LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF060619\
Data File : BF114882.D
Acq On : 7 Jun 2019 00:15
Operator : HP/JU
Sample : K3105-05 2X
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TRIANGLEDL

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-BF060419.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	3.604	249	258	266	rBV	381592	599671	5.97%	0.306%
2	5.275	538	542	554	rVB	3966731	3613114	36.00%	1.843%
3	6.304	713	717	724	rBV	3663348	3679296	36.66%	1.877%
4	6.440	736	740	743	rBV	4425738	3919682	39.05%	2.000%
5	6.669	775	779	783	rBV	2339911	1778500	17.72%	0.907%
6	6.828	802	806	809	rBV	3421359	3018872	30.08%	1.540%
7	7.228	869	874	877	rBV	2795672	2333179	23.25%	1.190%
8	7.951	993	997	999	rBV	3018048	2457147	24.48%	1.253%
9	8.663	1113	1118	1121	rBV	1367516	1171698	11.67%	0.598%
10	8.757	1131	1134	1138	rVB	1854266	1601796	15.96%	0.817%
11	9.028	1176	1180	1183	rBV	4410261	3870037	38.56%	1.974%
12	9.222	1210	1213	1218	rVB	477606	626171	6.24%	0.319%
13	9.292	1220	1225	1228	rBV	1400343	1897151	18.90%	0.968%
14	9.363	1233	1237	1239	rVV	2794498	2687973	26.78%	1.371%
15	9.386	1239	1241	1244	rVV	1965073	1524749	15.19%	0.778%
16	9.422	1244	1247	1250	rVV2	883030	821751	8.19%	0.419%
17	9.475	1253	1256	1262	rBV	1419224	1632098	16.26%	0.833%
18	9.557	1265	1270	1276	rBV	1835308	1587377	15.82%	0.810%
19	9.698	1288	1294	1297	rBV2	2979499	3112877	31.02%	1.588%
20	9.728	1297	1299	1303	rVV	1872012	1743726	17.37%	0.890%
21	9.804	1308	1312	1317	rBV2	722574	956578	9.53%	0.488%
22	9.904	1323	1329	1332	rVB2	1511164	1684855	16.79%	0.860%
23	9.939	1332	1335	1338	rVB	1193410	1054188	10.50%	0.538%
24	10.016	1343	1348	1351	rBV2	1180208	1280366	12.76%	0.653%
25	10.045	1351	1353	1356	rVB	919555	635453	6.33%	0.324%
26	10.110	1359	1364	1365	rBV	767028	1106138	11.02%	0.564%
27	10.198	1373	1379	1383	rBV5	548163	926480	9.23%	0.473%
28	10.239	1383	1386	1389	rBV	3016090	2670527	26.61%	1.362%
29	10.310	1393	1398	1399	rBV	863340	1080879	10.77%	0.551%
30	10.328	1399	1401	1403	rVV3	724513	621373	6.19%	0.317%
31	10.357	1403	1406	1408	rVV2	542628	597272	5.95%	0.305%
32	10.398	1410	1413	1419	rVB3	962201	1182112	11.78%	0.603%
33	10.481	1422	1427	1431	rVB	3135359	3081055	30.70%	1.572%
34	10.522	1431	1434	1440	rVB3	374319	493686	4.92%	0.252%

LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF060619\
Data File : BF114882.D
Acq On : 7 Jun 2019 00:15
Operator : HP/JU
Sample : K3105-05 2X
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TRIANGLEDL

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-BF060419.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	10.610	1444	1449	1452	rBV2	537103	621836	6.20%	0.317%
36	10.786	1474	1479	1482	rBV4	1580659	2050878	20.43%	1.046%
37	10.816	1482	1484	1487	rVV2	1283994	1107920	11.04%	0.565%
38	10.869	1491	1493	1496	rVV2	896054	796343	7.93%	0.406%
39	10.922	1500	1502	1503	rVV	477134	460946	4.59%	0.235%
40	10.939	1503	1505	1507	rVV	672014	608606	6.06%	0.310%
41	10.980	1509	1512	1517	rVV4	597994	780412	7.78%	0.398%
42	11.028	1517	1520	1524	rVV2	514963	658772	6.56%	0.336%
43	11.069	1524	1527	1530	rVV	1359547	1207971	12.04%	0.616%
44	11.175	1541	1545	1547	rBV	2397659	2602063	25.93%	1.327%
45	11.204	1547	1550	1553	rVV	9183199	9011813	89.79%	4.597%
46	11.251	1553	1558	1561	rVV	3301232	3018013	30.07%	1.540%
47	11.286	1561	1564	1567	rVV	827934	891250	8.88%	0.455%
48	11.404	1581	1584	1587	rVV2	328440	456587	4.55%	0.233%
49	11.504	1597	1601	1604	rVB2	1282904	1230833	12.26%	0.628%
50	11.586	1612	1615	1619	rVB	839677	805468	8.03%	0.411%
51	11.675	1626	1630	1633	rVV	3524837	3650896	36.38%	1.862%
52	11.704	1633	1635	1640	rVV	4469185	3967407	39.53%	2.024%
53	11.751	1640	1643	1645	rVV	1606115	1387919	13.83%	0.708%
54	11.786	1645	1649	1651	rVV	4815479	5067599	50.49%	2.585%
55	11.810	1651	1653	1656	rVB	3181824	2355747	23.47%	1.202%
56	11.969	1677	1680	1682	rVV	1733568	1543434	15.38%	0.787%
57	11.986	1682	1683	1690	rVB3	876870	1043151	10.39%	0.532%
58	12.116	1703	1705	1708	rVV	897837	884271	8.81%	0.451%
59	12.151	1708	1711	1713	rVV	960834	960752	9.57%	0.490%
60	12.169	1713	1714	1717	rVB	777706	583683	5.82%	0.298%
61	12.222	1717	1723	1726	rBV	2517207	3143638	31.32%	1.604%
62	12.257	1726	1729	1732	rVV	1639130	2111925	21.04%	1.077%
63	12.280	1732	1733	1735	rVB	930543	464503	4.63%	0.237%
64	12.310	1735	1738	1742	rBV3	1003371	1593055	15.87%	0.813%
65	12.386	1746	1751	1754	rBV	7834759	7909380	78.81%	4.035%
66	12.433	1756	1759	1763	rBV3	629785	1051288	10.47%	0.536%
67	12.610	1784	1789	1792	rBV	7333427	10036367	100.00%	5.120%
68	12.727	1806	1809	1810	rVV	767328	691936	6.89%	0.353%
69	12.751	1810	1813	1820	rVV	3102386	3746598	37.33%	1.911%
70	12.827	1821	1826	1829	rVV2	1531233	2058541	20.51%	1.050%
71	12.880	1833	1835	1838	rVV3	441002	614054	6.12%	0.313%

LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF060619\
Data File : BF114882.D
Acq On : 7 Jun 2019 00:15
Operator : HP/JU
Sample : K3105-05 2X
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TRIANGLEDL

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-BF060419.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

72	12.910	1838	1840	1842	rVV2	1220511	1508705	15.03%	0.770%
73	12.933	1842	1844	1847	rVB	2533234	2315732	23.07%	1.181%
74	12.998	1852	1855	1858	rVB	1731870	1690100	16.84%	0.862%
75	13.039	1858	1862	1865	rBV	2188111	2187895	21.80%	1.116%
76	13.127	1874	1877	1880	rVB	1639207	1413327	14.08%	0.721%
77	13.157	1880	1882	1886	rBV	1683272	1501530	14.96%	0.766%
78	13.233	1892	1895	1902	rVB5	462130	697096	6.95%	0.356%
79	13.310	1905	1908	1910	rBV4	341044	442508	4.41%	0.226%
80	13.433	1923	1929	1935	rBV3	845483	1849011	18.42%	0.943%
81	13.545	1944	1948	1951	rBV3	1219356	1672178	16.66%	0.853%
82	13.574	1951	1953	1955	rVB	882907	665678	6.63%	0.340%
83	13.792	1985	1990	1993	rBV2	5181140	7150449	71.25%	3.648%
84	13.827	1993	1996	2003	rVB	4782603	4948418	49.30%	2.524%
85	13.904	2004	2009	2011	rBV2	743936	1013665	10.10%	0.517%
86	14.010	2025	2027	2032	rBV3	632080	843097	8.40%	0.430%
87	14.151	2048	2051	2052	rBV	554315	563196	5.61%	0.287%
88	14.186	2052	2057	2060	rVV	1879326	2473483	24.65%	1.262%
89	14.216	2060	2062	2065	rVV	1173807	1072283	10.68%	0.547%
90	14.257	2066	2069	2070	rVV2	456832	558501	5.56%	0.285%
91	14.274	2070	2072	2075	rVV2	951174	1147080	11.43%	0.585%
92	14.310	2075	2078	2079	rVV	1027490	1100372	10.96%	0.561%
93	14.327	2079	2081	2084	rVB3	815107	762468	7.60%	0.389%
94	14.804	2157	2162	2172	rBV	2851031	5750586	57.30%	2.934%
95	14.892	2174	2177	2182	rVB	925892	981471	9.78%	0.501%
96	15.074	2204	2208	2213	rVB	1773385	2257065	22.49%	1.151%
97	15.127	2213	2217	2222	rBV	2586121	3167919	31.56%	1.616%
98	15.186	2223	2227	2229	rBV	1135897	1309481	13.05%	0.668%
99	16.498	2445	2450	2456	rBV2	855283	1489614	14.84%	0.760%
100	16.892	2512	2517	2524	rVB	714211	1270439	12.66%	0.648%

