LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF112618\
Data File : BF110977.D
Acq On : 26 Nov 2018 21:28
Operator : JU/SJ
Sample : J5770-07 2X
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : OR-02-112118-B

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-BF112618.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.216	18	22	29	rVB	34870	49431	7.69%	0.410%
2	5.169	522	524	534	rBV2	8758	17262	2.69%	0.143%
3	5.557	587	590	616	rBV	399285	569905	88.70%	4.724%
4	6.563	758	761	782	rBV	427384	640907	99.75%	5.312%
5	6.710	782	786	801	rVB	612159	637036	99.15%	5.280%
6	6.939	821	825	838	rVB	343575	349035	54.32%	2.893%
7	7.092	847	851	866	rBV	478915	468403	72.90%	3.882%
8	7.504	918	921	942	rBV	224062	337187	52.48%	2.795%
9	8.222	1039	1043	1063	rBV	356453	434326	67.60%	3.600%
10	8.945	1162	1166	1171	rBV	18428	24669	3.84%	0.204%
11	9.039	1178	1182	1188	rBV	29708	33241	5.17%	0.276%
12	9.292	1221	1225	1233	rBV	616433	560804	87.28%	4.648%
13	9.498	1257	1260	1266	rVB3	5256	7314	1.14%	0.061%
14	9.569	1268	1272	1276	rVV	19263	25747	4.01%	0.213%
15	9.639	1280	1284	1286	rVV	36064	39685	6.18%	0.329%
16	9.669	1286	1289	1290	rVV2	25309	25370	3.95%	0.210%
17	9.686	1290	1292	1301	rVV	55010	65598	10.21%	0.544%
18	9.757	1301	1304	1310	rVB	17842	25390	3.95%	0.210%
19	9.845	1315	1319	1323	rBV2	30938	31984	4.98%	0.265%
20	9.980	1339	1342	1345	rBV	443591	371875	57.88%	3.082%
21	10.016	1345	1348	1355	rVB	97192	103616	16.13%	0.859%
22	10.086	1355	1360	1364	rBV3	10377	13880	2.16%	0.115%
23	10.192	1372	1378	1381	rBV2	49236	56890	8.85%	0.472%
24	10.222	1381	1383	1388	rVB	20032	15732	2.45%	0.130%
25	10.292	1393	1395	1398	rBV	17256	17235	2.68%	0.143%
26	10.327	1398	1401	1404	rVB	10946	9595	1.49%	0.080%
27	10.386	1407	1411	1413	rBV	26299	25811	4.02%	0.214%
28	10.445	1418	1421	1424	rBV3	6956	7880	1.23%	0.065%
29	10.474	1424	1426	1429	rVB3	9431	7569	1.18%	0.063%
30	10.533	1432	1436	1442	rVB	122873	118436	18.43%	0.982%
31	10.598	1442	1447	1449	rBV3	19790	29876	4.65%	0.248%
32	10.686	1460	1462	1466	rVB	20903	20371	3.17%	0.169%
33	10.774	1472	1477	1483	rBV2	280235	325809	50.71%	2.701%
34	10.869	1489	1493	1495	rBV4	11010	13225	2.06%	0.110%

LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF112618\
Data File : BF110977.D
Acq On : 26 Nov 2018 21:28
Operator : JU/SJ
Sample : J5770-07 2X
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : OR-02-112118-B

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-BF112618.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	11.080	1522	1529	1532	rBV	30759	40793	6.35%	0.338%
36	11.110	1532	1534	1537	rVV	20429	17133	2.67%	0.142%
37	11.163	1540	1543	1546	rVB3	12742	11416	1.78%	0.095%
38	11.204	1546	1550	1553	rBV4	10175	14252	2.22%	0.118%
39	11.227	1553	1554	1560	rVB3	7145	7445	1.16%	0.062%
40	11.298	1560	1566	1568	rBV2	13990	20427	3.18%	0.169%
41	11.374	1576	1579	1583	rVB	51349	44834	6.98%	0.372%
42	11.474	1593	1596	1598	rBV	399659	366540	57.05%	3.038%
43	11.504	1598	1601	1606	rVV	718621	642522	100.00%	5.326%
44	11.557	1606	1610	1616	rVV	185560	181939	28.32%	1.508%
45	11.716	1634	1637	1643	rBV2	39022	50204	7.81%	0.416%
46	11.763	1643	1645	1648	rVV	14137	9862	1.53%	0.082%
47	11.810	1648	1653	1659	rVB2	27662	33237	5.17%	0.275%
48	11.898	1664	1668	1672	rBV2	19056	27558	4.29%	0.228%
49	11.980	1678	1682	1685	rBV	113650	119890	18.66%	0.994%
50	12.010	1685	1687	1693	rVB	125591	105867	16.48%	0.878%
51	12.057	1693	1695	1698	rBV	41539	37273	5.80%	0.309%
52	12.092	1698	1701	1704	rVV2	142712	170951	26.61%	1.417%
53	12.116	1704	1705	1708	rVB	67901	44684	6.95%	0.370%
54	12.274	1729	1732	1736	rBV	62404	61881	9.63%	0.513%
55	12.321	1736	1740	1743	rVB2	24105	28334	4.41%	0.235%
56	12.421	1752	1757	1760	rBV3	26213	32524	5.06%	0.270%
57	12.457	1760	1763	1765	rVV	28204	24162	3.76%	0.200%
58	12.480	1765	1767	1772	rVB	22280	19511	3.04%	0.162%
59	12.527	1772	1775	1778	rBV	87743	87091	13.55%	0.722%
60	12.568	1778	1782	1784	rVV2	31578	41400	6.44%	0.343%
61	12.616	1787	1790	1791	rBV	19186	17077	2.66%	0.142%
62	12.633	1791	1793	1800	rVB3	43767	55763	8.68%	0.462%
63	12.698	1800	1804	1808	rBV	689300	614945	95.71%	5.097%
64	12.733	1808	1810	1812	rVB2	18924	16517	2.57%	0.137%
65	12.757	1812	1814	1819	rBV4	19778	23557	3.67%	0.195%
66	12.798	1819	1821	1826	rVB3	13547	17341	2.70%	0.144%
67	12.851	1826	1830	1832	rBV2	45369	48545	7.56%	0.402%
68	12.910	1836	1840	1841	rBV2	107292	99353	15.46%	0.824%
69	12.933	1841	1844	1849	rVB	560505	524300	81.60%	4.346%
70	12.980	1849	1852	1855	rVB	35400	37259	5.80%	0.309%
71	13.027	1858	1860	1862	rBV3	9140	8824	1.37%	0.073%

LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF112618\
Data File : BF110977.D
Acq On : 26 Nov 2018 21:28
Operator : JU/SJ
Sample : J5770-07 2X
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : OR-02-112118-B

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-BF112618.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

72	13.057	1862	1865	1868	rBV	595758	496851	77.33%	4.118%
73	13.145	1876	1880	1885	rVB3	42938	74311	11.57%	0.616%
74	13.192	1885	1888	1891	rBV4	18383	24898	3.88%	0.206%
75	13.257	1892	1899	1904	rVV	93547	149800	23.31%	1.242%
76	13.327	1908	1911	1913	rVV	69870	70045	10.90%	0.581%
77	13.363	1913	1917	1924	rVV2	57646	102578	15.96%	0.850%
78	13.421	1924	1927	1931	rVV5	13421	23356	3.64%	0.194%
79	13.457	1931	1933	1936	rVV	52831	52341	8.15%	0.434%
80	13.492	1936	1939	1948	rVB2	45576	71995	11.21%	0.597%
81	13.604	1955	1958	1960	rVB3	21027	17756	2.76%	0.147%
82	13.886	2003	2006	2008	rBV2	40701	41043	6.39%	0.340%
83	13.933	2011	2014	2021	rVB4	51765	80079	12.46%	0.664%
84	14.133	2043	2048	2051	rBV2	364352	509892	79.36%	4.226%
85	14.162	2051	2053	2058	rVB	157211	146400	22.79%	1.213%
86	14.245	2064	2067	2070	rBV	65764	64191	9.99%	0.532%
87	14.521	2112	2114	2117	rBV	32057	30136	4.69%	0.250%
88	14.551	2117	2119	2123	rVB2	49455	47945	7.46%	0.397%
89	14.868	2170	2173	2180	rBV	60371	78932	12.28%	0.654%
90	15.215	2228	2232	2235	rBV	155559	202046	31.45%	1.675%
91	15.539	2284	2287	2293	rBV	55835	67528	10.51%	0.560%
92	15.609	2295	2299	2305	rVB	143070	184288	28.68%	1.528%
93	15.674	2306	2310	2314	rBV	138165	181808	28.30%	1.507%
94	16.056	2372	2375	2383	rVB2	60601	108347	16.86%	0.898%
95	16.580	2462	2464	2470	rVB3	33965	51721	8.05%	0.429%

