.94%	1.288%

LSC Area Percent Report

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Data File : BF098232.D
Acq On : 1 Sep 2017 17:45
Operator : SJ/JU
Sample : I5049-01 5X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TR-04-083017

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-BF081517.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

72	13.951	2015	2017	2019	rBV2	44542	38904	2.15%	0.198%
73	14.016	2025	2028	2029	rBV	32443	30237	1.67%	0.154%
74	14.151	2049	2051	2054	rVB2	32136	25460	1.40%	0.130%
75	14.216	2060	2062	2064	rBV	53594	48348	2.67%	0.246%
76	14.257	2064	2069	2072	rVV	137735	175664	9.69%	0.895%
77	14.286	2072	2074	2077	rVB	84291	63717	3.51%	0.325%
78	14.321	2078	2080	2082	rBV2	26584	29723	1.64%	0.151%
79	14.345	2082	2084	2087	rVB2	45866	39532	2.18%	0.201%
80	14.374	2087	2089	2092	rBV2	65369	66962	3.69%	0.341%
81	14.445	2097	2101	2104	rBV5	27712	52864	2.92%	0.269%
82	14.580	2122	2124	2130	rVB2	40431	56587	3.12%	0.288%
83	14.633	2131	2133	2136	rVV2	47094	56158	3.10%	0.286%
84	14.663	2136	2138	2142	rVB	51943	57055	3.15%	0.291%
85	14.880	2171	2175	2182	rBV	155368	277405	15.30%	1.414%
86	15.163	2220	2223	2228	rVB	105200	133276	7.35%	0.679%
87	15.221	2230	2233	2239	rVB	146986	169653	9.36%	0.865%
88	15.286	2239	2244	2247	rBV	361112	473727	26.13%	2.414%
89	16.868	2510	2513	2519	rBV7	24904	47310	2.61%	0.241%
90	17.062	2542	2546	2552	rVB	44400	76534	4.22%	0.390%

Sum of corrected areas: 19623664

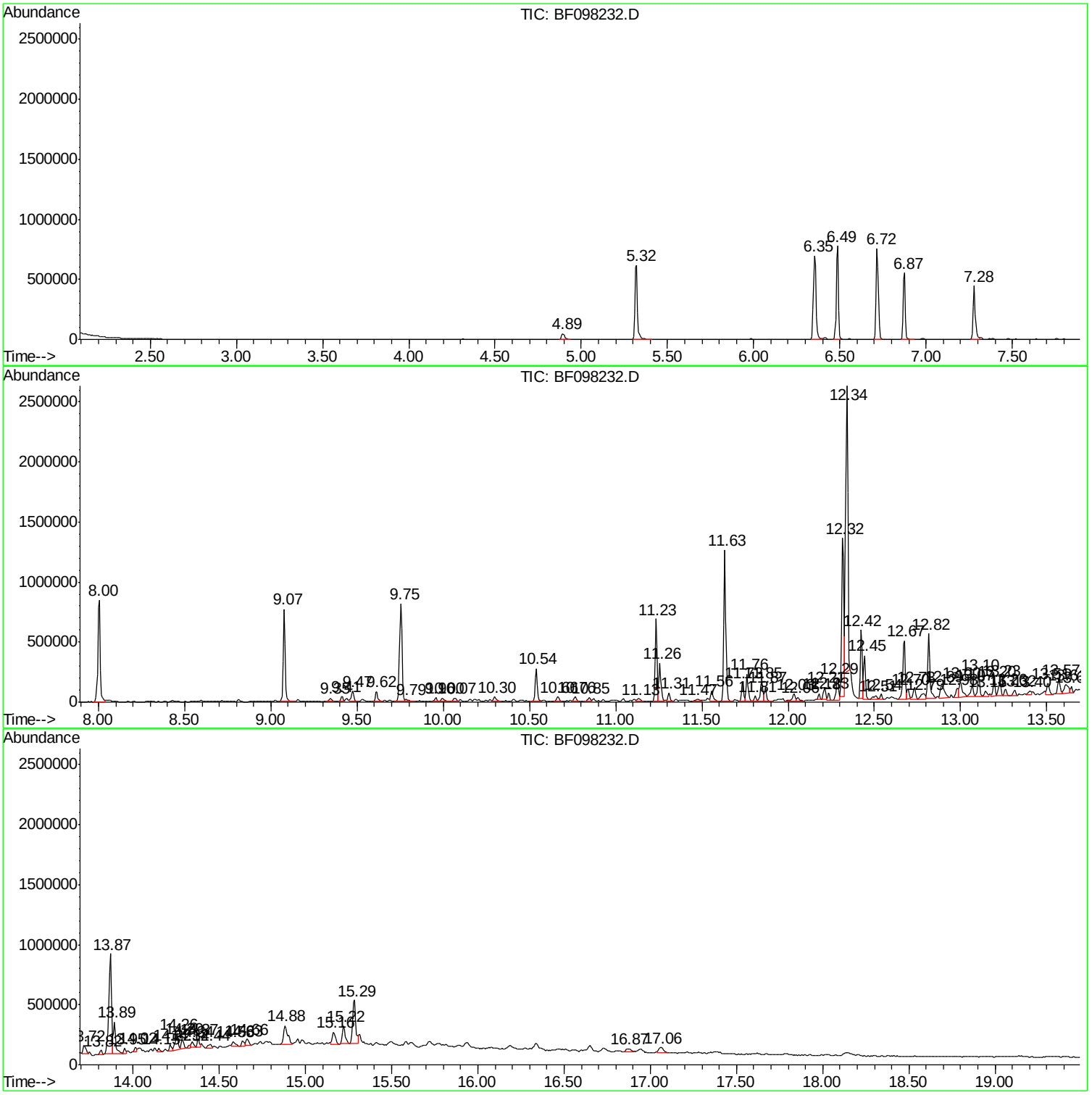
LSC Report - Integrated Chromatogram

Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA F\DATA\BF090117\
Data File : BF098232.D
Acq On : 1 Sep 2017 17:45
Operator : SJ/JU
Sample : I5049-01 5X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TR-04-083017

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF081517.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 : \\74.0.250.170\SVOASRV\HPCHEM1\BNA F\DATA\BF090117\
Data File : BF098232.D
Acq On : 1 Sep 2017 17:45
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Misc :
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Instrument : BNA_F
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Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF081517.M
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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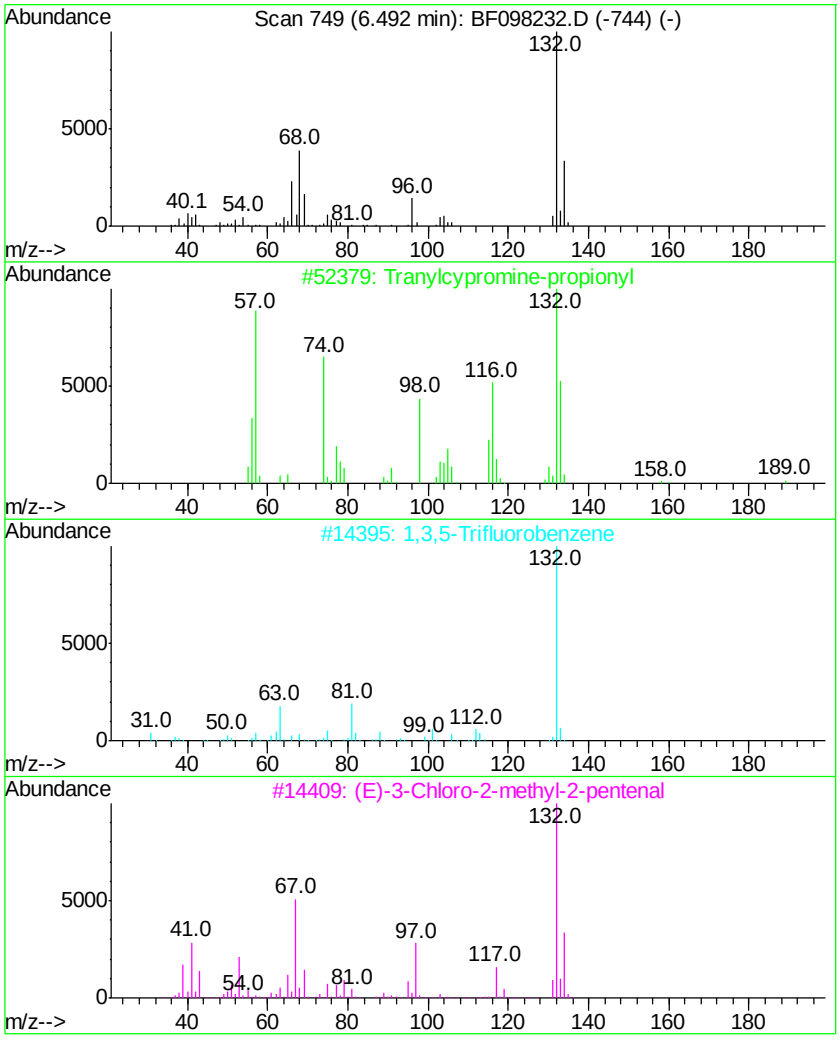
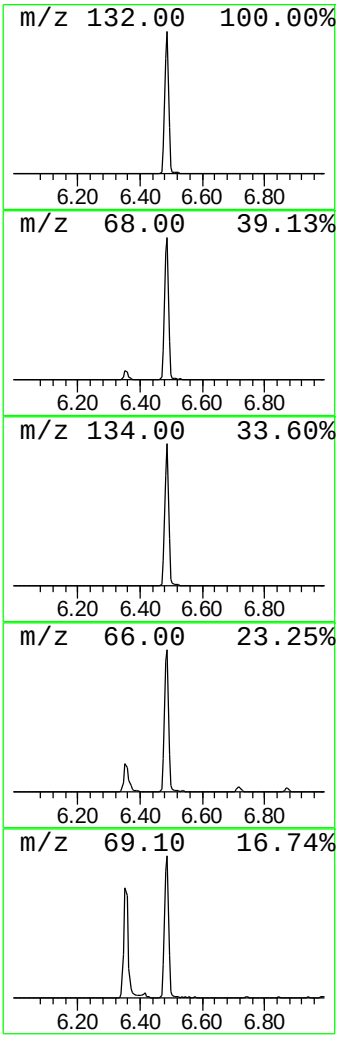
Peak Number 1 unknown6.49 Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.49	20.60 ng	670229	1,4-Dichlorobenzene-d4	6.72