Sum of corrected areas: 196027029

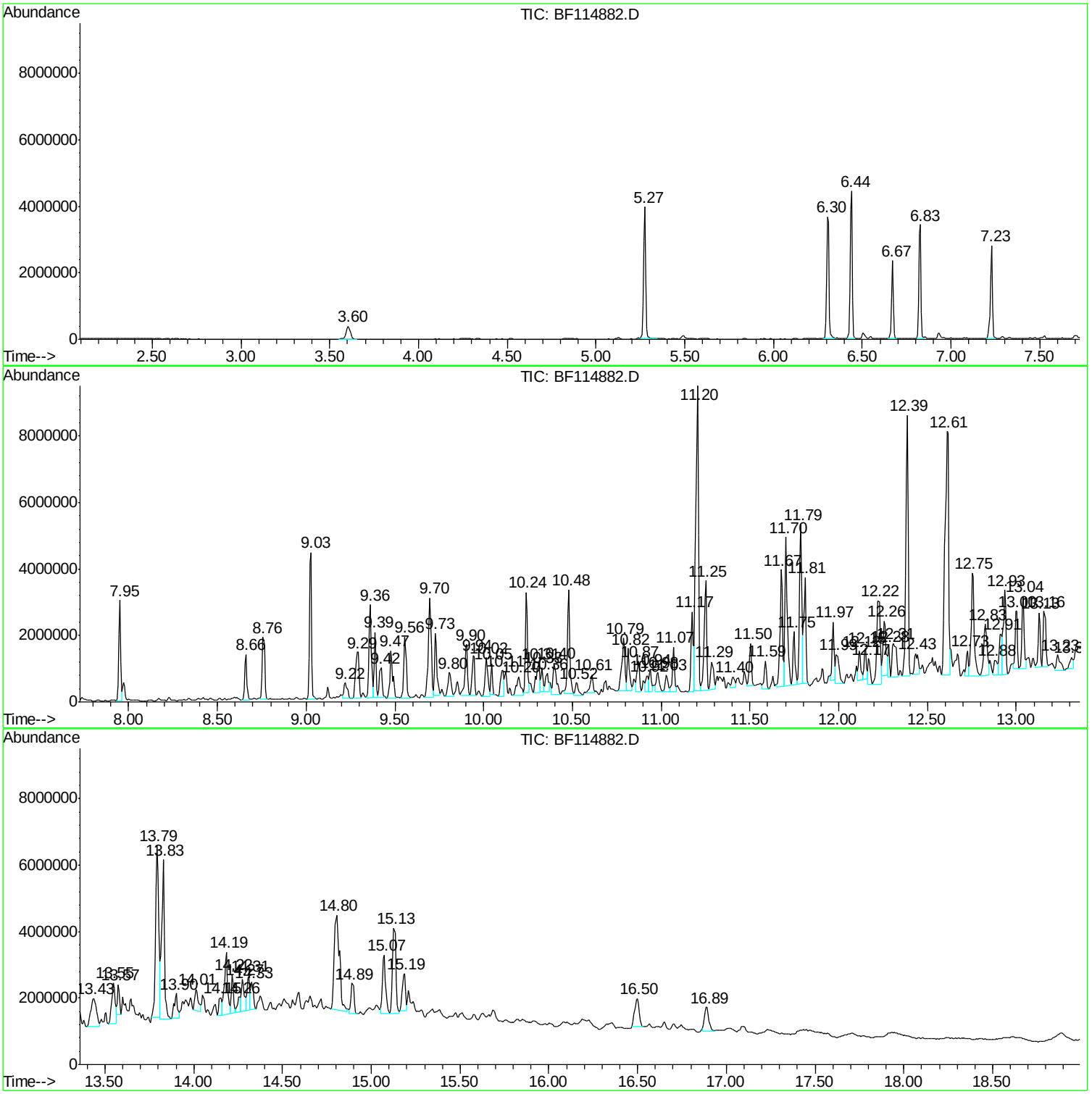
LSC Report - Integrated Chromatogram

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF060619\
Data File : BF114882.D
Acq On : 7 Jun 2019 00:15
Operator : HP/JU
Sample : K3105-05 2X
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TRIANGLEDL

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF060419.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\BF060619\
Data File : BF114882.D
Acq On : 7 Jun 2019 00:15
Operator : HP/JU
Sample : K3105-05 2X
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TRIANGLEDL

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF060419.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

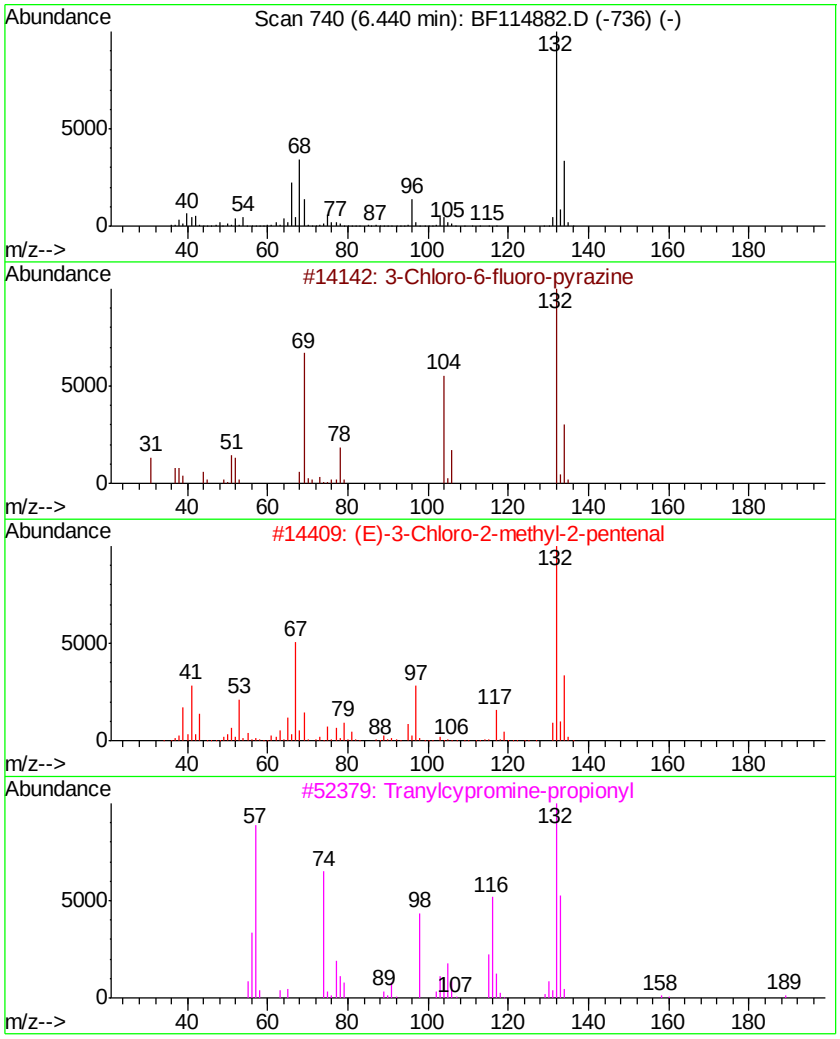
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

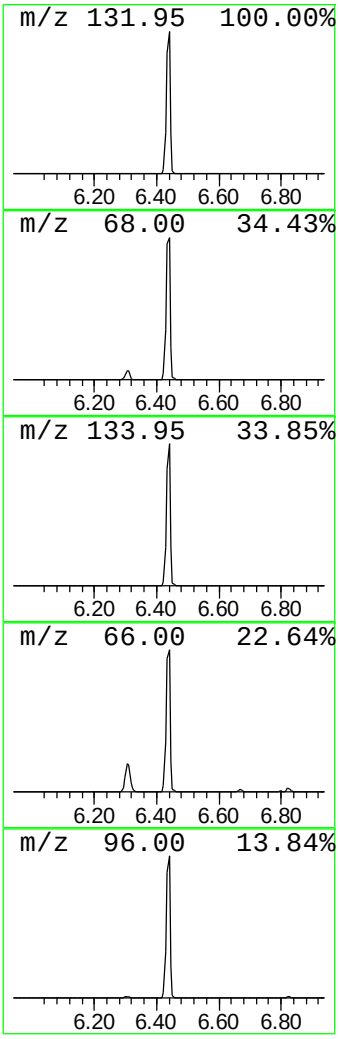
****

Peak Number 1 unknown6.44 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.44	44.08 ng	3919680	1,4-Dichlorobenzene-d4	6.67

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	38
2	(E)-3-Chloro-2-methyl-2-pentenal	132	C6H9ClO	031357-76-3	25
3	Tranylcypromine-propionyl	189	C12H15NO	1000123-86-3	16
4	2H-Cyclopenta[d]pyridazine, 2-me...	132	C8H8N2	022291-85-6	9
5	4-Chloro-6-fluoro-pyrimidine	132	C4H2ClFN2	051422-01-6	9





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF060619\
Data File : BF114882.D
Acq On : 7 Jun 2019 00:15
Operator : HP/JU
Sample : K3105-05 2X
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TRIANGLEDL

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF060419.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

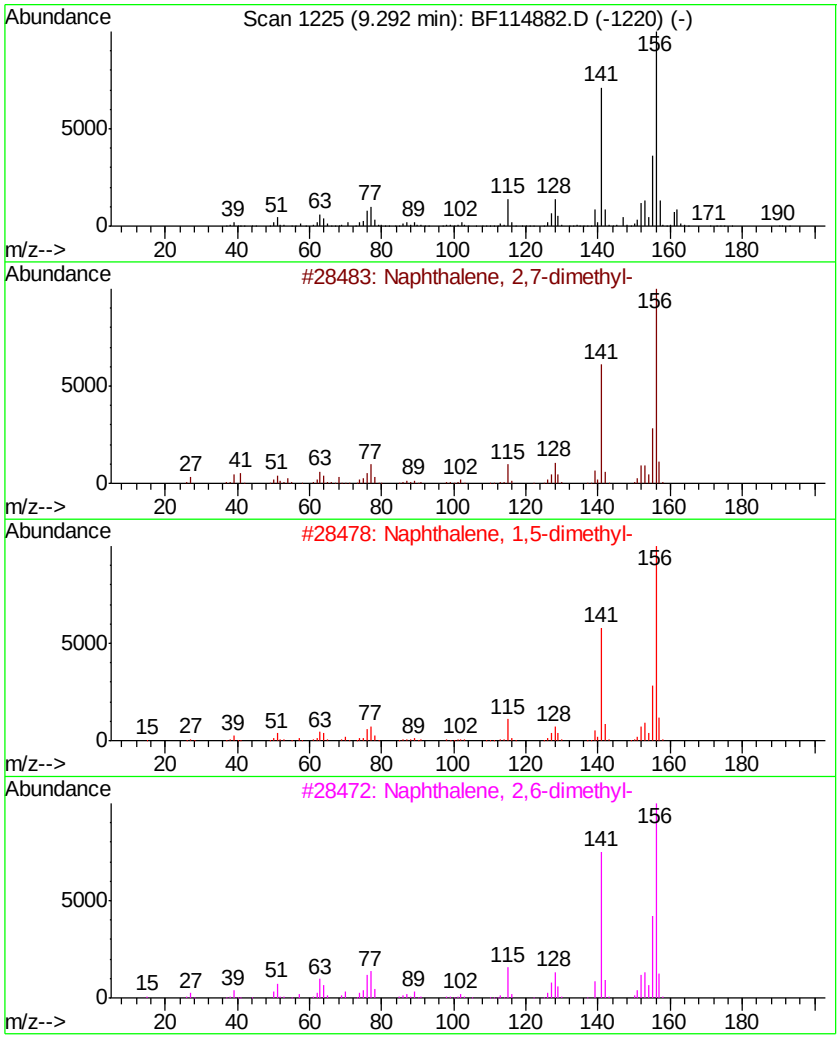
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

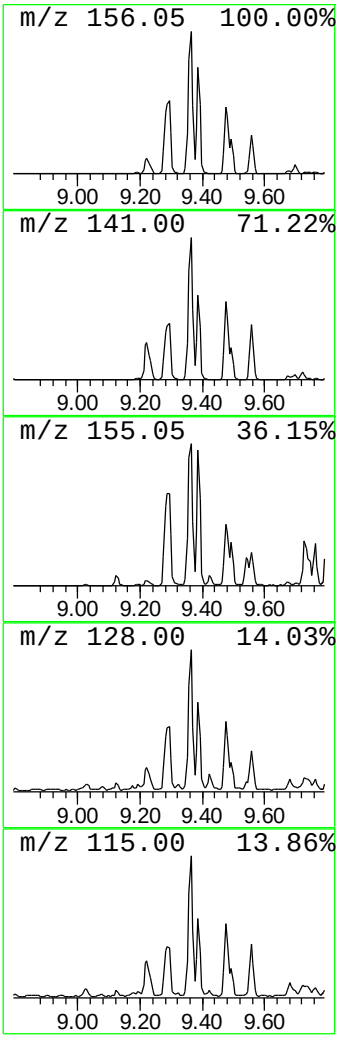
****

Peak Number 3 Naphthalene, 2,7-dimethyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.29	12.19 ng	1897150	Acenaphthene-d10	9.70