Sum of corrected areas: 12064592

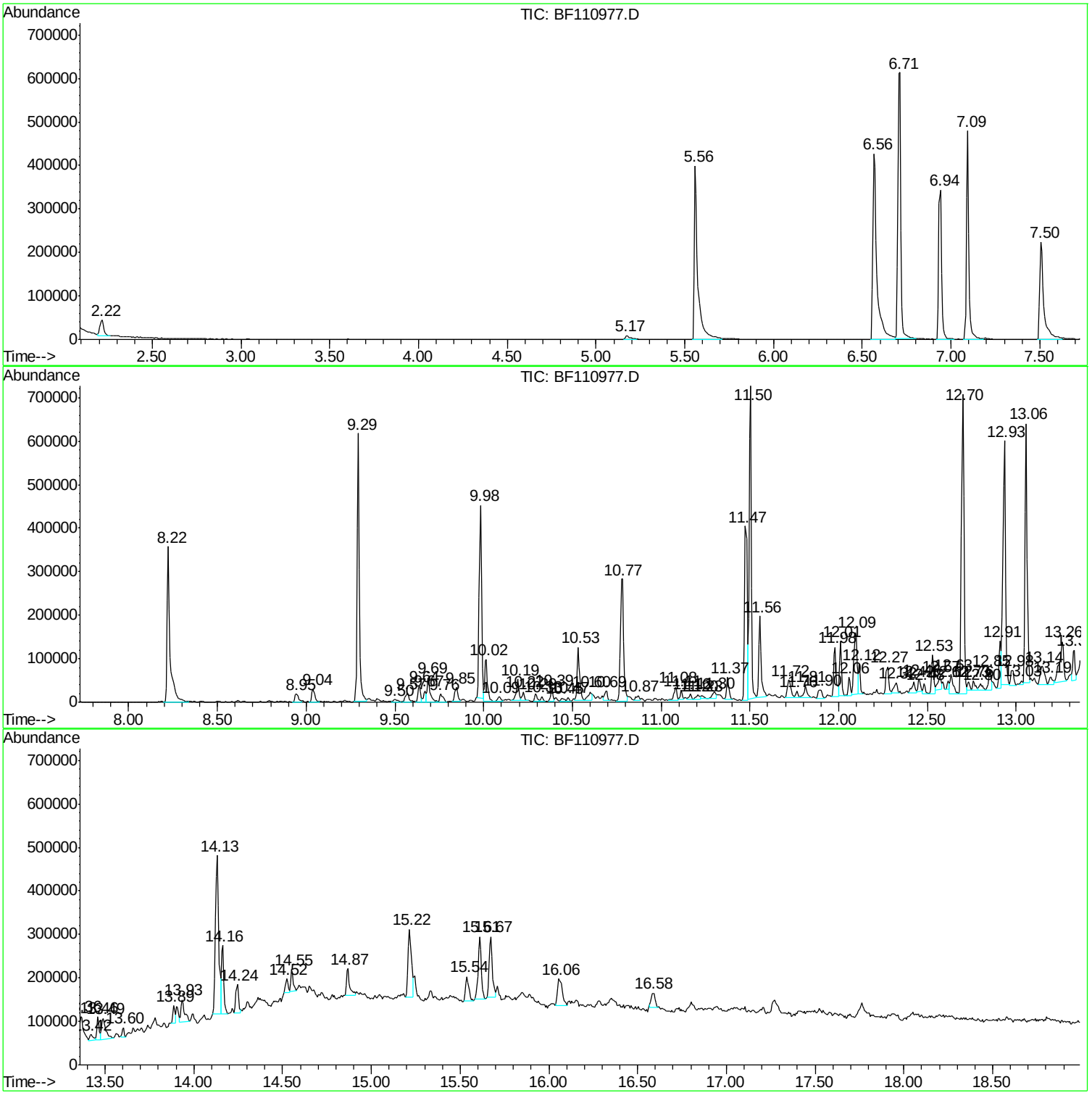
LSC Report - Integrated Chromatogram

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF112618\
Data File : BF110977.D
Acq On : 26 Nov 2018 21:28
Operator : JU/SJ
Sample : J5770-07 2X
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
OR-02-112118-B

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF112618.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF112618\
Data File : BF110977.D
Acq On : 26 Nov 2018 21:28
Operator : JU/SJ
Sample : J5770-07 2X
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : OR-02-112118-B

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF112618.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

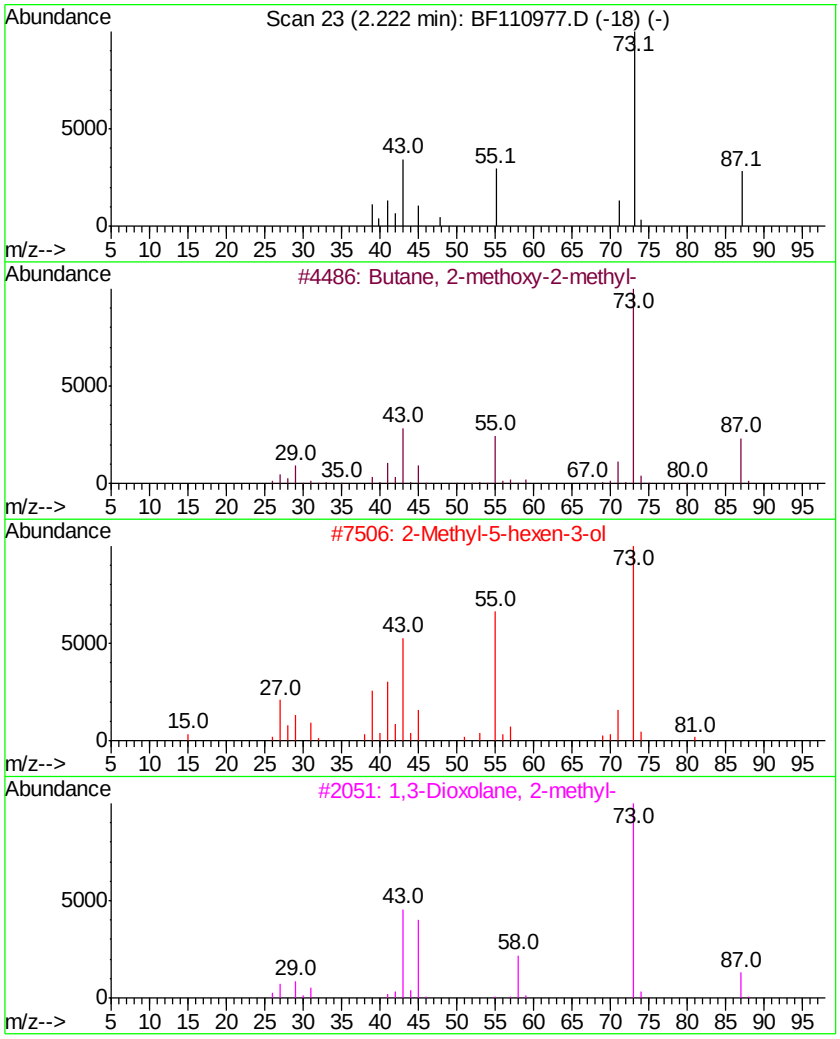
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