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tranylcypromine-propionyl	189	C12H15NO	1000123-86-3	10
2	1,3,5-Trifluorobenzene	132	C6H3F3	000372-38-3	9
3	(E)-3-Chloro-2-methyl-2-pentenal	132	C6H9ClO	031357-76-3	9
4	Bicyclo[4.2.0]octa-1,3,5-triene,...	132	C10H12	028749-81-7	9
5	Xenon	132	Xe	007440-63-3	9





Library Search Compound Report

Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA F\DATA\BF090117\
Data File : BF098232.D
Acq On : 1 Sep 2017 17:45
Operator : SJ/JU
Sample : I5049-01 5X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TR-04-083017

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF081517.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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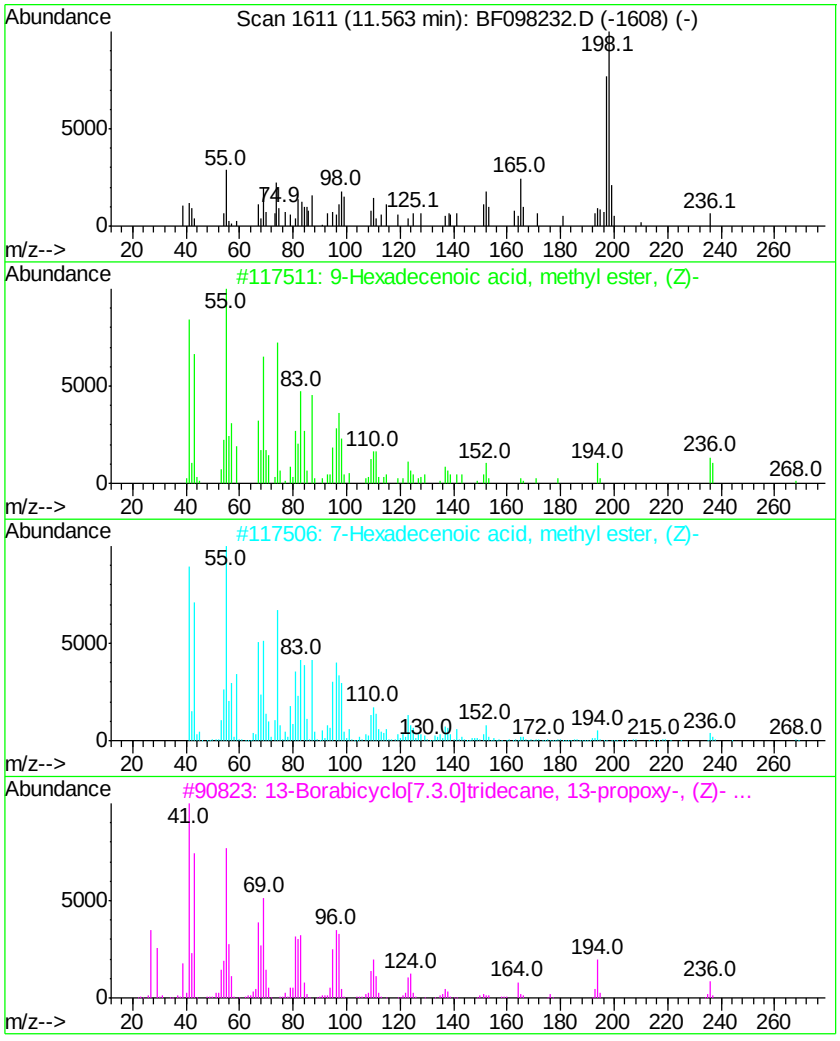
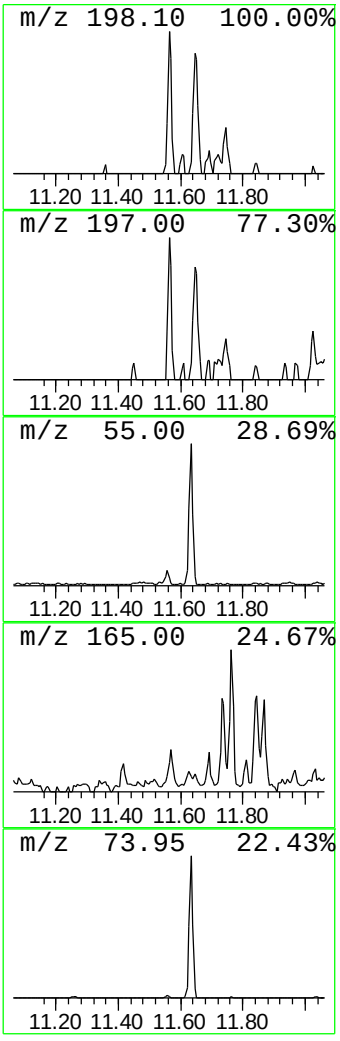
Peak Number 3 unknown11.56 Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.56	2.83 ng	80035	Phenanthrene-d10	11.23

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9-Hexadecenoic acid, methyl este...	268	C17H32O2	001120-25-8	46
2	7-Hexadecenoic acid, methyl este...	268	C17H32O2	056875-67-3	43
3	13-Borabicyclo[7.3.0]tridecane, ...	236	C15H29BO	1000156-41-7	35
4	Decyl trifluoroacetate	254	C12H21F3O2	000333-88-0	27
5	Cyclopentaneethanol, .beta.,2,3-...	156	C10H20O	021721-18-6	27





Library Search Compound Report

Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA F\DATA\BF090117\
Data File : BF098232.D
Acq On : 1 Sep 2017 17:45
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Sample : I5049-01 5X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TR-04-083017

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF081517.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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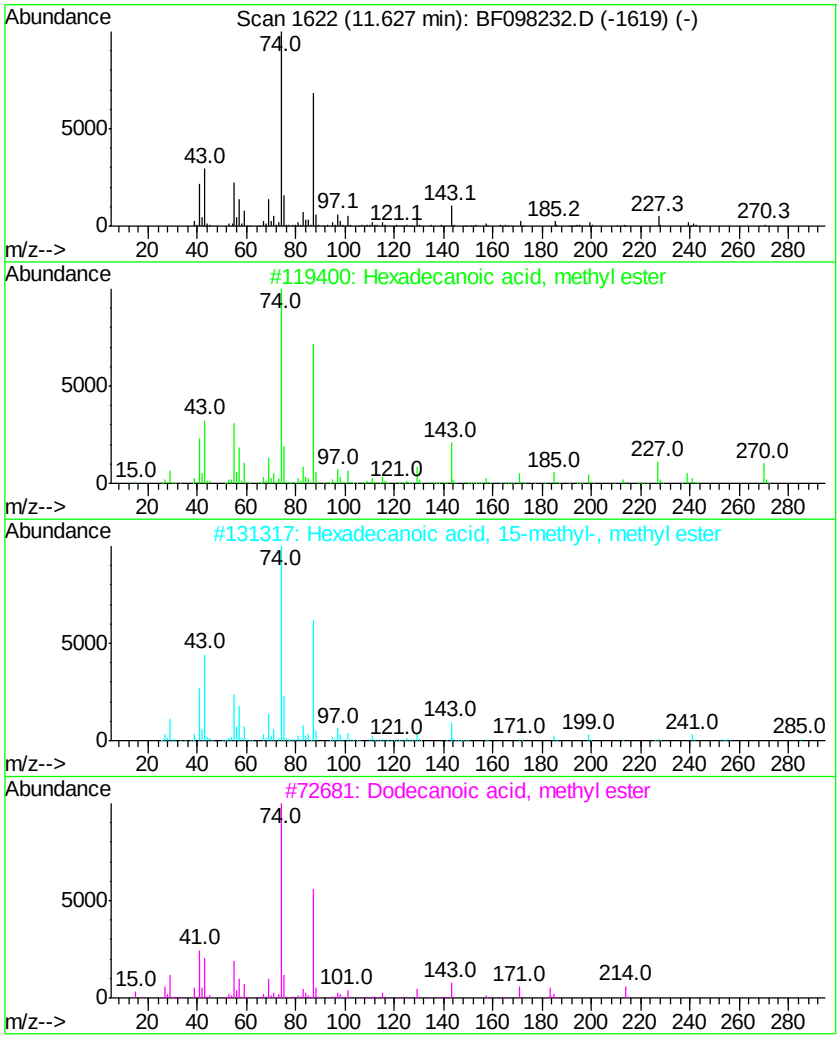
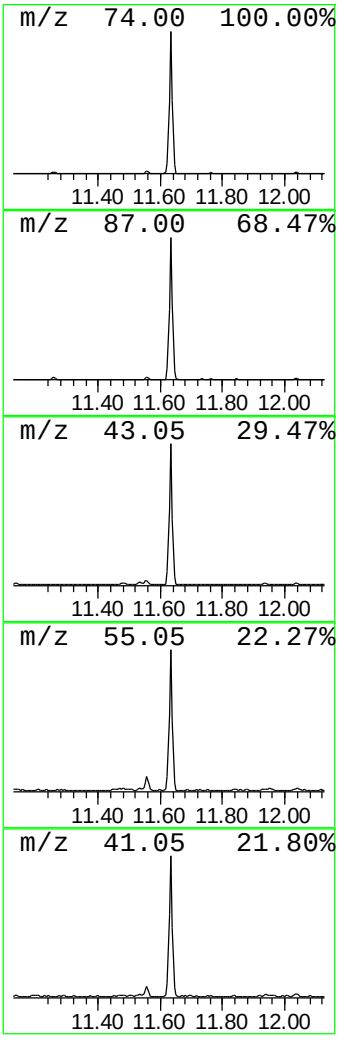
Peak Number 4 Hexadecanoic acid, methyl e... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.63	35.17 ng	994683	Phenanthrene-d10	11.23