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	97
2	Naphthalene, 1,5-dimethyl-	156	C12H12	000571-61-9	97
3	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	97
4	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	96
5	Naphthalene, 1,2-dimethyl-	156	C12H12	000573-98-8	96





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF060619\
Data File : BF114882.D
Acq On : 7 Jun 2019 00:15
Operator : HP/JU
Sample : K3105-05 2X
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TRIANGLEDL

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF060419.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

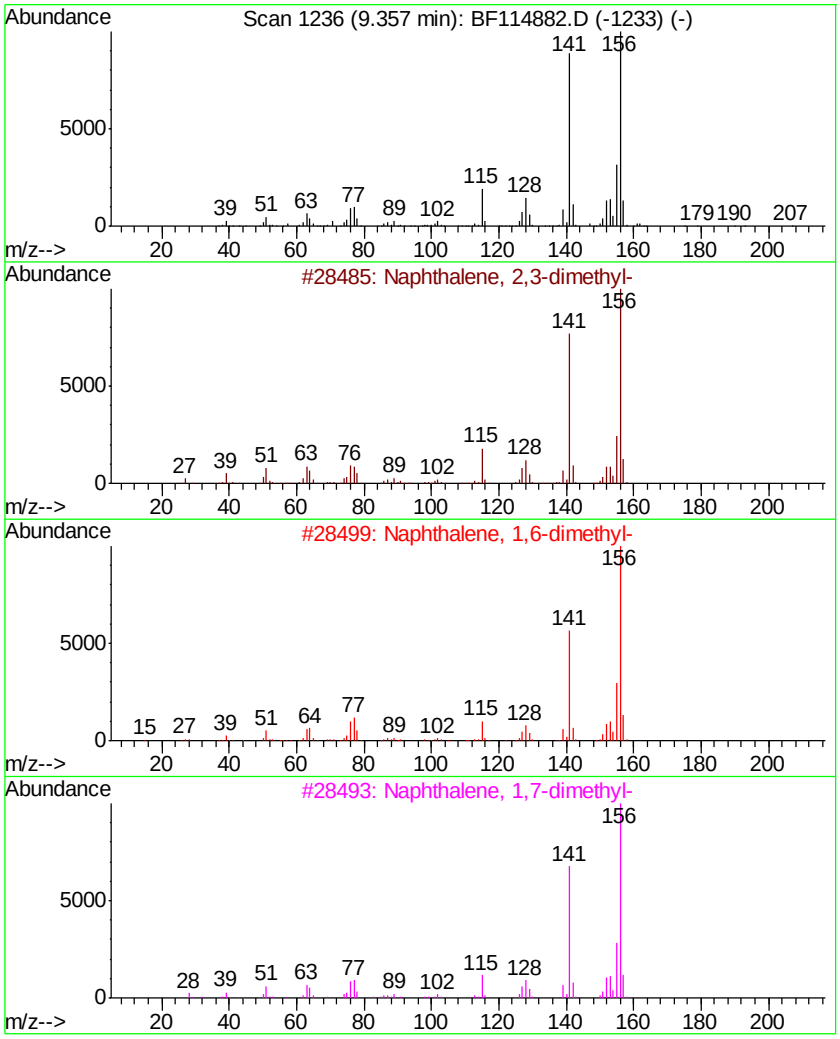
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

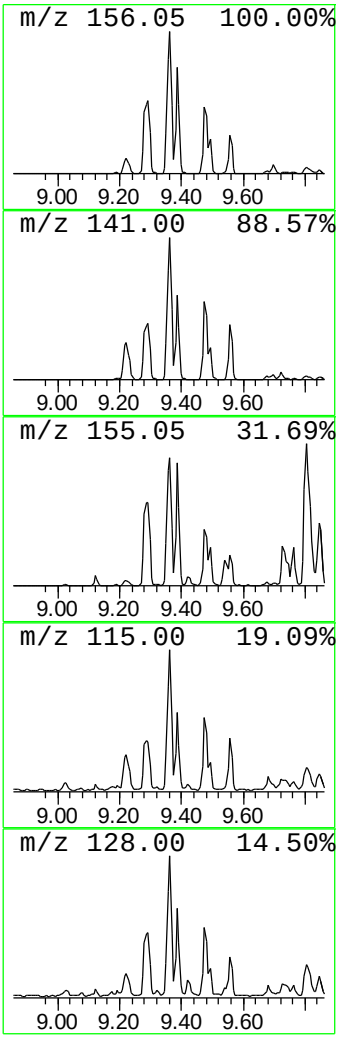
****

Peak Number 4 Naphthalene, 2,3-dimethyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.36	17.27 ng	2687970	Acenaphthene-d10	9.70

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	97
2	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	97
3	Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	97
4	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	97
5	Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	96





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF060619\
Data File : BF114882.D
Acq On : 7 Jun 2019 00:15
Operator : HP/JU
Sample : K3105-05 2X
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TRIANGLEDL

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF060419.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

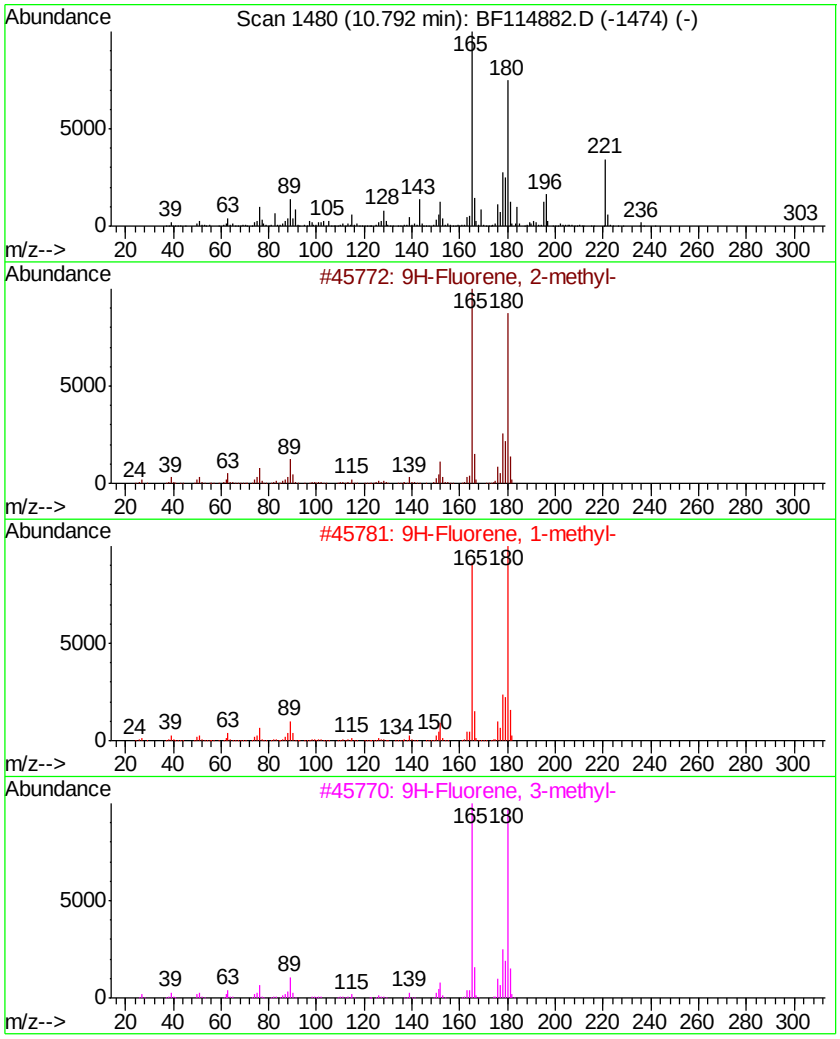
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

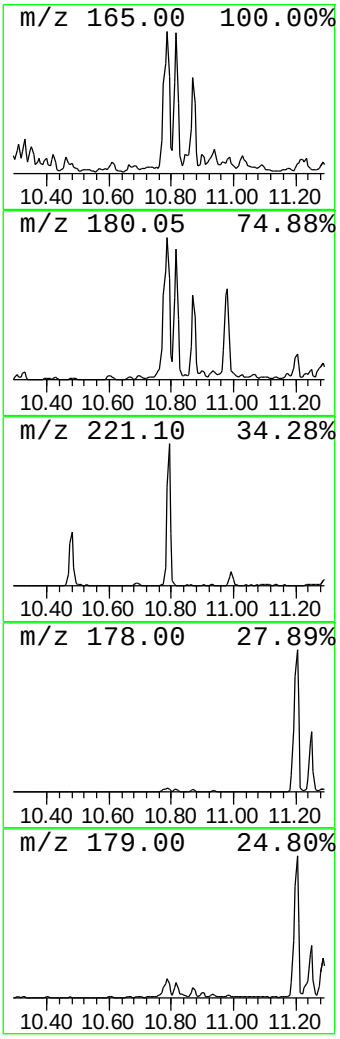
****

Peak Number 6 9H-Fluorene, 2-methyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.79	15.76 ng	2050880	Phenanthrene-d10	11.17

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluorene, 2-methyl-	180	C14H12	001430-97-3	96
2	9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	95
3	9H-Fluorene, 3-methyl-	180	C14H12	002523-39-9	93
4	4a,9a-Methano-9H-fluorene	180	C14H12	019540-84-2	92
5	9H-Fluorene, 4-methyl-	180	C14H12	001556-99-6	78





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF060619\
Data File : BF114882.D
Acq On : 7 Jun 2019 00:15
Operator : HP/JU
Sample : K3105-05 2X
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TRIANGLEDL

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF060419.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