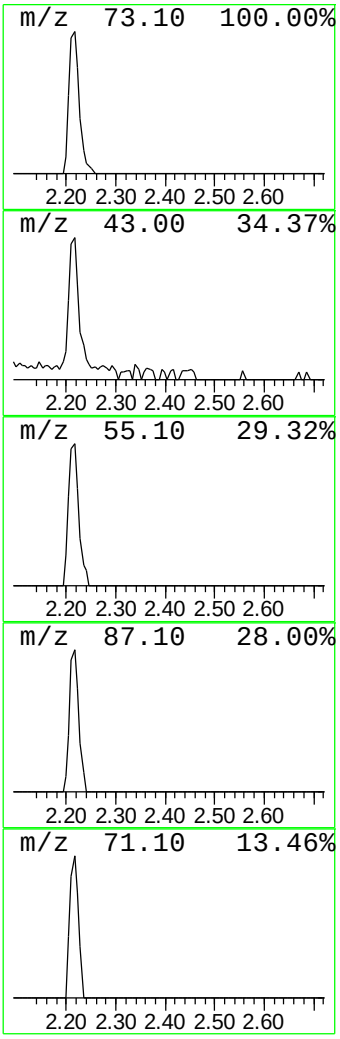
****

Peak Number 1 Butane, 2-methoxy-2-methyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.22	2.83 ng	49431	1,4-Dichlorobenzene-d4	6.94

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butane, 2-methoxy-2-methyl-	102	C6H14O	000994-05-8	83
2	2-Methyl-5-hexen-3-ol	114	C7H14O	032815-70-6	40
3	1,3-Dioxolane, 2-methyl-	88	C4H8O2	000497-26-7	17
4	Silane, tetramethyl-	88	C4H12Si	000075-76-3	9
5	Acetamide, N-ethyl-	87	C4H9NO	000625-50-3	9





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF112618\
Data File : BF110977.D
Acq On : 26 Nov 2018 21:28
Operator : JU/SJ
Sample : J5770-07 2X
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : OR-02-112118-B

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF112618.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

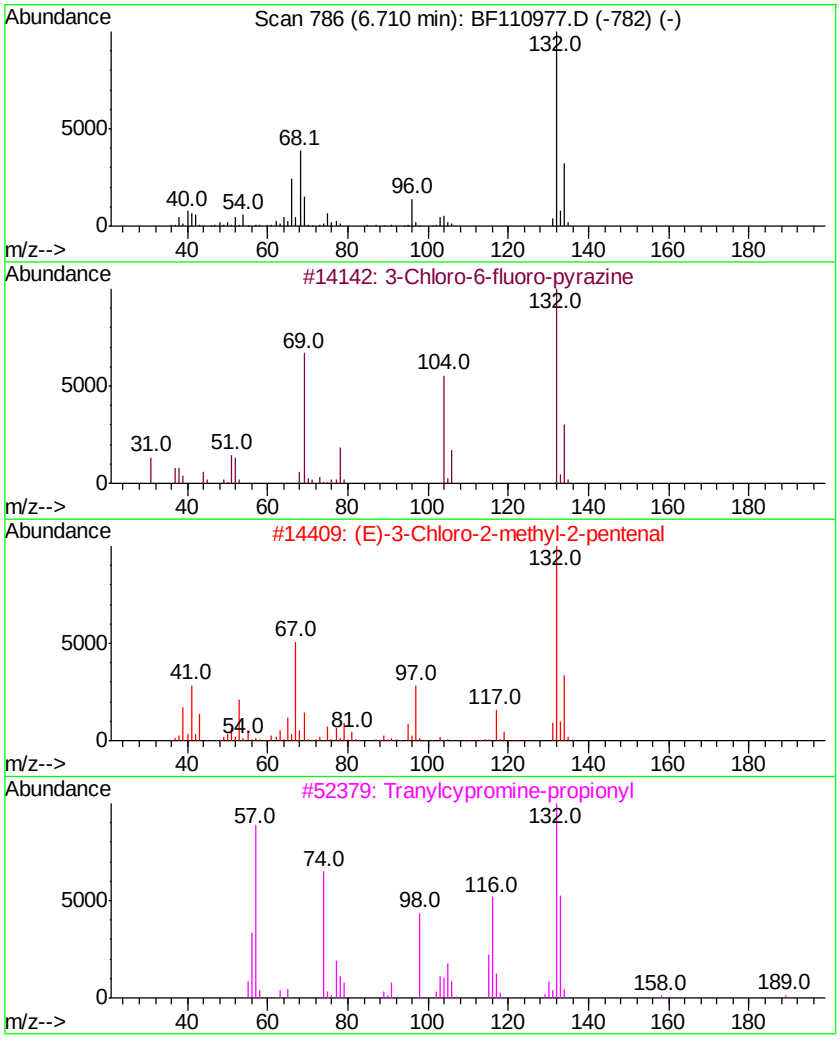
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