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexadecanoic acid, methyl ester	270	C17H34O2	000112-39-0	98
2	Hexadecanoic acid, 15-methyl-, m...	284	C18H36O2	006929-04-0	91
3	Dodecanoic acid, methyl ester	214	C13H26O2	000111-82-0	91
4	Tridecanoic acid, methyl ester	228	C14H28O2	001731-88-0	91
5	Pentadecanoic acid, methyl ester	256	C16H32O2	007132-64-1	90





Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA F\DATA\BF090117\
Data File : BF098232.D
Acq On : 1 Sep 2017 17:45
Operator : SJ/JU
Sample : I5049-01 5X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TR-04-083017

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF081517.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

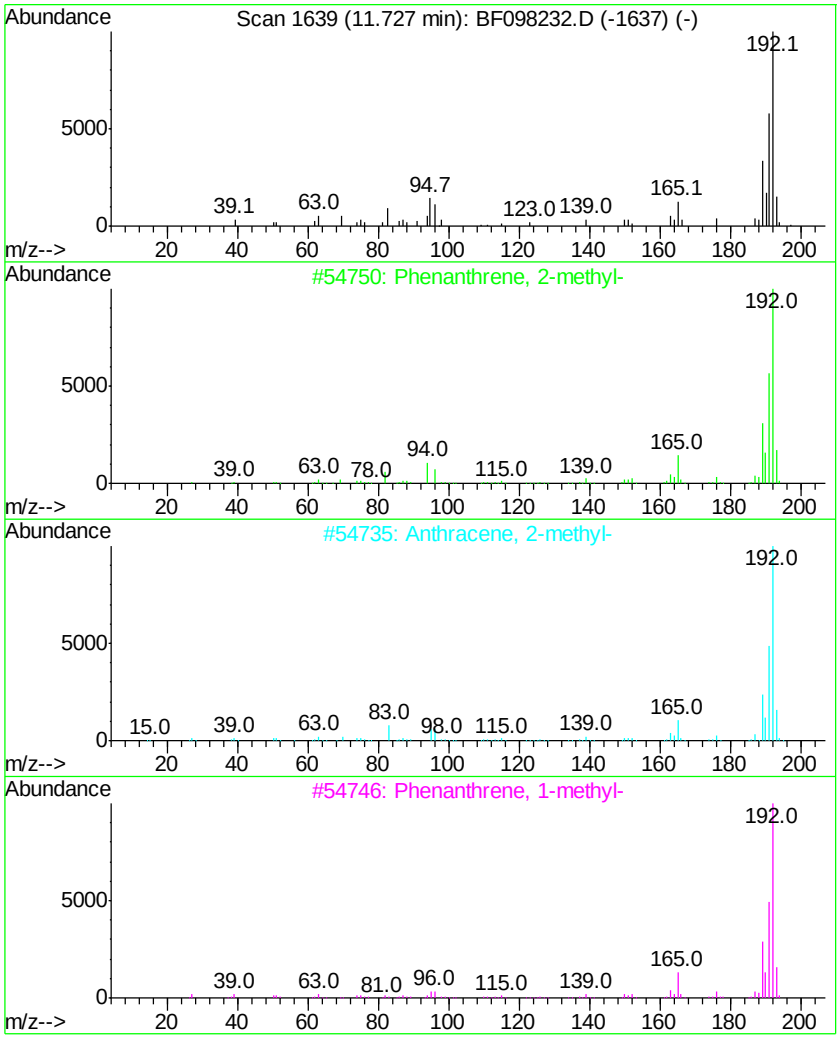
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

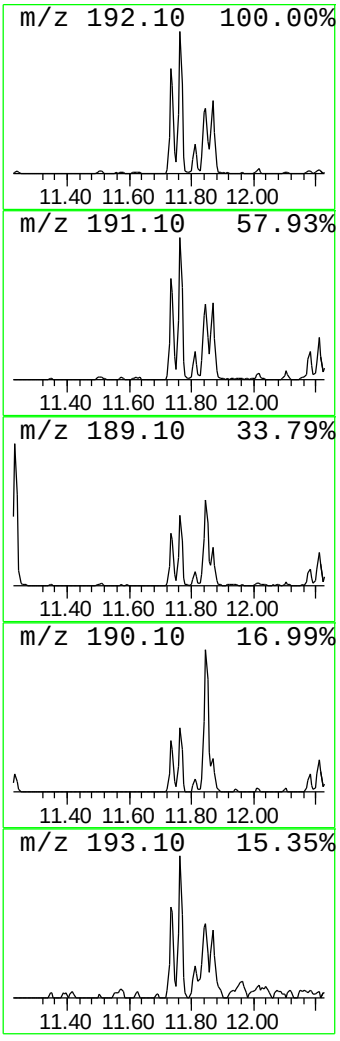
****

Peak Number 5 Phenanthrene, 2-methyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.73	5.07 ng	143402	Phenanthrene-d10	11.23

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	98
2	Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
3	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	96
4	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	94
5	Anthracene, 9-methyl-	192	C15H12	000779-02-2	91





Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA F\DATA\BF090117\
Data File : BF098232.D
Acq On : 1 Sep 2017 17:45
Operator : SJ/JU
Sample : I5049-01 5X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TR-04-083017