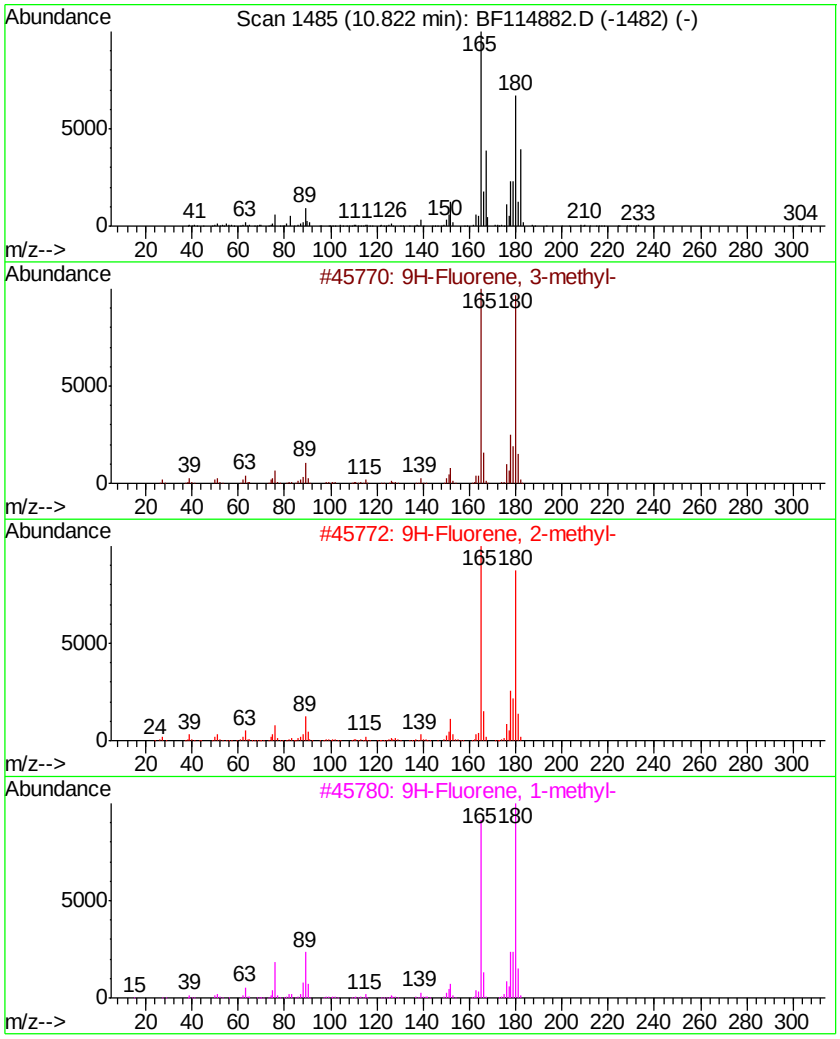
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

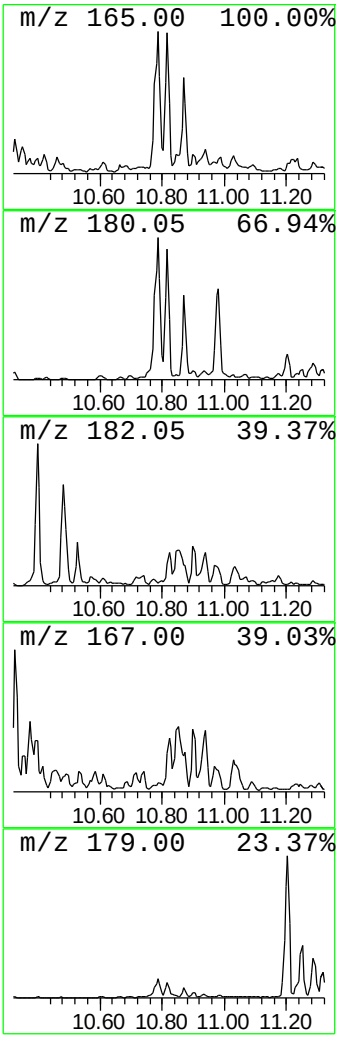
****

Peak Number 7 9H-Fluorene, 3-methyl- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.82	8.52 ng	1107920	Phenanthrene-d10	11.17

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluorene, 3-methyl-	180	C14H12	002523-39-9	95
2	9H-Fluorene, 2-methyl-	180	C14H12	001430-97-3	93
3	9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	92
4	9H-Fluorene, 9-methyl-	180	C14H12	002523-37-7	70
5	(3H)Benzo[c]pyrrole, 3-methyl-3-...	208	C14H12N2	059341-20-7	55





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF060619\
Data File : BF114882.D
Acq On : 7 Jun 2019 00:15
Operator : HP/JU
Sample : K3105-05 2X
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TRIANGLEDL

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF060419.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

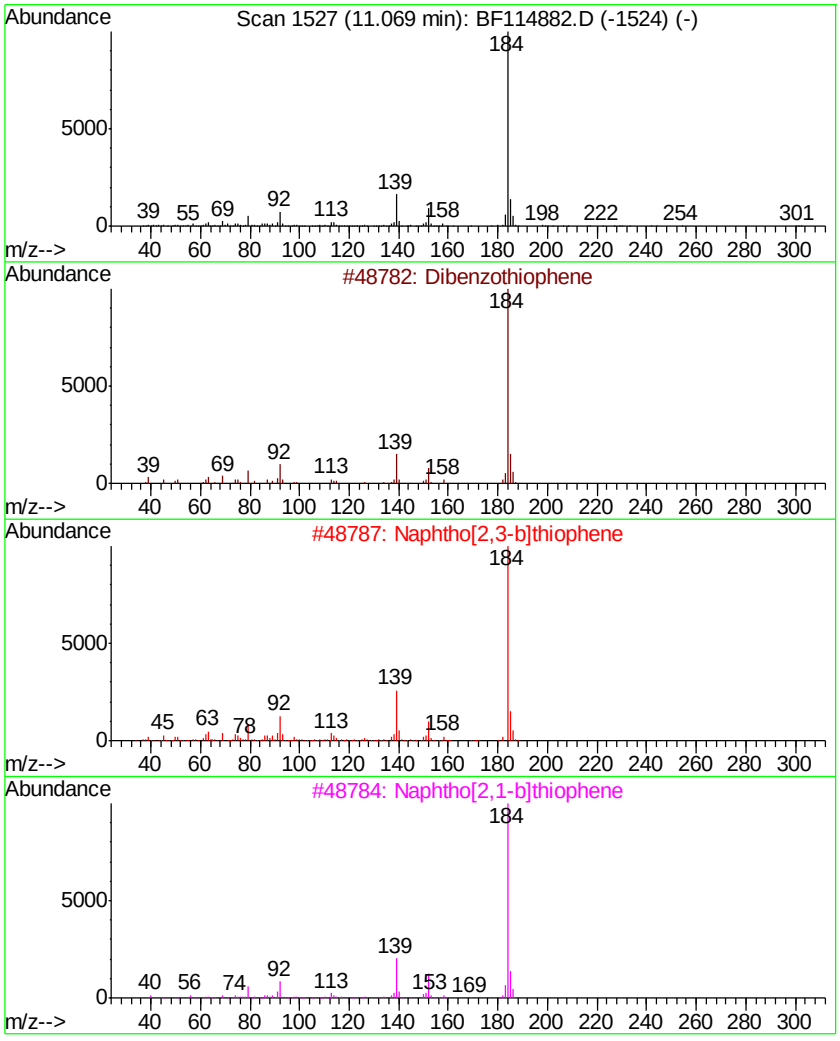
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

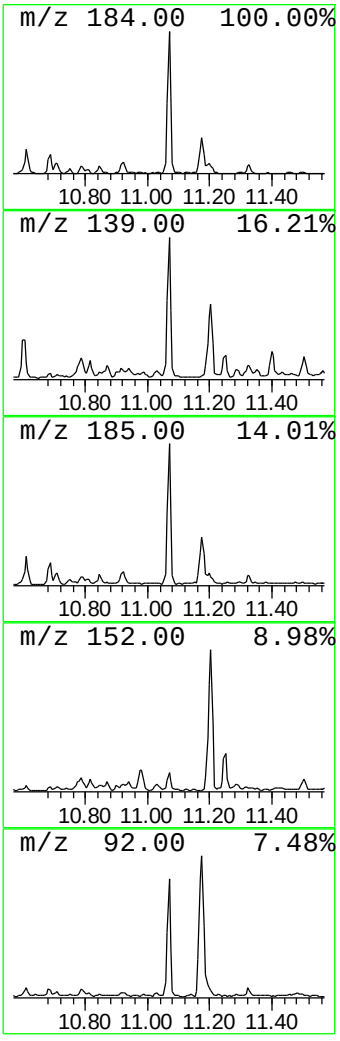
****

Peak Number 8 Dibenzothiophene Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.07	9.28 ng	1207970	Phenanthrene-d10	11.17

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzothiophene	184	C12H8S	000132-65-0	96
2	Naphtho[2,3-b]thiophene	184	C12H8S	000268-77-9	95
3	Naphtho[2,1-b]thiophene	184	C12H8S	000233-02-3	95
4	Naphtho[1,2-b]thiophene	184	C12H8S	000234-41-3	94
5	Azuleno(2,1-b)thiophene	184	C12H8S	000248-13-5	91





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF060619\
Data File : BF114882.D
Acq On : 7 Jun 2019 00:15
Operator : HP/JU
Sample : K3105-05 2X
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TRIANGLEDL

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF060419.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

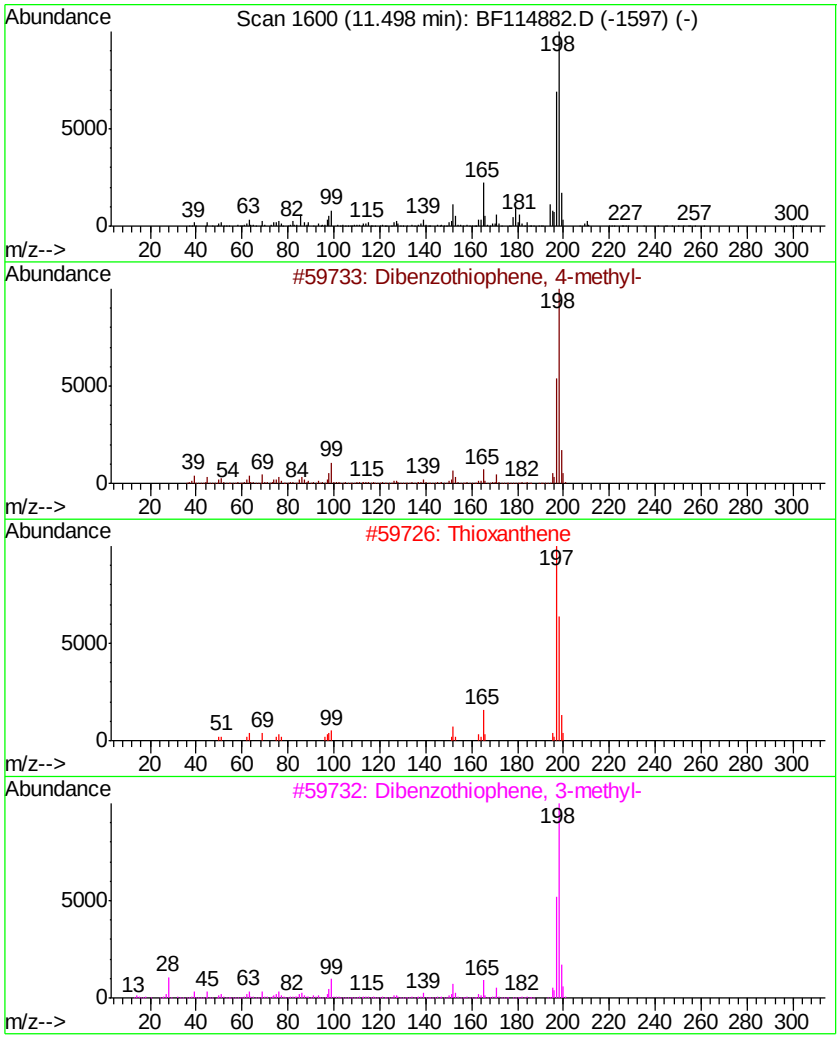
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