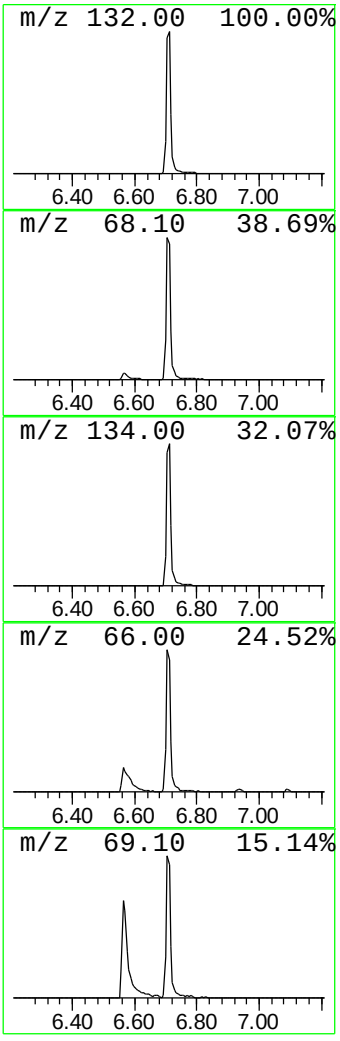
****

Peak Number 2 unknown6.71 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.71	36.50 ng	637036	1,4-Dichlorobenzene-d4	6.94

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	16
3	Tranylcypromine-propionyl	189	C12H15NO	1000123-86-3	12
4	Bicyclo[4.2.0]octa-1,3,5-triene,...	132	C10H12	028749-81-7	9
5	5-Fluoro-2-chloropyrimidine	132	C4H2ClFN2	062802-42-0	9





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF112618\
Data File : BF110977.D
Acq On : 26 Nov 2018 21:28
Operator : JU/SJ
Sample : J5770-07 2X
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : OR-02-112118-B

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF112618.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

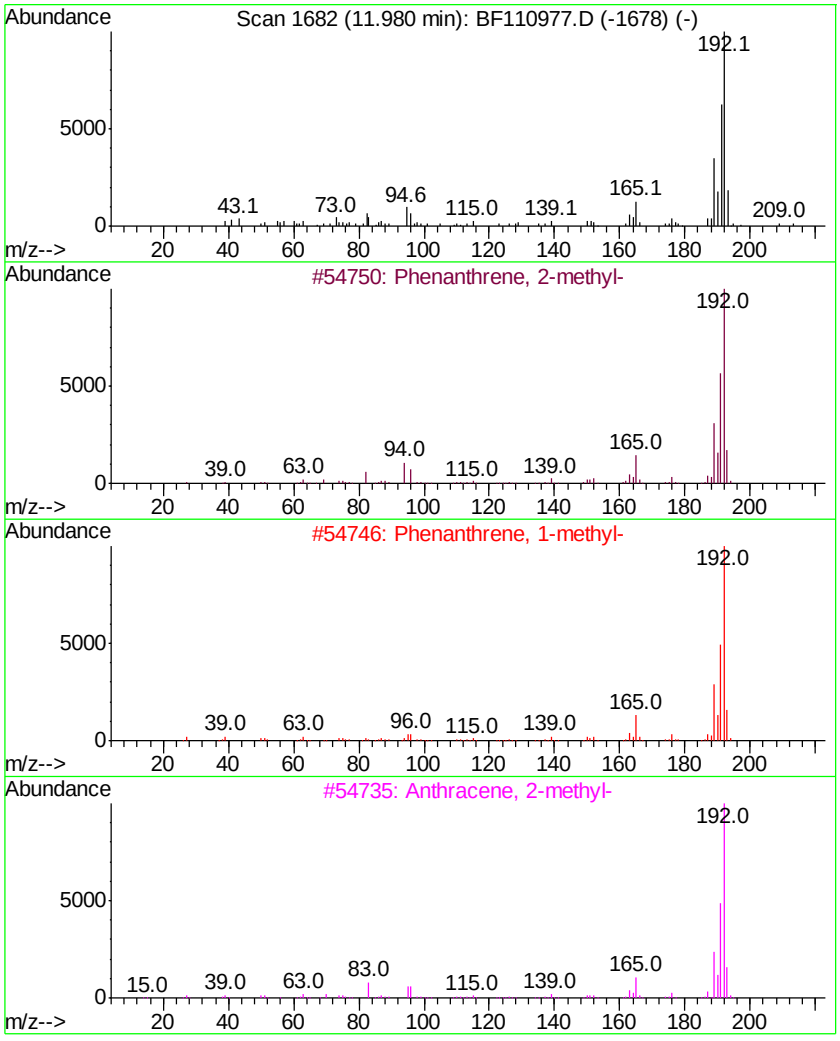
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