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF081517.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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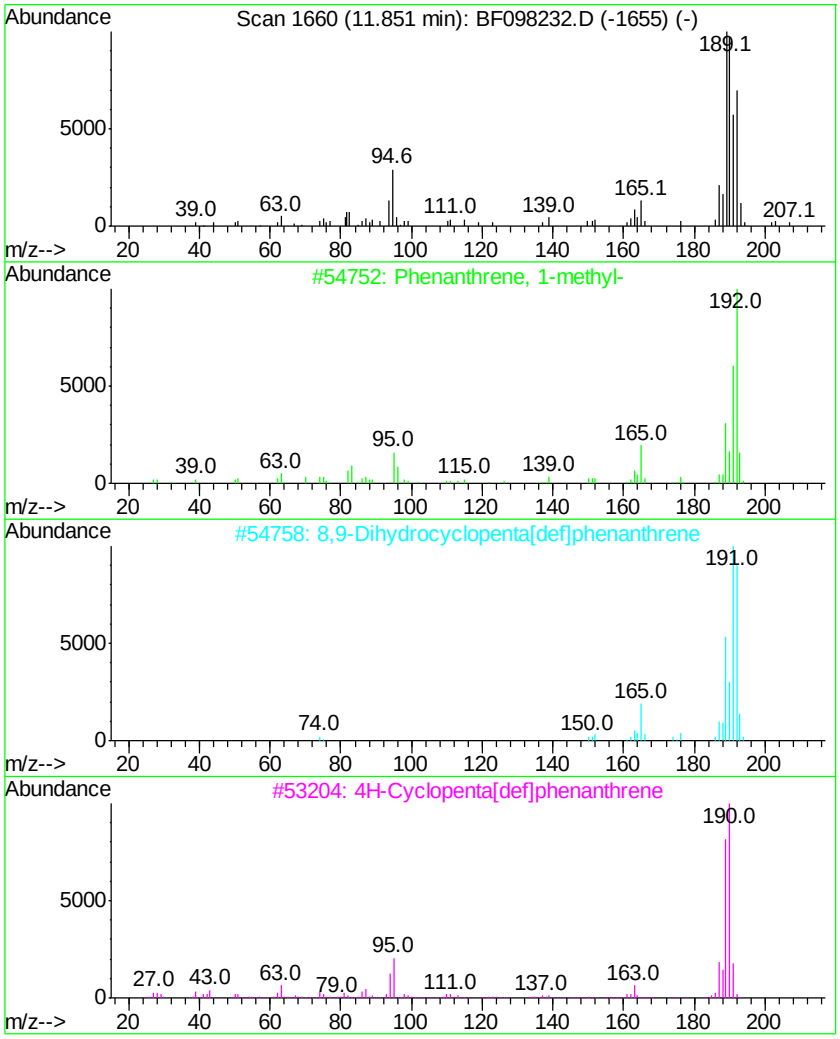
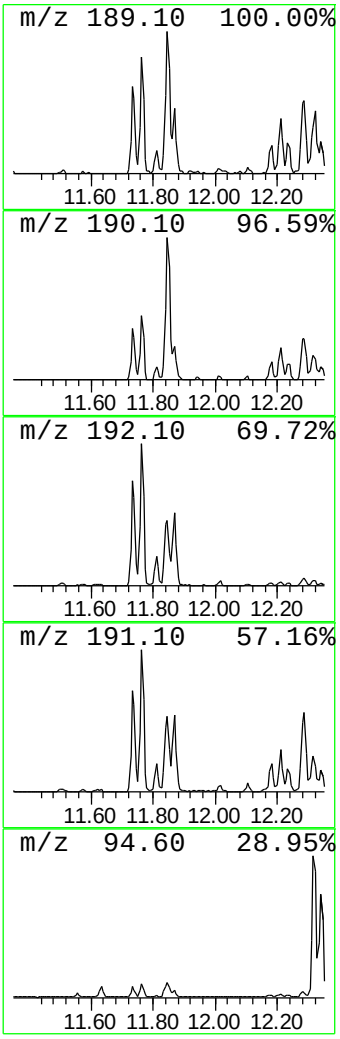
Peak Number 7 Phenanthrene, 1-methyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.85	6.07 ng	171553	Phenanthrene-d10	11.23

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	60
2	8,9-Dihydrocyclopenta[def]phenan...	192	C15H12	027410-55-5	55
3	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	55
4	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	46
5	Anthracene, 1-methyl-	192	C15H12	000610-48-0	46





Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA F\DATA\BF090117\
Data File : BF098232.D
Acq On : 1 Sep 2017 17:45
Operator : SJ/JU
Sample : I5049-01 5X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TR-04-083017

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF081517.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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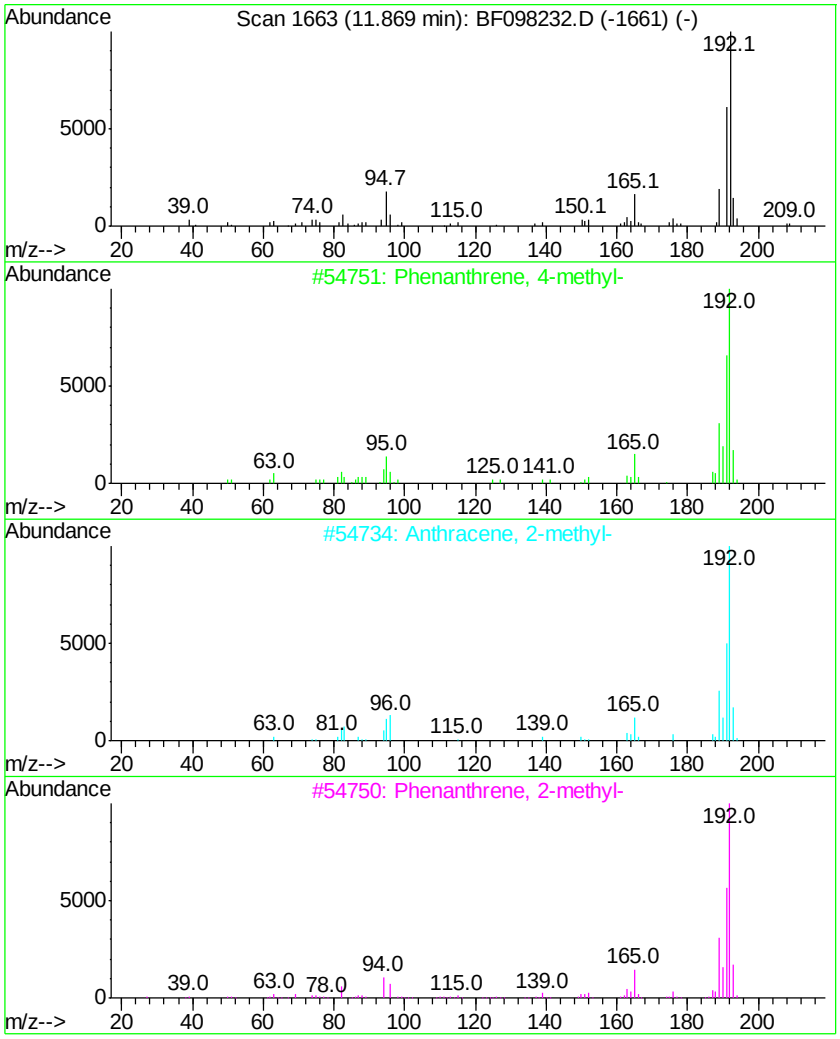
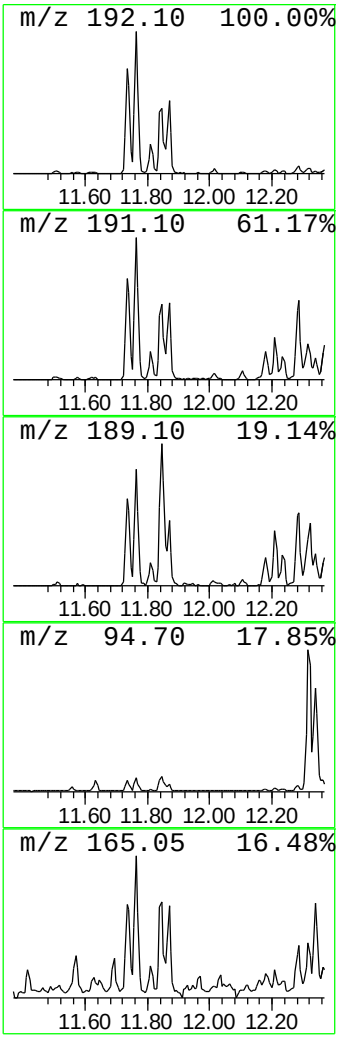
Peak Number 8 Phenanthrene, 4-methyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.87	3.28 ng	92637	Phenanthrene-d10	11.23

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	90
2	Anthracene, 2-methyl-	192	C15H12	000613-12-7	87
3	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	81
4	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	81
5	Anthracene, 1-methyl-	192	C15H12	000610-48-0	81





Library Search Compound Report

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Acq On : 1 Sep 2017 17:45
Operator : SJ/JU
Sample : I5049-01 5X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TR-04-083017