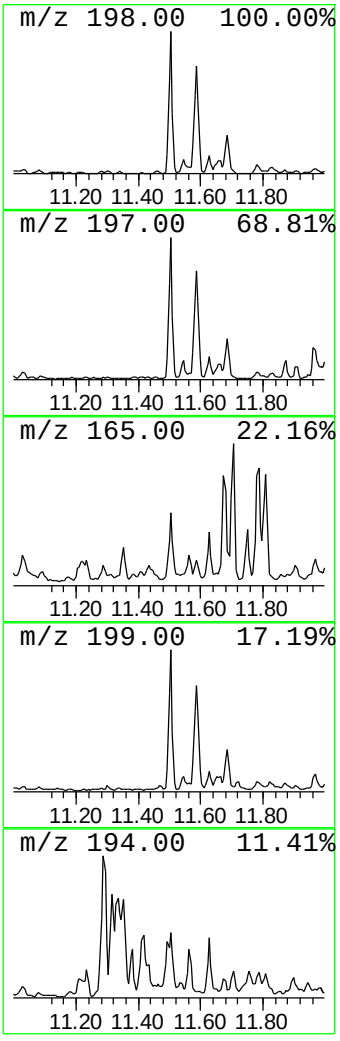
****

Peak Number 9 Dibenzothiophene, 4-methyl- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.50	9.46 ng	1230830	Phenanthrene-d10	11.17

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzothiophene, 4-methyl-	198	C13H10S	007372-88-5	72
2	Thioxanthene	198	C13H10S	000261-31-4	64
3	Dibenzothiophene, 3-methyl-	198	C13H10S	016587-52-3	64
4	4-Methylnaphtho[1,2-b]thiophene	198	C13H10S	067388-11-8	64
5	Benzenamine, 4,4'-methylenebis-	198	C13H14N2	000101-77-9	59





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF060619\
Data File : BF114882.D
Acq On : 7 Jun 2019 00:15
Operator : HP/JU
Sample : K3105-05 2X
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TRIANGLEDL

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF060419.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

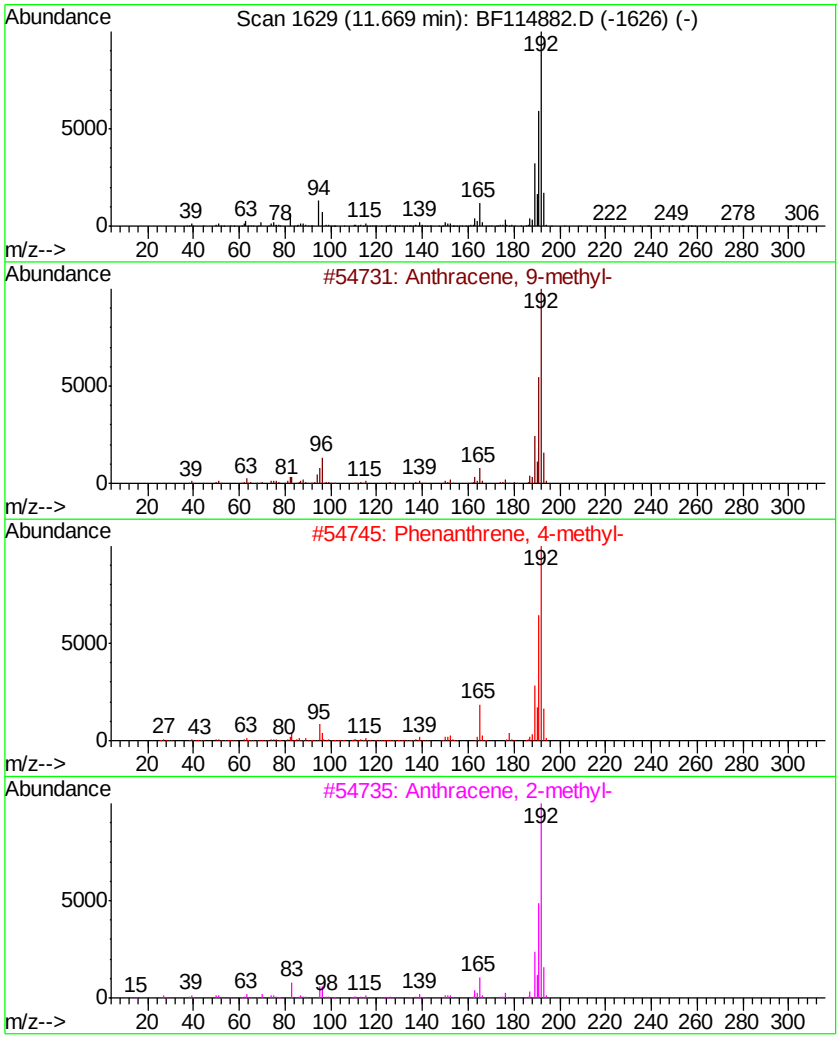
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

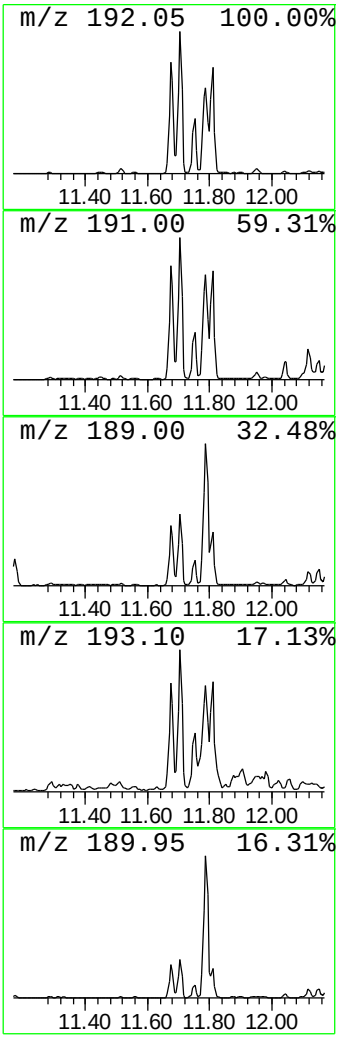
****

Peak Number 10 Anthracene, 9-methyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.67	28.06 ng	3650900	Phenanthrene-d10	11.17

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 9-methyl-	192	C15H12	000779-02-2	93
2	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	93
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	93
4	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	93
5	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	93





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF060619\
Data File : BF114882.D
Acq On : 7 Jun 2019 00:15
Operator : HP/JU
Sample : K3105-05 2X
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TRIANGLEDL

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF060419.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

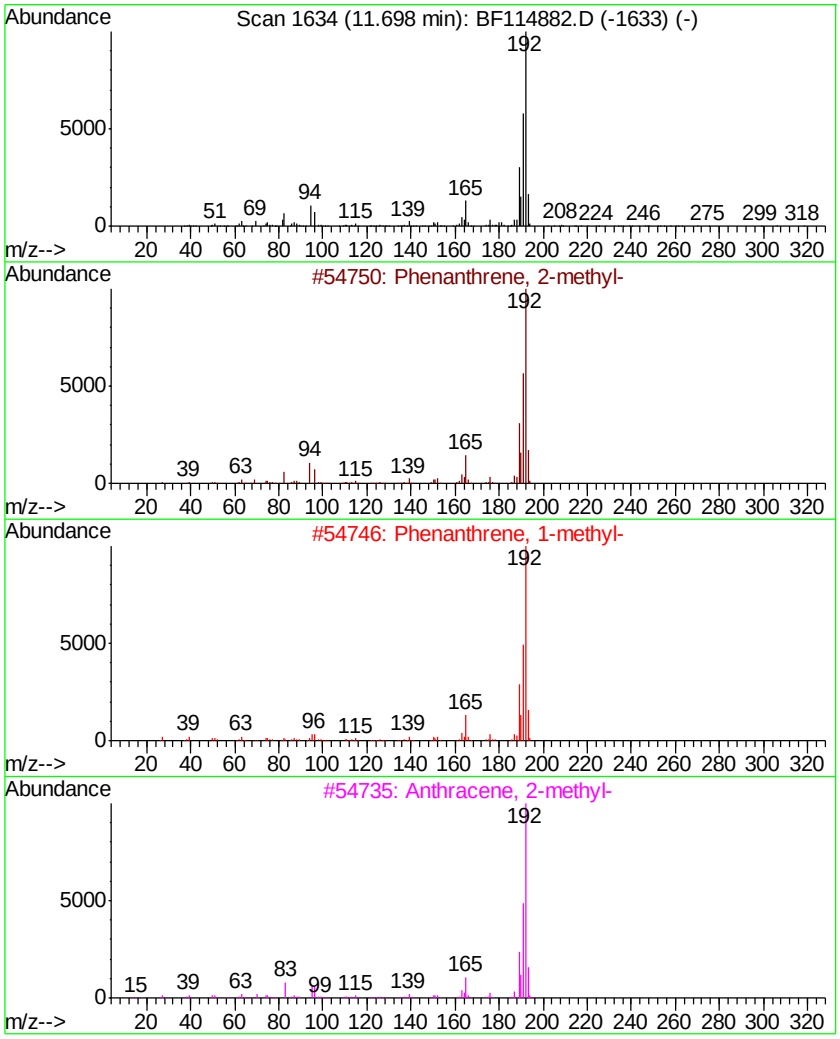
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

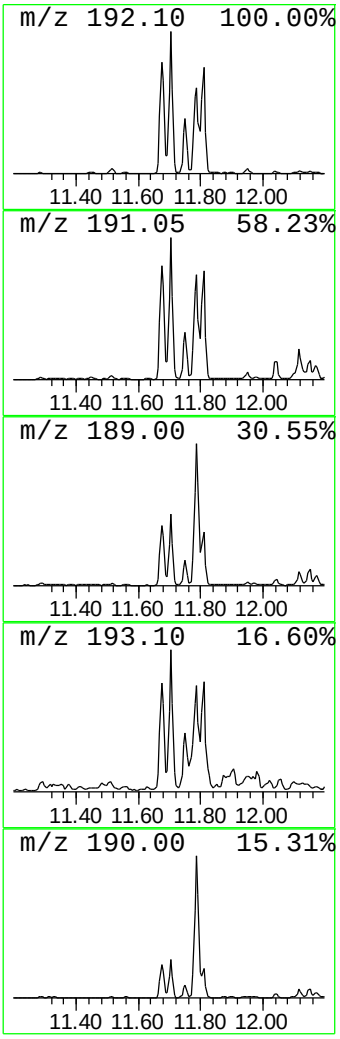
****

Peak Number 11 Phenanthrene, 2-methyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.70	30.49 ng	3967410	Phenanthrene-d10	11.17

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	95
5	1H-Indene, 1-phenyl-	192	C15H12	001961-96-2	94





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF060619\
Data File : BF114882.D
Acq On : 7 Jun 2019 00:15
Operator : HP/JU
Sample : K3105-05 2X
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TRIANGLEDL

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF060419.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