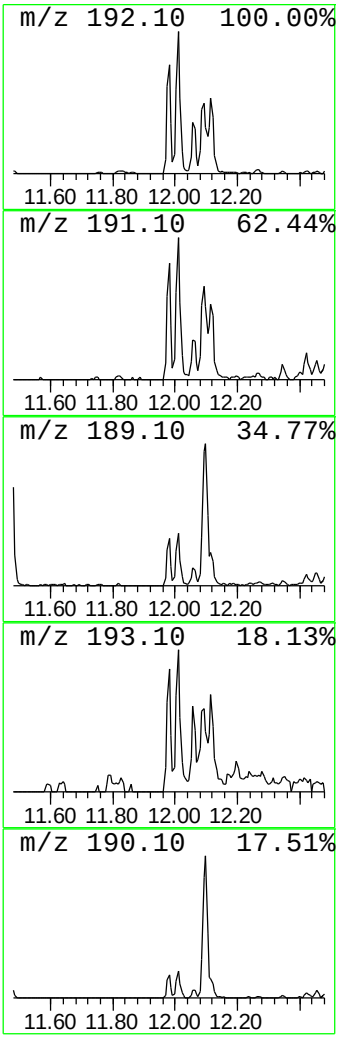
****

Peak Number 4 Phenanthrene, 2-methyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.98	6.54 ng	119890	Phenanthrene-d10	11.47

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	93
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	93
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	93
4	Anthracene, 1-methyl-	192	C15H12	000610-48-0	91
5	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	90





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF112618\
Data File : BF110977.D
Acq On : 26 Nov 2018 21:28
Operator : JU/SJ
Sample : J5770-07 2X
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : OR-02-112118-B

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF112618.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

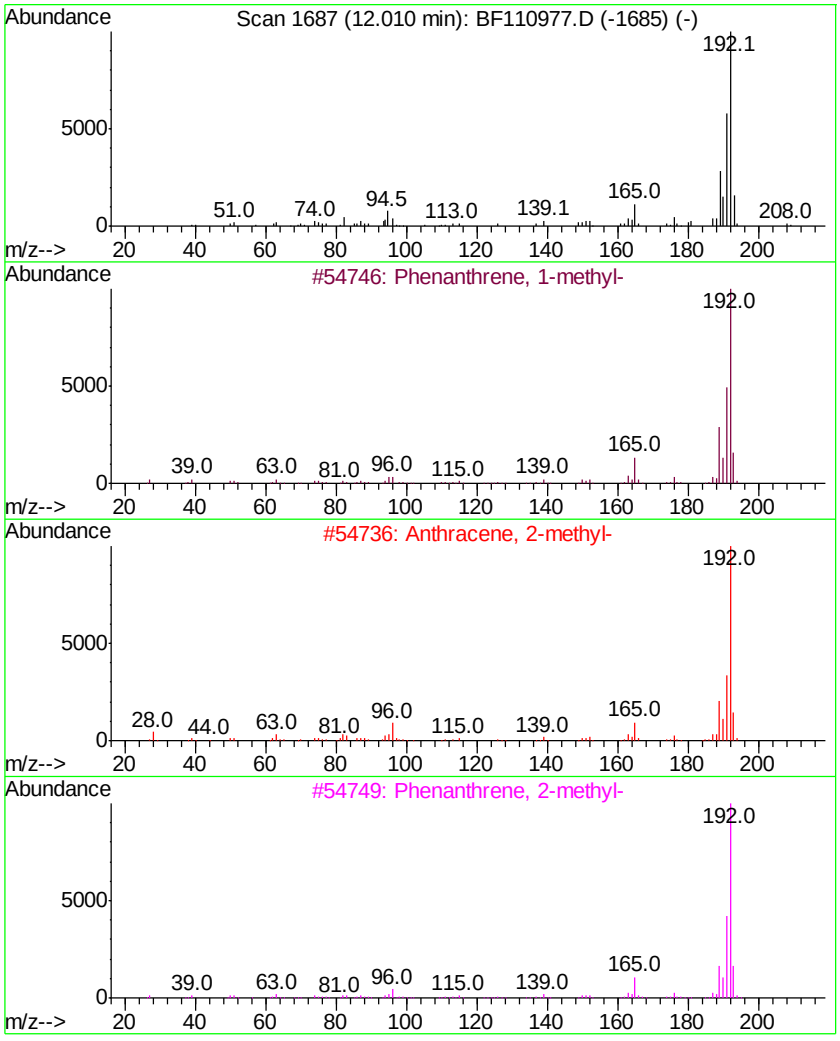
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

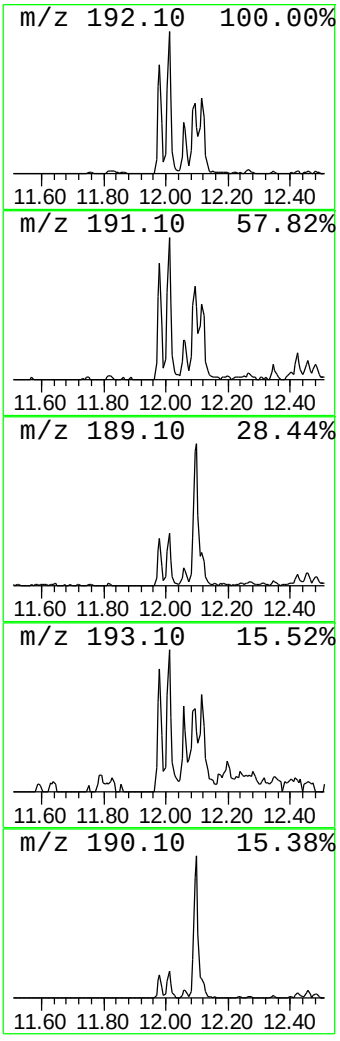
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.01	5.78 ng	105867	Phenanthrene-d10	11.47