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF081517.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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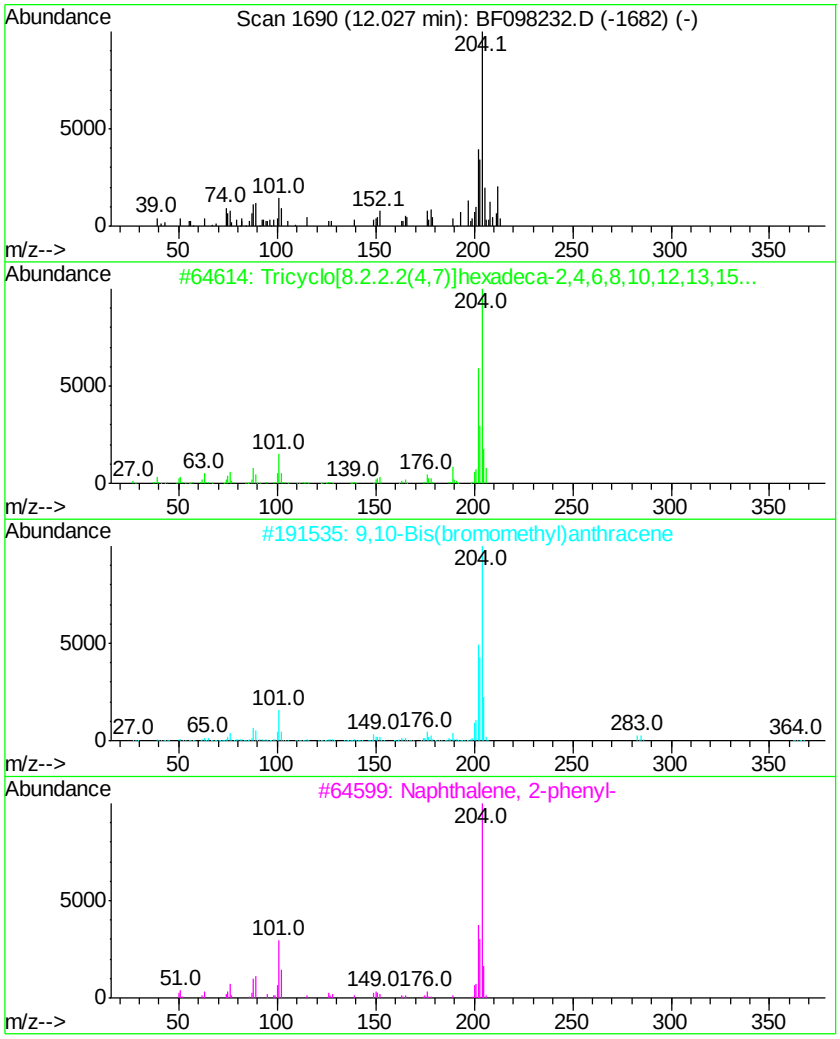
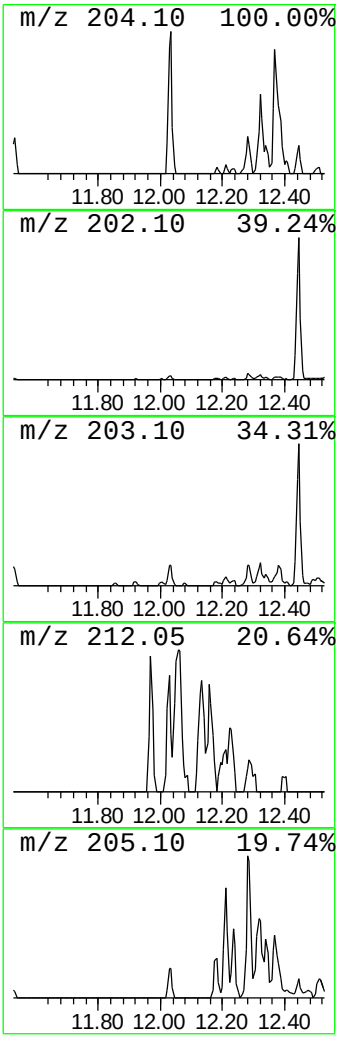
Peak Number 9 Tricyclo[8.2.2.2(4,7)]hexad... Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.03	2.69 ng	75972	Phenanthrene-d10	11.23

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	78
2	9,10-Bis(bromomethyl)anthracene	362	C16H12Br2	034373-96-1	62
3	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	60
4	5H-Dibenzo[a,d]cycloheptene, 5-m...	204	C16H12	002975-79-3	50
5	3,4-Biphenyldicarbonitrile	204	C14H8N2	004128-63-6	50





Library Search Compound Report

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Sample : I5049-01 5X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TR-04-083017

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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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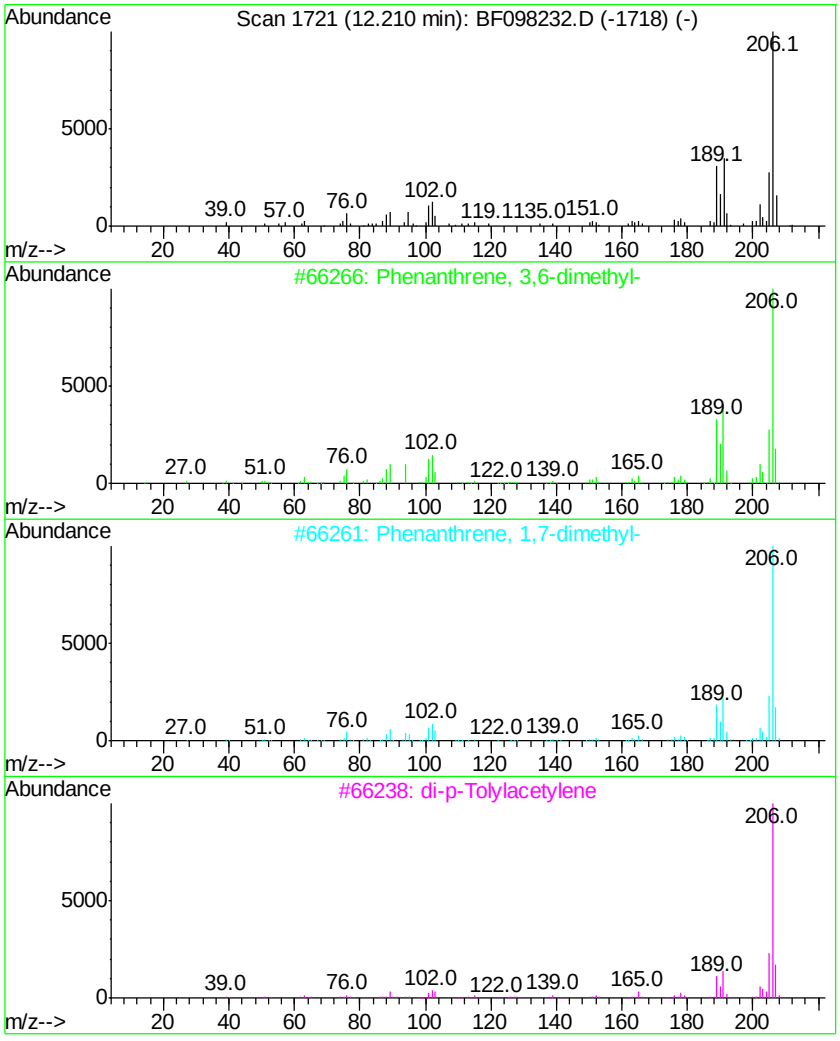
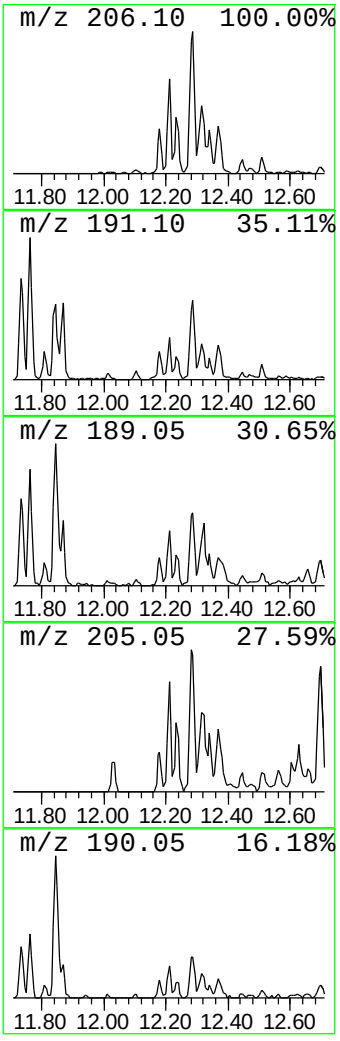
Peak Number 10 Phenanthrene, 3,6-dimethyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.21	2.82 ng	79836	Phenanthrene-d10	11.23

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	96
2	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	96
3	di-p-Tolylacetylene	206	C16H14	002789-88-0	94
4	Phenanthrene, 2,7-dimethyl-	206	C16H14	001576-69-8	93
5	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	91





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Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TR-04-083017

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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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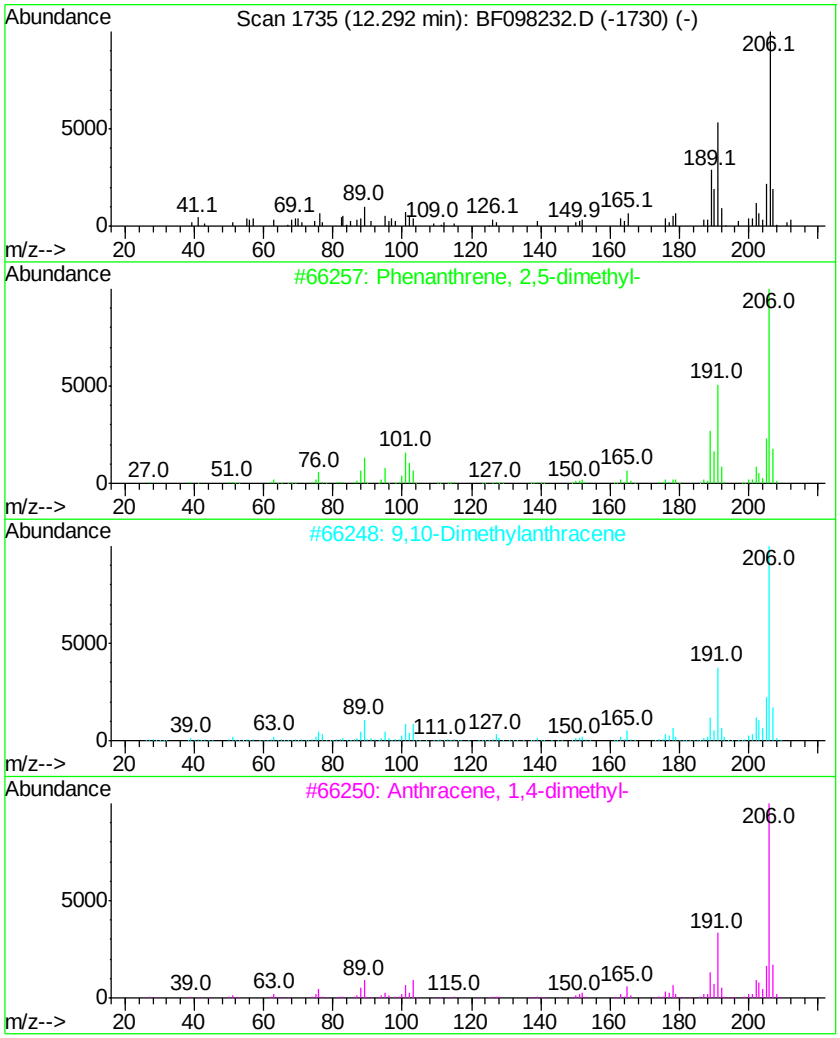
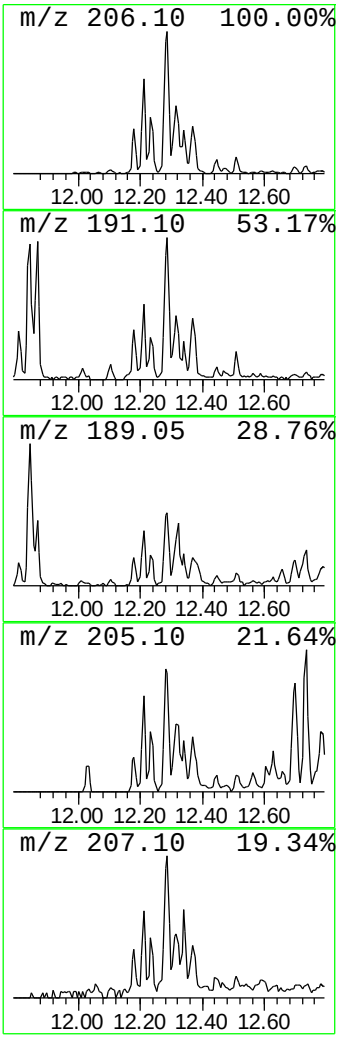
Peak Number 11 Phenanthrene, 2,5-dimethyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.29	6.64 ng	187850	Phenanthrene-d10	11.23