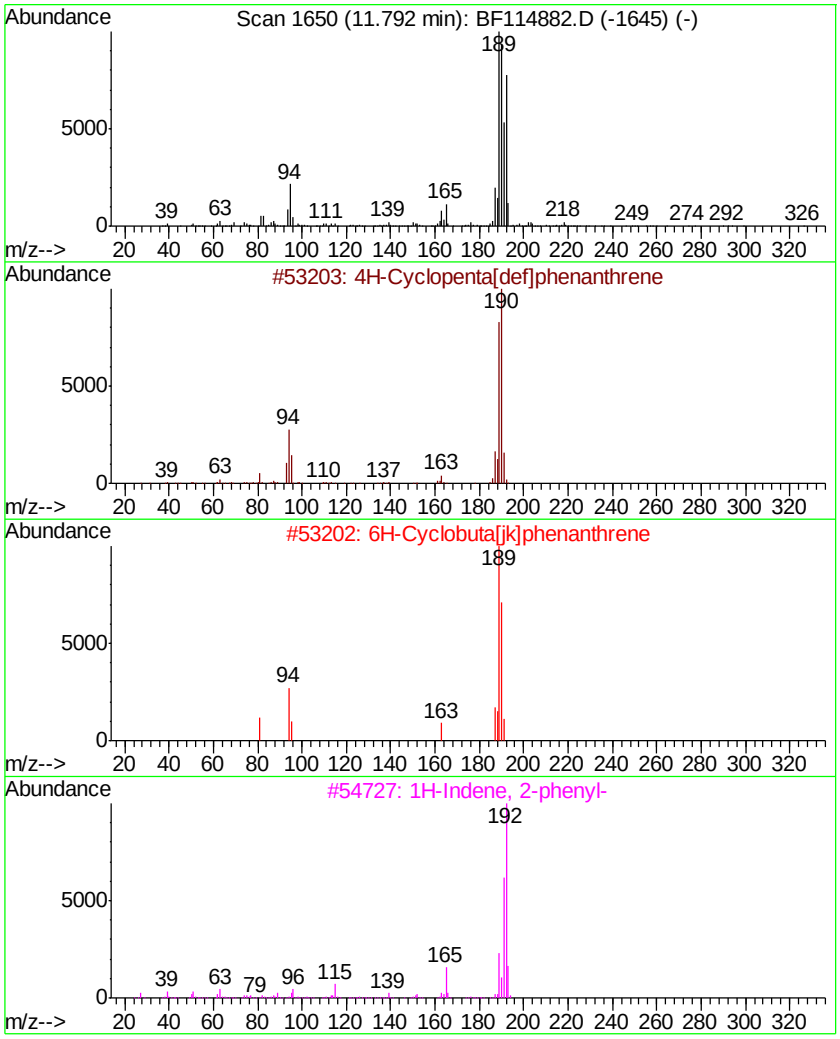
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

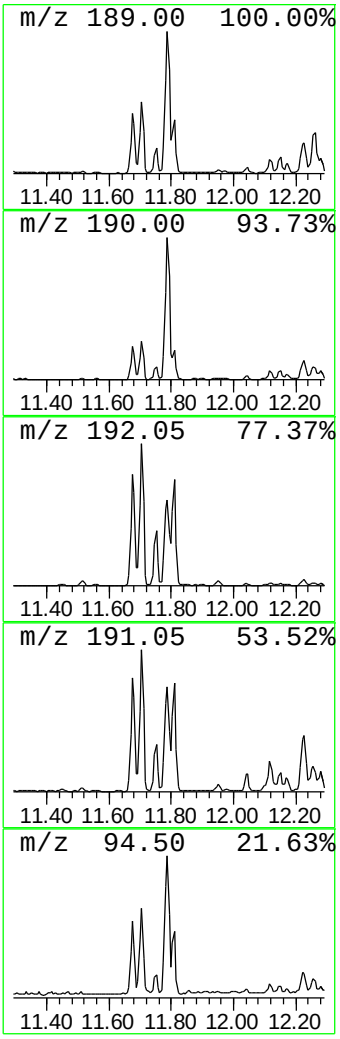
****

Peak Number 13 4H-Cyclopenta[def]phenanthrene Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.79	38.95 ng	5067600	Phenanthrene-d10	11.17

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	60
2	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	52
3	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	42
4	Anthracene, 1-methyl-	192	C15H12	000610-48-0	42
5	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	42





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF060619\
Data File : BF114882.D
Acq On : 7 Jun 2019 00:15
Operator : HP/JU
Sample : K3105-05 2X
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TRIANGLEDL

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF060419.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

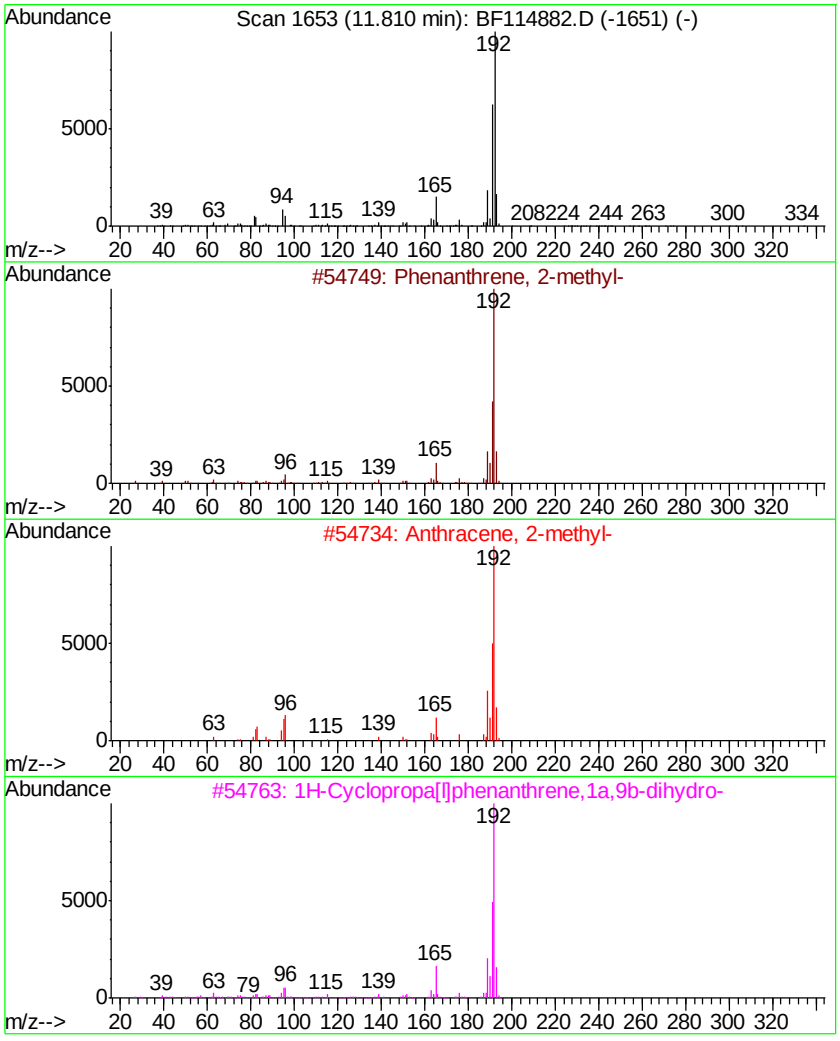
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

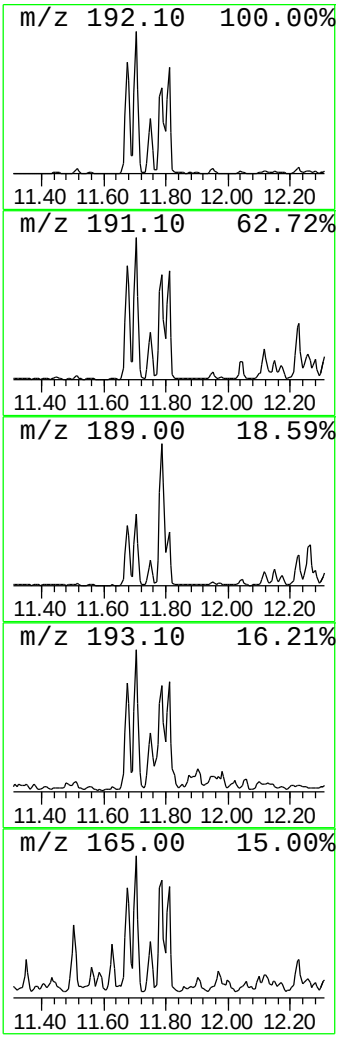
****

Peak Number 14 Anthracene, 2-methyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.81	18.11 ng	2355750	Phenanthrene-d10	11.17

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	94
3	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	93
4	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	93
5	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	93





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF060619\
Data File : BF114882.D
Acq On : 7 Jun 2019 00:15
Operator : HP/JU
Sample : K3105-05 2X
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TRIANGLEDL

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF060419.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

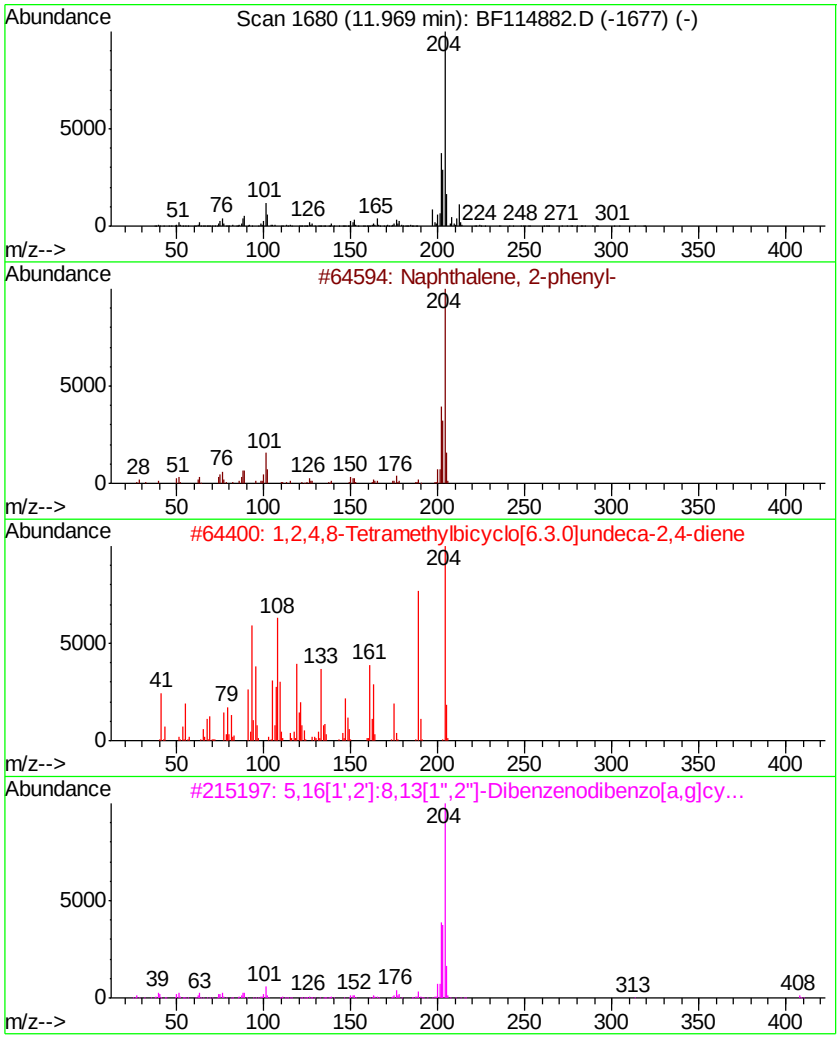
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