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	96
2	Anthracene, 2-methyl-	192	C15H12	000613-12-7	94
3	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	94
4	Anthracene, 9-methyl-	192	C15H12	000779-02-2	94
5	Anthracene, 1-methyl-	192	C15H12	000610-48-0	90





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF112618\
Data File : BF110977.D
Acq On : 26 Nov 2018 21:28
Operator : JU/SJ
Sample : J5770-07 2X
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : OR-02-112118-B

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF112618.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

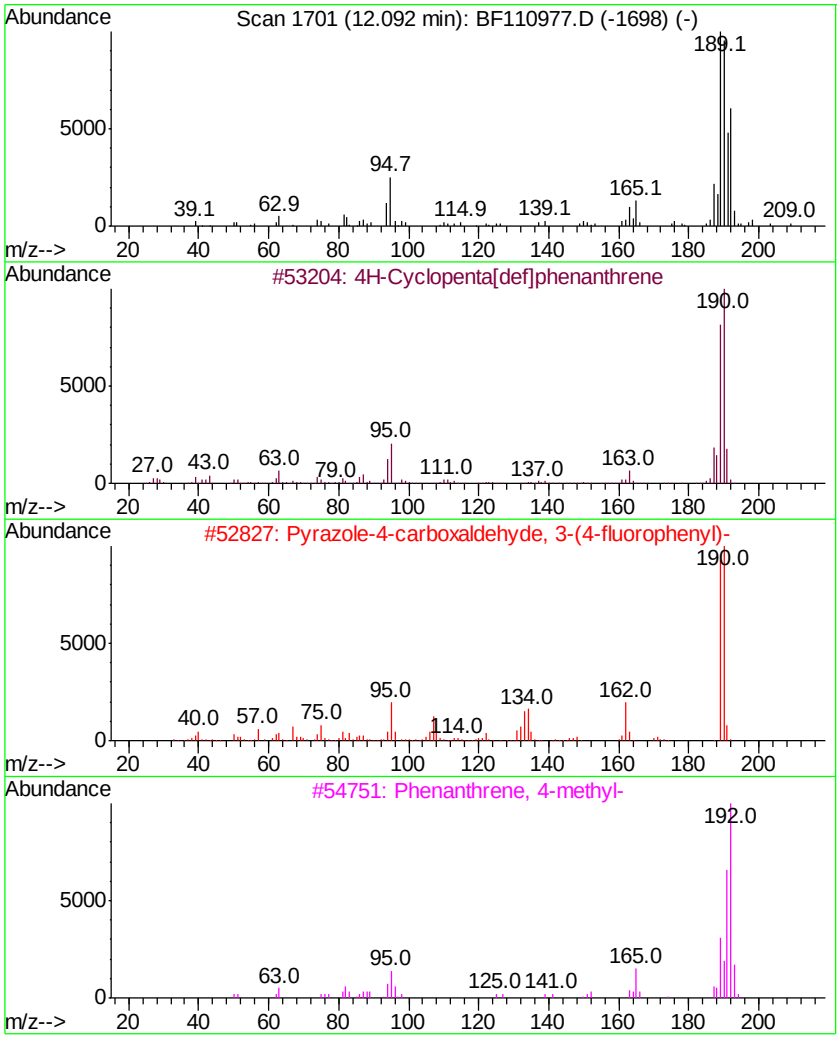
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

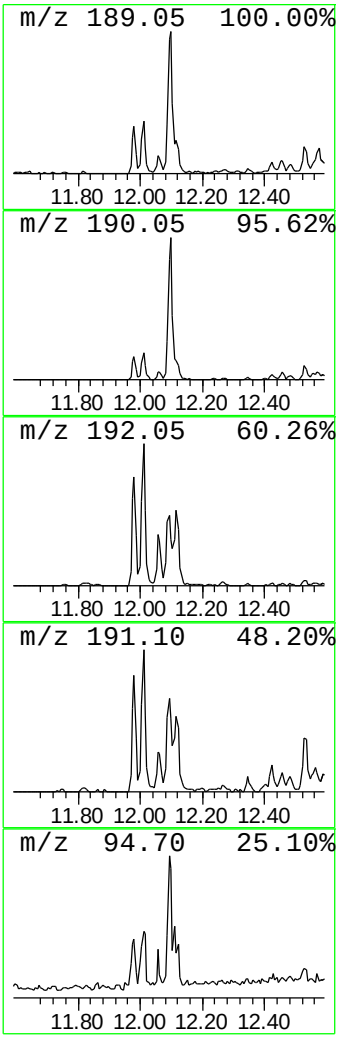
****

Peak Number 6 4H-Cyclopenta[def]phenanthrene Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.09	9.33 ng	170951	Phenanthrene-d10	11.47