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	98
2	9,10-Dimethylanthracene	206	C16H14	000781-43-1	96
3	Anthracene, 1,4-dimethyl-	206	C16H14	000781-92-0	93
4	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	93
5	di-p-Tolylacetylene	206	C16H14	002789-88-0	91





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Sample : I5049-01 5X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TR-04-083017

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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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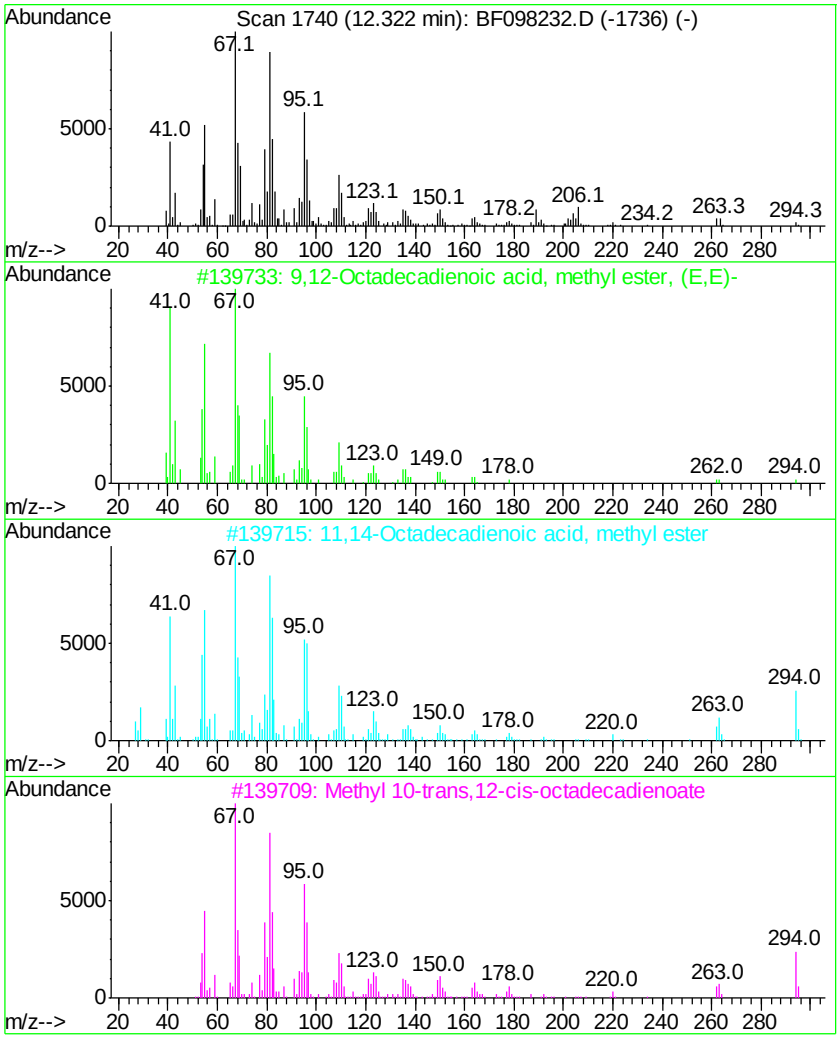
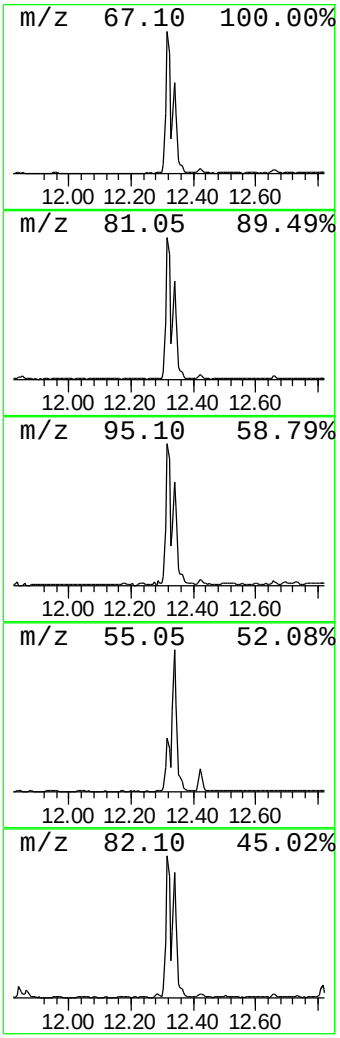
Peak Number 12 9,12-Octadecadienoic acid, ... Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.32	45.00 ng	1272630	Phenanthrene-d10	11.23

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,12-Octadecadienoic acid, methy...	294	C19H34O2	002566-97-4	99
2	11,14-Octadecadienoic acid, meth...	294	C19H34O2	056554-61-1	98
3	Methyl 10-trans,12-cis-octadecad...	294	C19H34O2	1000336-44-2	97
4	12,15-Octadecadienoic acid, meth...	294	C19H34O2	057156-97-5	97
5	9,12-Octadecadienoic acid (Z,Z)-	280	C18H32O2	000060-33-3	95





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Operator : SJ/JU
Sample : I5049-01 5X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TR-04-083017