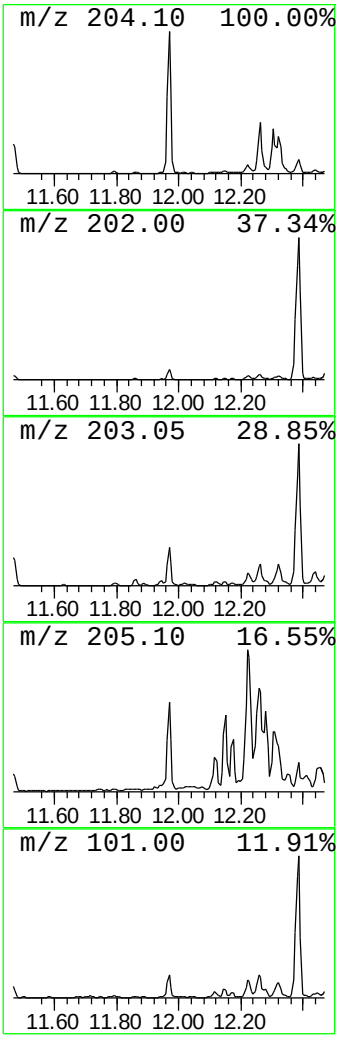
****

Peak Number 15 Naphthalene, 2-phenyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.97	11.86 ng	1543430	Phenanthrene-d10	11.17

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	83
3	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	83
4	Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	64
5	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	64





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF060619\
Data File : BF114882.D
Acq On : 7 Jun 2019 00:15
Operator : HP/JU
Sample : K3105-05 2X
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TRIANGLEDL

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF060419.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

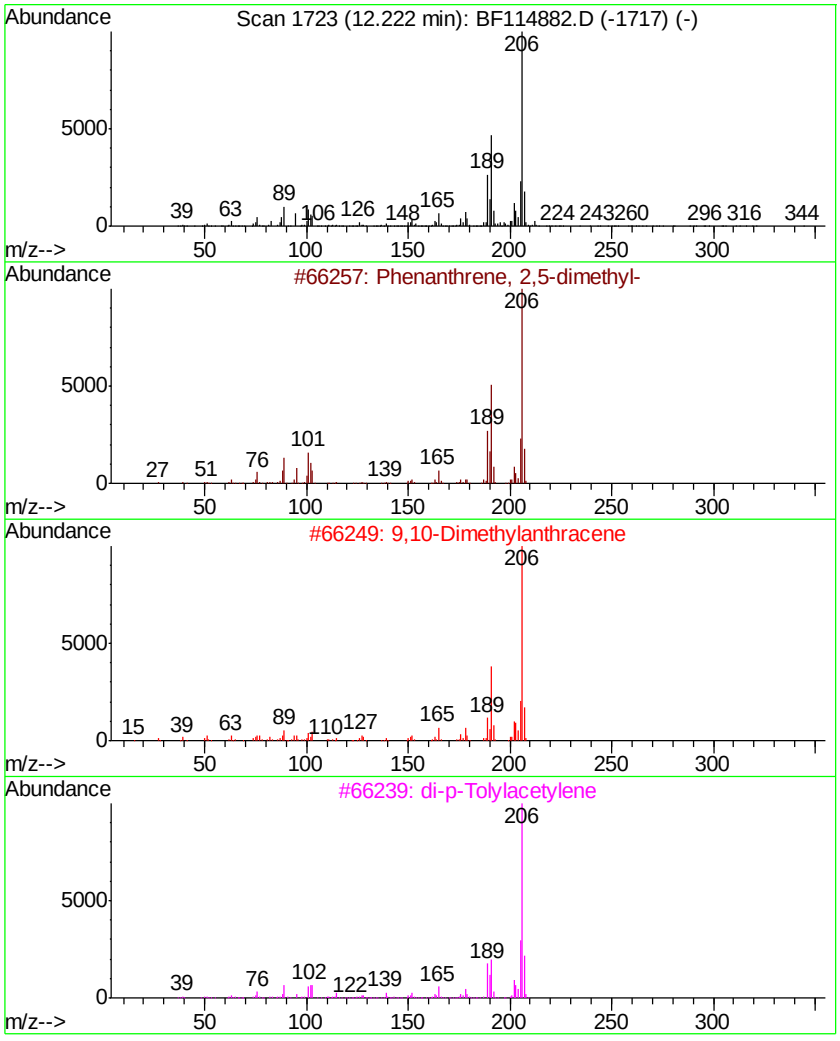
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

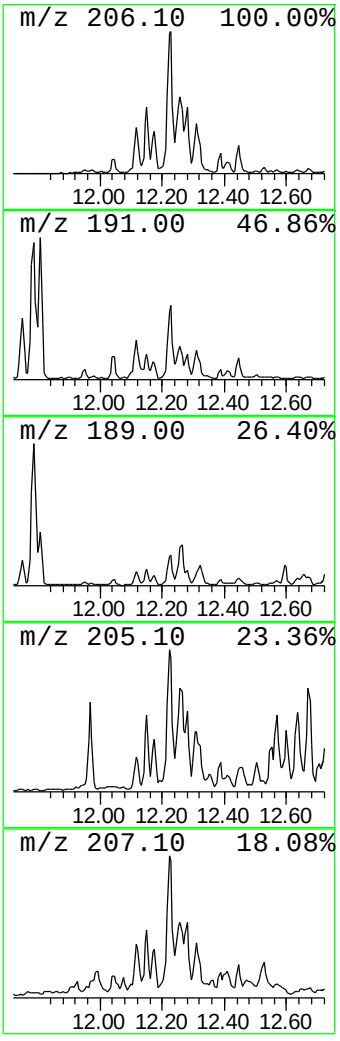
****

Peak Number 16 Phenanthrene, 2,5-dimethyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.22	24.16 ng	3143640	Phenanthrene-d10	11.17

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	di-p-Tolylacetylene	206	C16H14	002789-88-0	95
4	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	93
5	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	93





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF060619\
Data File : BF114882.D
Acq On : 7 Jun 2019 00:15
Operator : HP/JU
Sample : K3105-05 2X
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TRIANGLEDL

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF060419.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

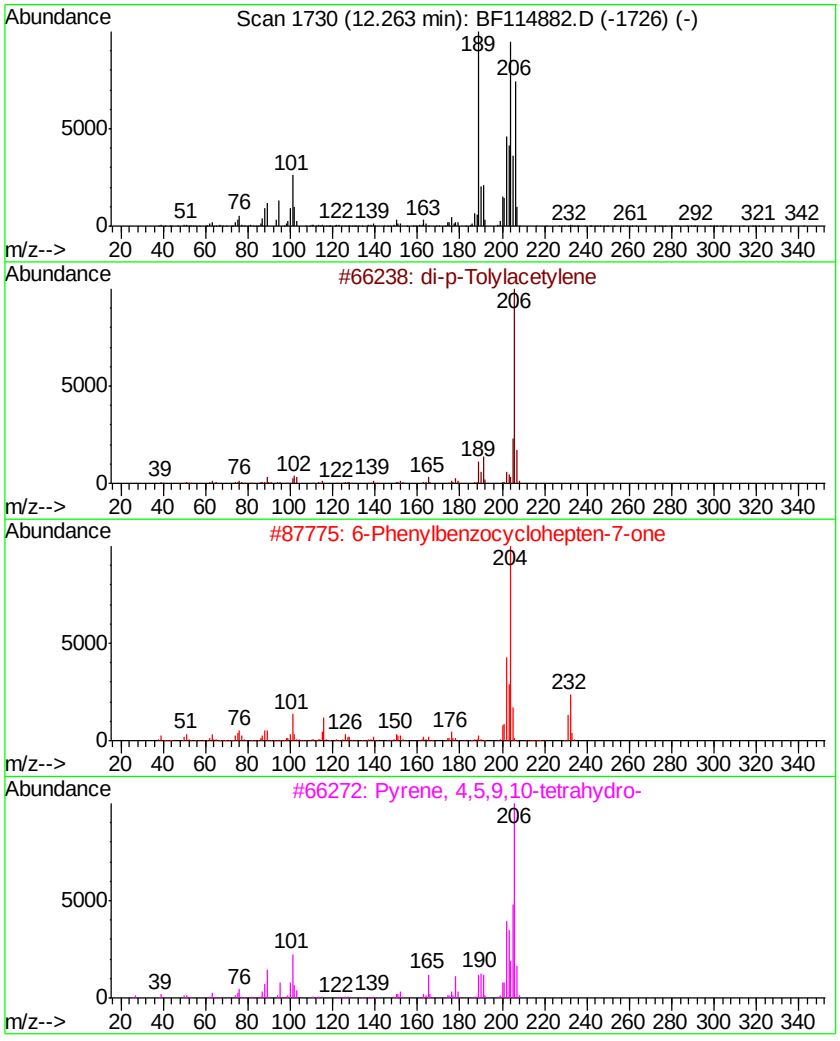
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

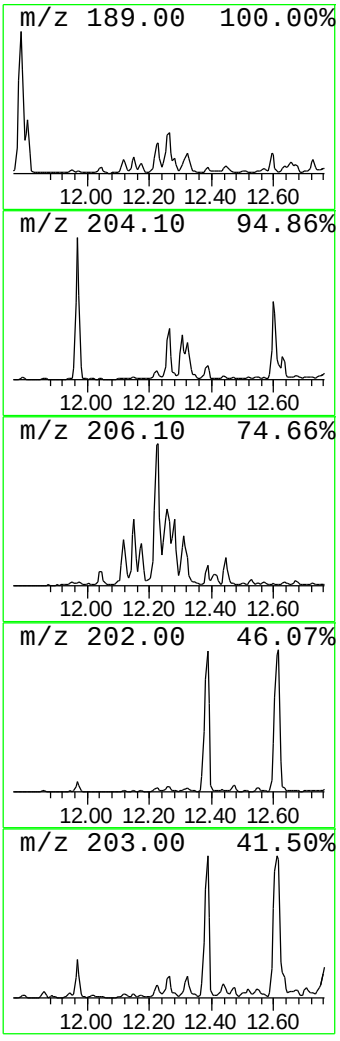
****

Peak Number 17 unknown12.26 Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.26	16.23 ng	2111930	Phenanthrene-d10	11.17

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	di-p-Tolylacetylene	206	C16H14	002789-88-0	46
2	6-Phenylbenzocyclohepten-7-one	232	C17H12O	093327-56-1	38
3	Pyrene, 4,5,9,10-tetrahydro-	206	C16H14	000781-17-9	38
4	Naphthalene, 1,2-dihydro-1-phenyl-	206	C16H14	016606-46-5	38
5	1,3-Butadiene, 1,4-diphenyl-, (E...	206	C16H14	000538-81-8	30





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF060619\
Data File : BF114882.D
Acq On : 7 Jun 2019 00:15
Operator : HP/JU
Sample : K3105-05 2X
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TRIANGLEDL

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF060419.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

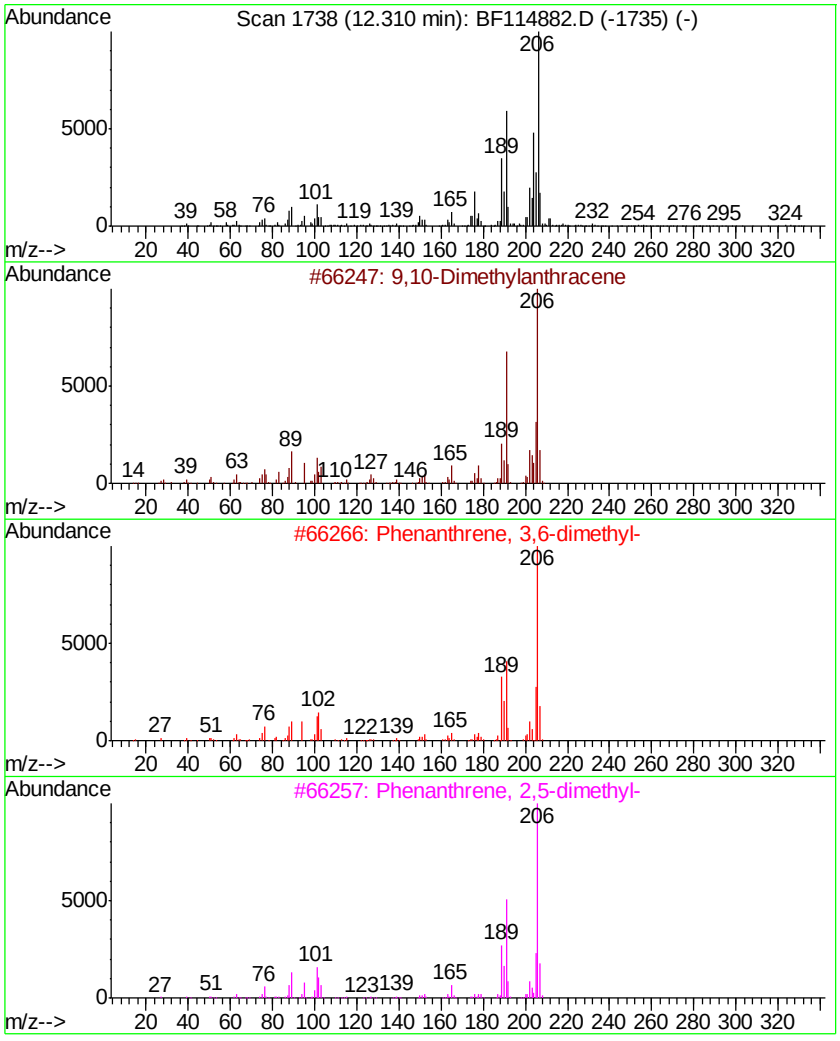
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

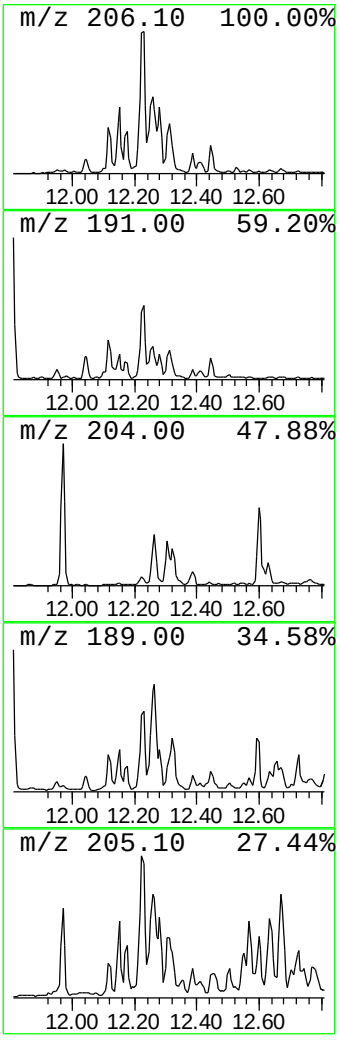
****

Peak Number 18 9,10-Dimethylanthracene Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.31	12.24 ng	1593060	Phenanthrene-d10	11.17

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Dimethylanthracene	206	C16H14	000781-43-1	93
2	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	91
3	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	86
4	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	86
5	1,3-Diphenyl-3-methylcyclopropene	206	C16H14	086544-79-8	83





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF060619\
Data File : BF114882.D
Acq On : 7 Jun 2019 00:15
Operator : HP/JU
Sample : K3105-05 2X
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TRIANGLEDL

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF060419.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

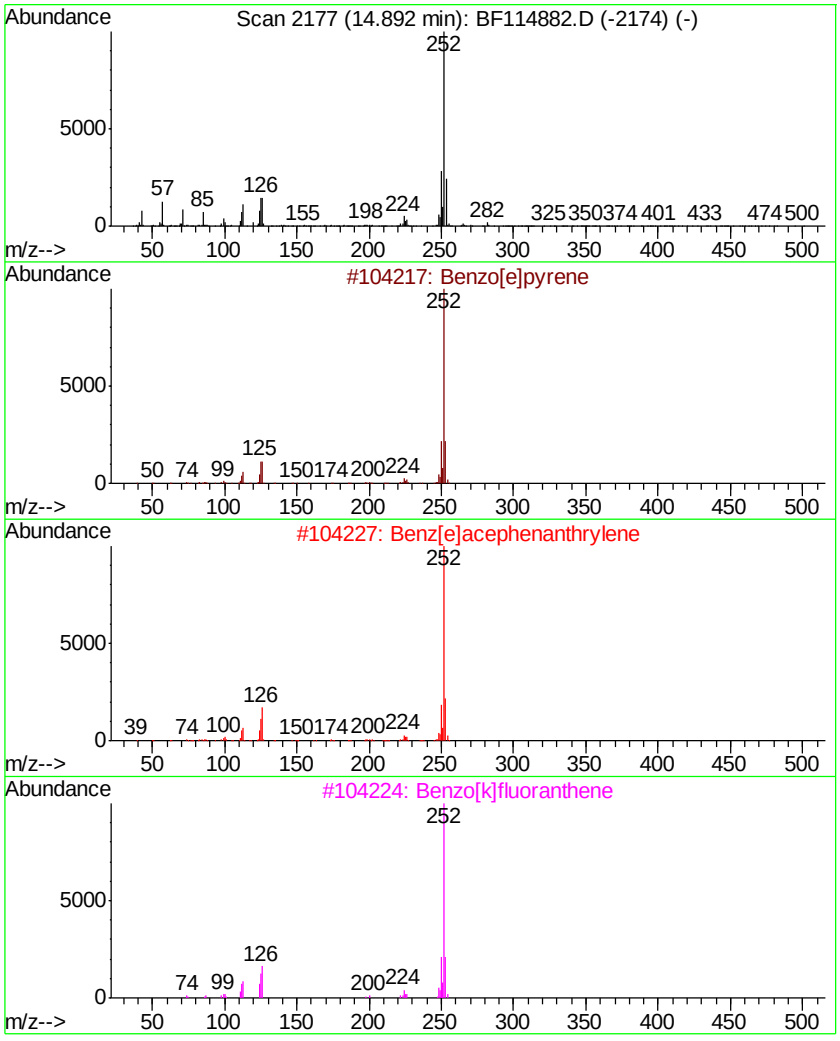
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

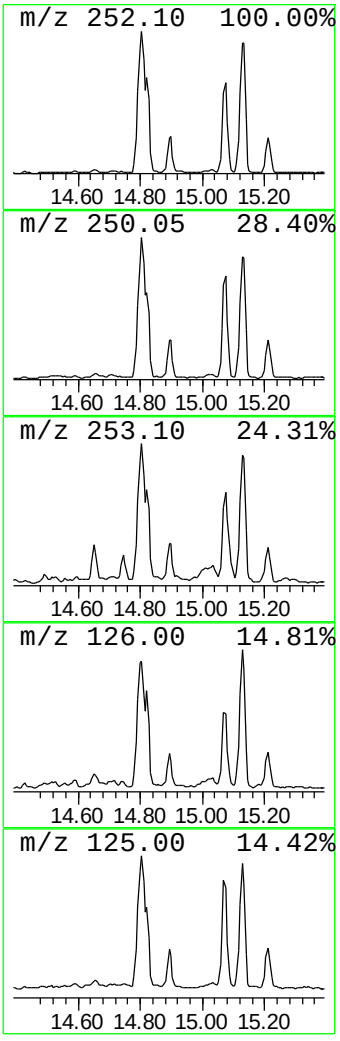
****

Peak Number 19 Benzo[e]pyrene Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.89	14.99 ng	981471	Perylene-d12	15.19

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	97
2	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	96
3	Benzo[k]fluoranthene	252	C20H12	000207-08-9	93
4	Benzo[a]pyrene	252	C20H12	000050-32-8	91
5	Perylene	252	C20H12	000198-55-0	83





Tentatively Identified Compound (LSC) summary

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF060619\
Data File : BF114882.D
Acq On : 7 Jun 2019 00:15
Operator : HP/JU
Sample : K3105-05 2X
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TRIANGLEDL

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF060419.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
unknown6.44	6.44	44.1	ng	3919680	1	6.67	1778500	20.0
Naphthalene, 2,7-...	9.29	12.2	ng	1897150	3	9.70	3112880	20.0
Naphthalene, 2,3-...	9.36	17.3	ng	2687970	3	9.70	3112880	20.0
9H-Fluorene, 2-me...	10.79	15.8	ng	2050880	4	11.17	2602060	20.0
9H-Fluorene, 3-me...	10.82	8.5	ng	1107920	4	11.17	2602060	20.0
Dibenzothiophene	11.07	9.3	ng	1207970	4	11.17	2602060	20.0
Dibenzothiophene,...	11.50	9.5	ng	1230830	4	11.17	2602060	20.0
Anthracene, 9-met...	11.67	28.1	ng	3650900	4	11.17	2602060	20.0
Phenanthrene, 2-m...	11.70	30.5	ng	3967410	4	11.17	2602060	20.0
4H-Cyclopenta[def...	11.79	39.0	ng	5067600	4	11.17	2602060	20.0
Anthracene, 2-met...	11.81	18.1	ng	2355750	4	11.17	2602060	20.0
Naphthalene, 2-ph...	11.97	11.9	ng	1543430	4	11.17	2602060	20.0
Phenanthrene, 2,5...	12.22	24.2	ng	3143640	4	11.17	2602060	20.0
unknown12.26	12.26	16.2	ng	2111930	4	11.17	2602060	20.0
9,10-Dimethylanth...	12.31	12.2	ng	1593060	4	11.17	2602060	20.0
Benzo[e]pyrene	14.89	15.0	ng	981471	6	15.19	1309480	20.0