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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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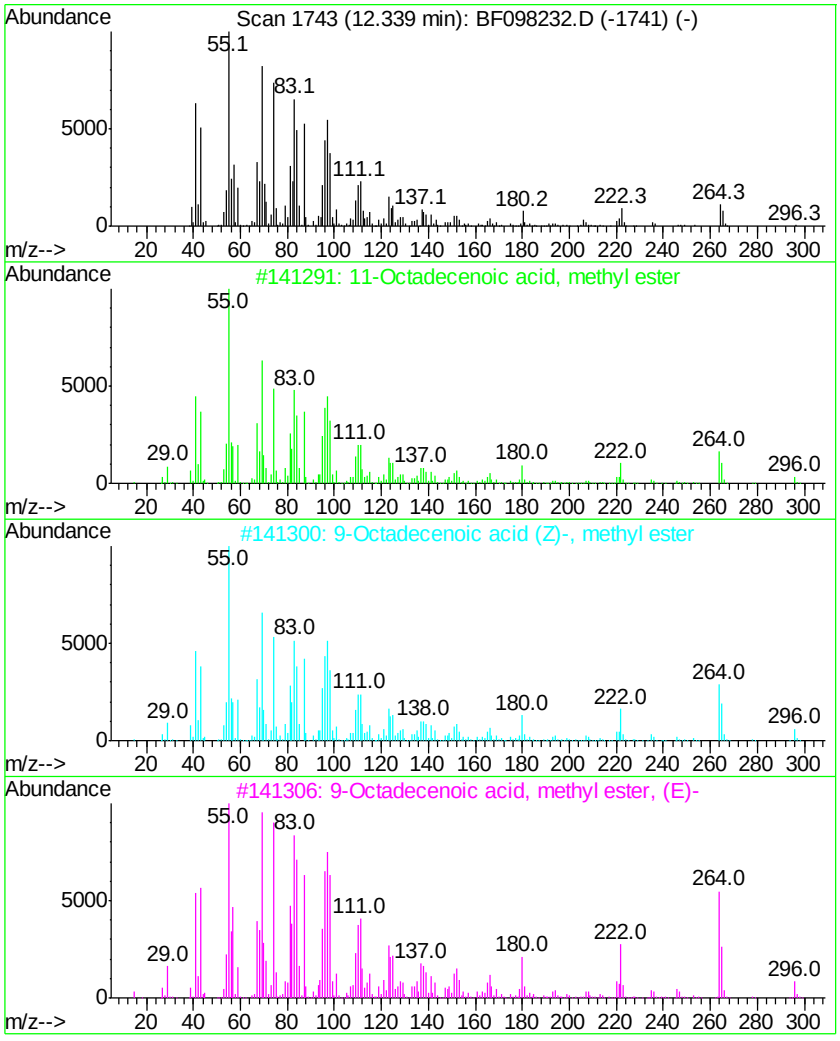
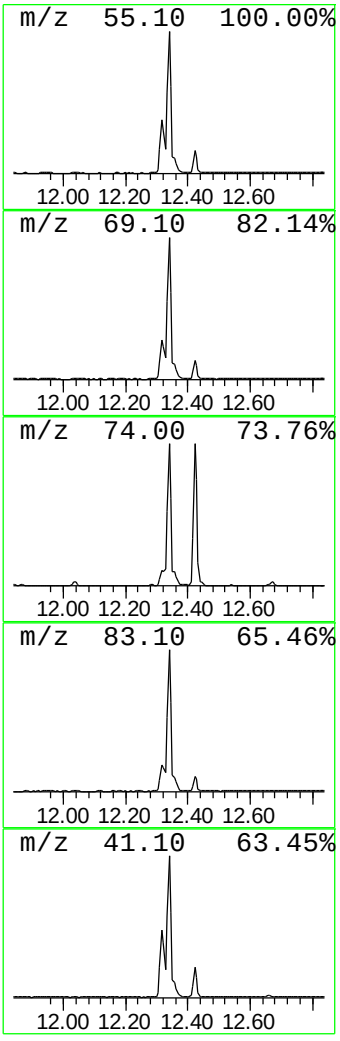
Peak Number 13 11-Octadecenoic acid, methy... Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.34	64.12 ng	1813200	Phenanthrene-d10	11.23

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11-Octadecenoic acid, methyl ester	296	C19H36O2	052380-33-3	96
2	9-Octadecenoic acid (Z)-, methyl...	296	C19H36O2	000112-62-9	96
3	9-Octadecenoic acid, methyl este...	296	C19H36O2	001937-62-8	91
4	11-Octadecenoic acid, methyl est...	296	C19H36O2	001937-63-9	86
5	13-Octadecenoic acid, methyl ester	296	C19H36O2	056554-47-3	76





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Sample : I5049-01 5X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TR-04-083017

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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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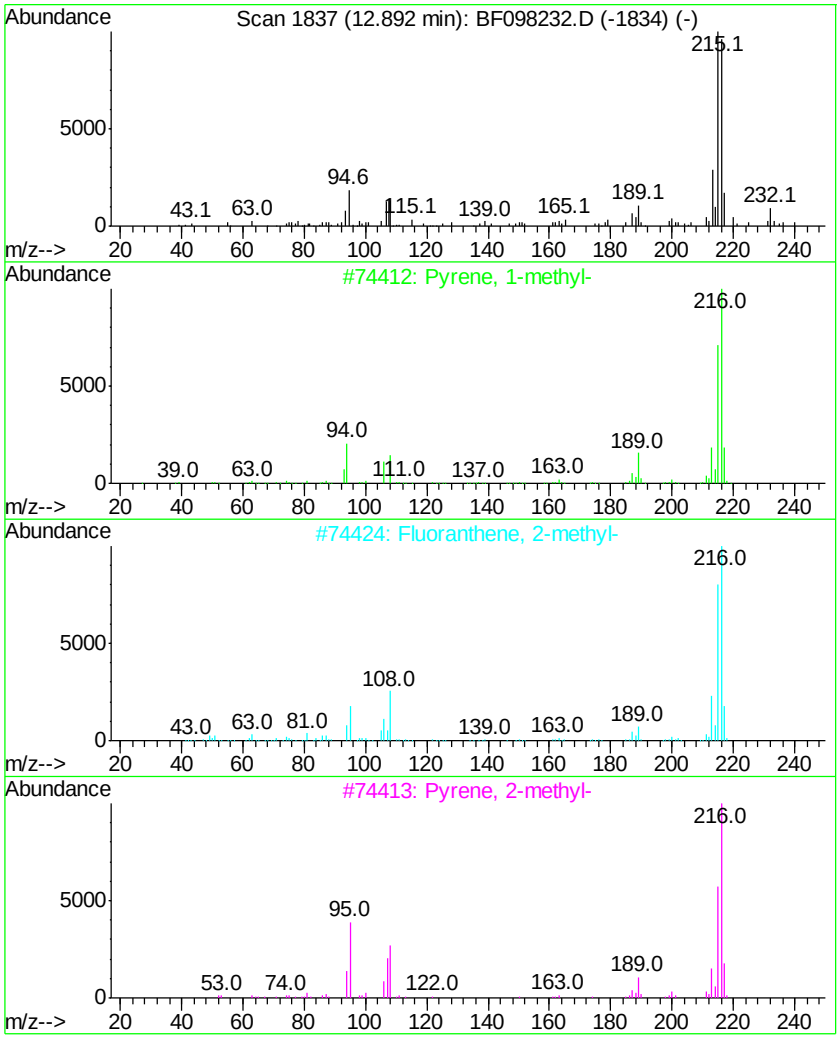
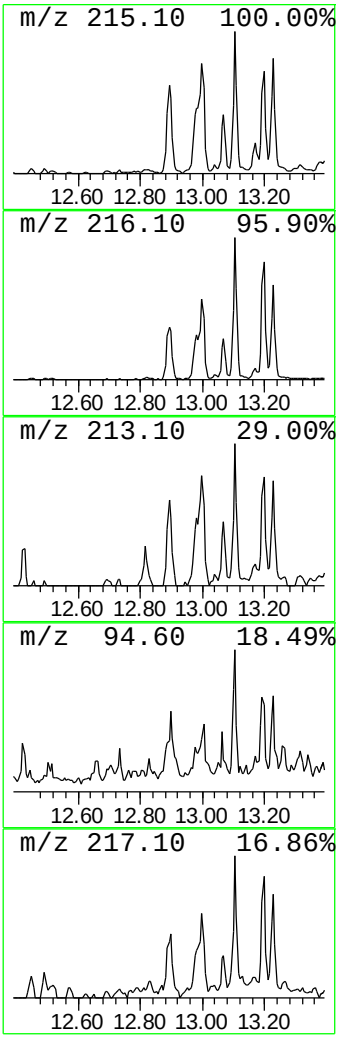
Peak Number 14 Pyrene, 1-methyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.89	3.62 ng	173496	Chrysene-d12	13.87

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	95
2	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	90
3	Pyrene, 2-methyl-	216	C17H12	003442-78-2	86
4	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	86
5	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	68





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Sample : I5049-01 5X
Misc :
ALS Vial : 20 Sample Multiplier: 1

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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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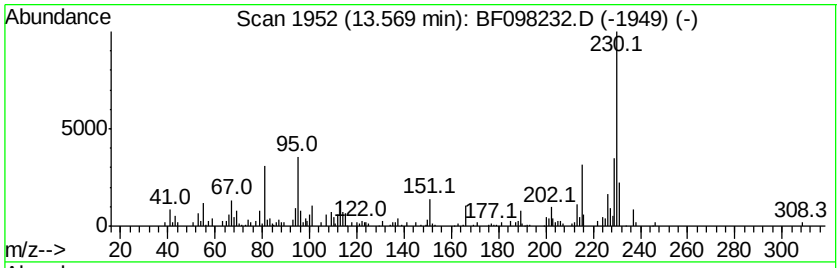
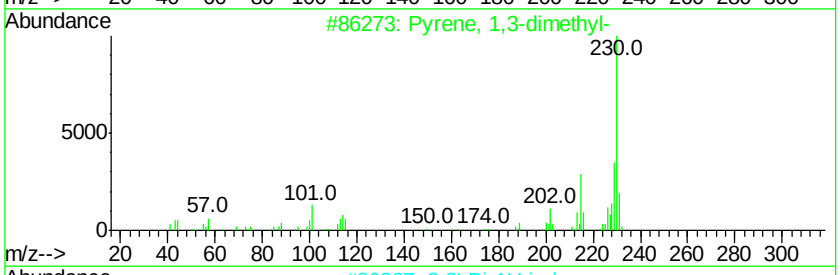
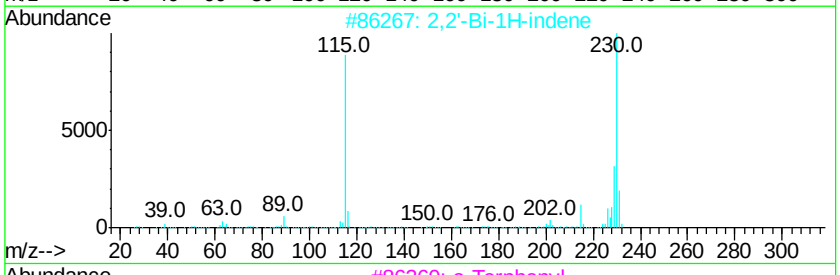
Peak Number 17 Pyrene, 1,3-dimethyl- Concentration Rank 19

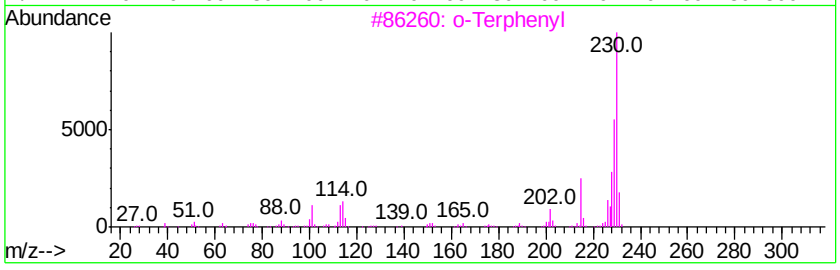
R.T.	EstConc	Area	Relative to ISTD	R.T.
13.57	2.69 ng	128850	Chrysene-d12	13.87

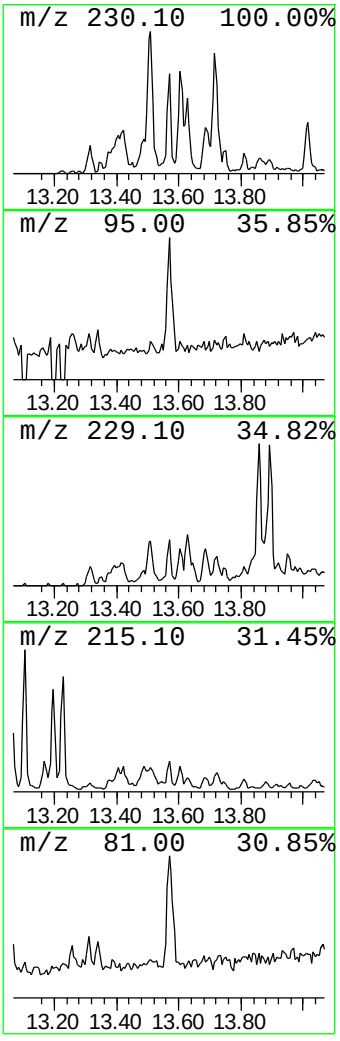
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1,3-dimethyl-	230	C18H14	064401-21-4	93
2	2,2'-Bi-1H-indene	230	C18H14	000787-61-1	90
3	o-Terphenyl	230	C18H14	000084-15-1	70
4	6,6-Diphenylfulvene	230	C18H14	002175-90-8	62
5	Dibenzo[c,h][2,6]naphthyridine	230	C16H10N2	000218-30-4	53











Library Search Compound Report

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Sample : I5049-01 5X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
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Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF081517.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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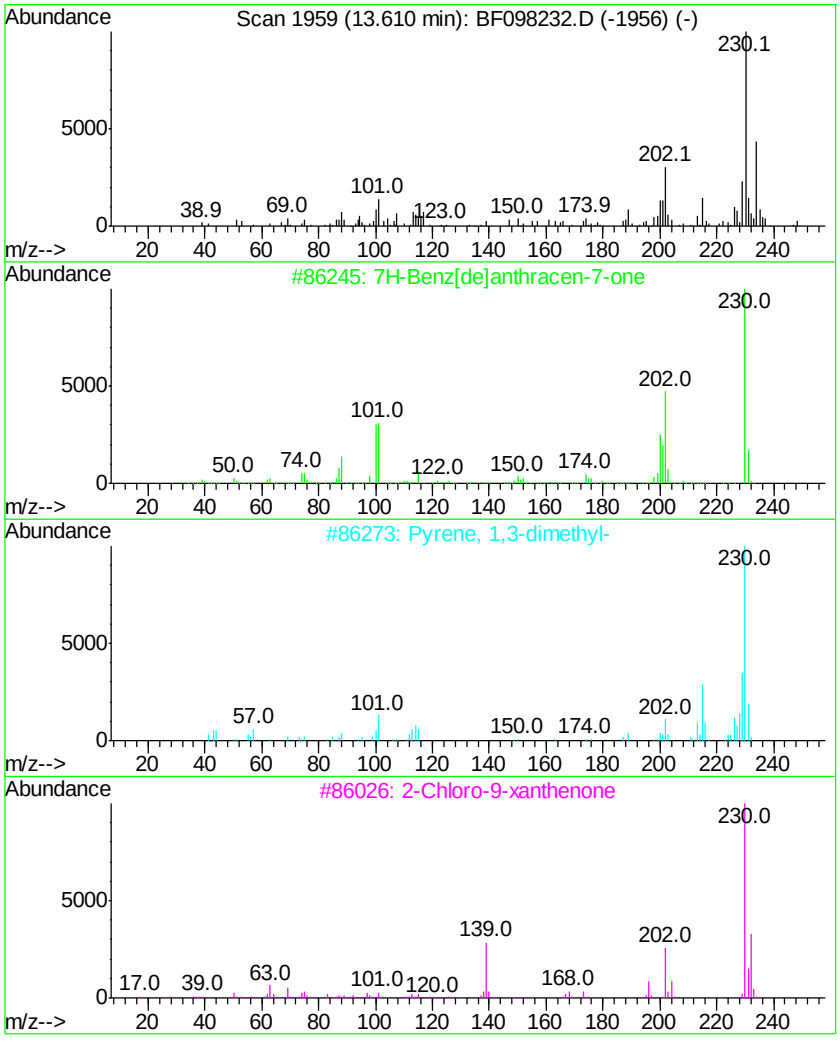
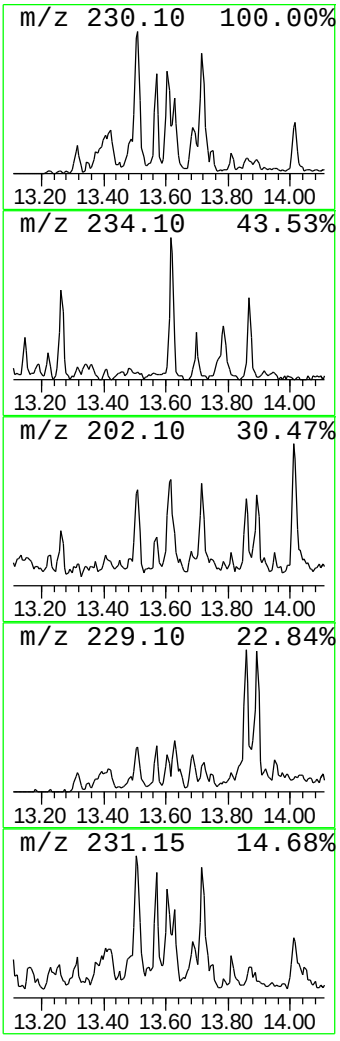
Peak Number 18 7H-Benz[de]anthracen-7-one Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.61	2.71 ng	130046	Chrysene-d12	13.87

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	7H-Benz[delanthracen-7-one	230	C17H10O	000082-05-3	55
2	Pyrene, 1,3-dimethyl-	230	C18H14	064401-21-4	55
3	2-Chloro-9-xanthenone	230	C13H7ClO2	013210-15-6	47
4	9-Xanthenone, 3-chloro-	230	C13H7ClO2	027063-50-9	46
5	p-Terphenyl	230	C18H14	000092-94-4	43





Tentatively Identified Compound (LSC) summary

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Data File : BF098232.D
Acq On : 1 Sep 2017 17:45
Operator : SJ/JU
Sample : I5049-01 5X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TR-04-083017

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF081517.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

					Internal Standard			
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unknown11.56	11.56	2.8	ng	80035	4	11.23	565586	20.0
Hexadecanoic acid...	11.63	35.2	ng	994683	4	11.23	565586	20.0
Phenanthrene, 2-m...	11.73	5.1	ng	143402	4	11.23	565586	20.0
Phenanthrene, 1-m...	11.85	6.1	ng	171553	4	11.23	565586	20.0
Phenanthrene, 4-m...	11.87	3.3	ng	92637	4	11.23	565586	20.0
Tricyclo[8.2.2.2(...	12.03	2.7	ng	75972	4	11.23	565586	20.0
Phenanthrene, 3,6...	12.21	2.8	ng	79836	4	11.23	565586	20.0
Phenanthrene, 2,5...	12.29	6.6	ng	187850	4	11.23	565586	20.0
9,12-Octadecadien...	12.32	45.0	ng	1272630	4	11.23	565586	20.0
11-Octadecenoic a...	12.34	64.1	ng	1813200	4	11.23	565586	20.0
Pyrene, 1-methyl-	12.89	3.6	ng	173496	5	13.87	958123	20.0
Pyrene, 1,3-dimet...	13.57	2.7	ng	128850	5	13.87	958123	20.0
7H-Benz[de]anthra...	13.61	2.7	ng	130046	5	13.87	958123	20.0