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	93
2	Pyrazole-4-carboxaldehyde, 3-(4-...	190	C10H7FN2O	306936-57-2	46
3	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	38
4	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	25
5	5H-Dibenzo[a,d]cycloheptene	192	C15H12	000256-81-5	18





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF112618\
Data File : BF110977.D
Acq On : 26 Nov 2018 21:28
Operator : JU/SJ
Sample : J5770-07 2X
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : OR-02-112118-B

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF112618.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

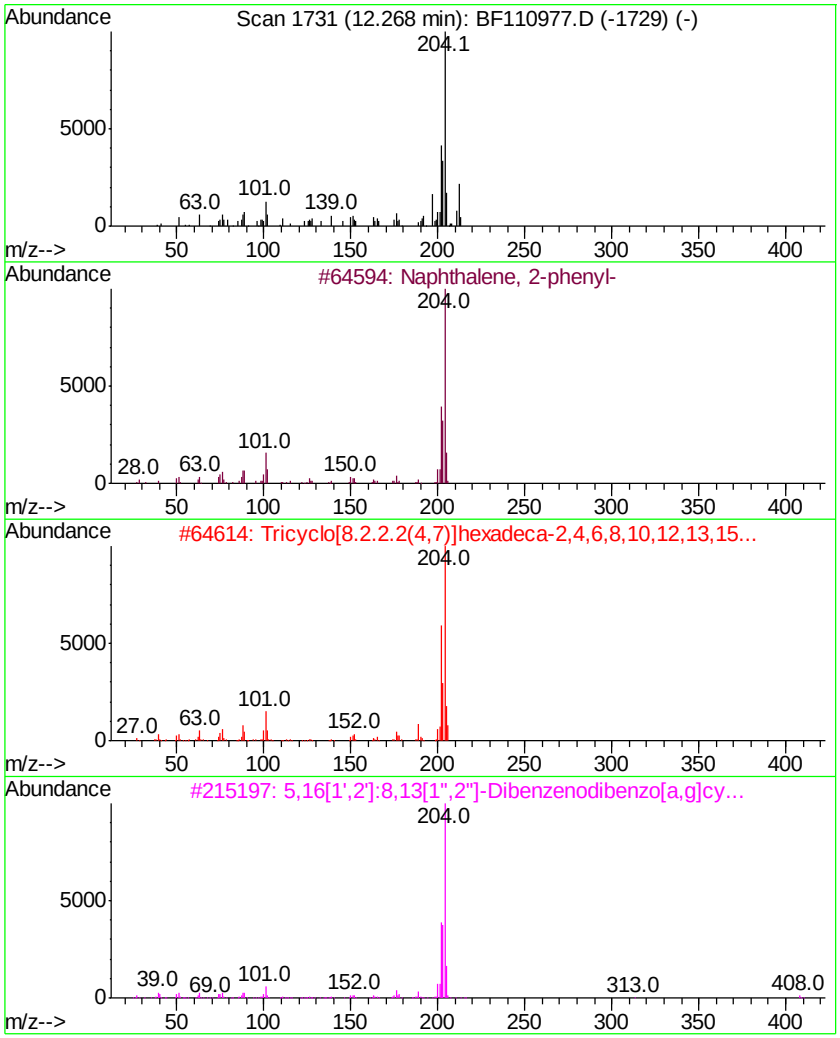
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

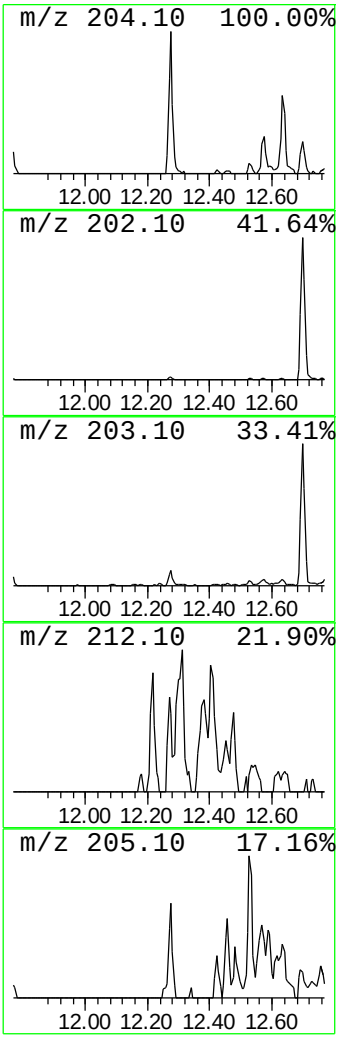
****

Peak Number 7 Naphthalene, 2-phenyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.27	3.38 ng	61881	Phenanthrene-d10	11.47

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	89
2	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	89
3	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	80
4	[1,1'-Biphenyl]-4,4'-dicarbonitrile	204	C14H8N2	001591-30-6	60
5	[1,1'-Biphenyl]-2,2'-dicarbonitrile	204	C14H8N2	004341-02-0	53





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF112618\
Data File : BF110977.D
Acq On : 26 Nov 2018 21:28
Operator : JU/SJ
Sample : J5770-07 2X
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : OR-02-112118-B

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF112618.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

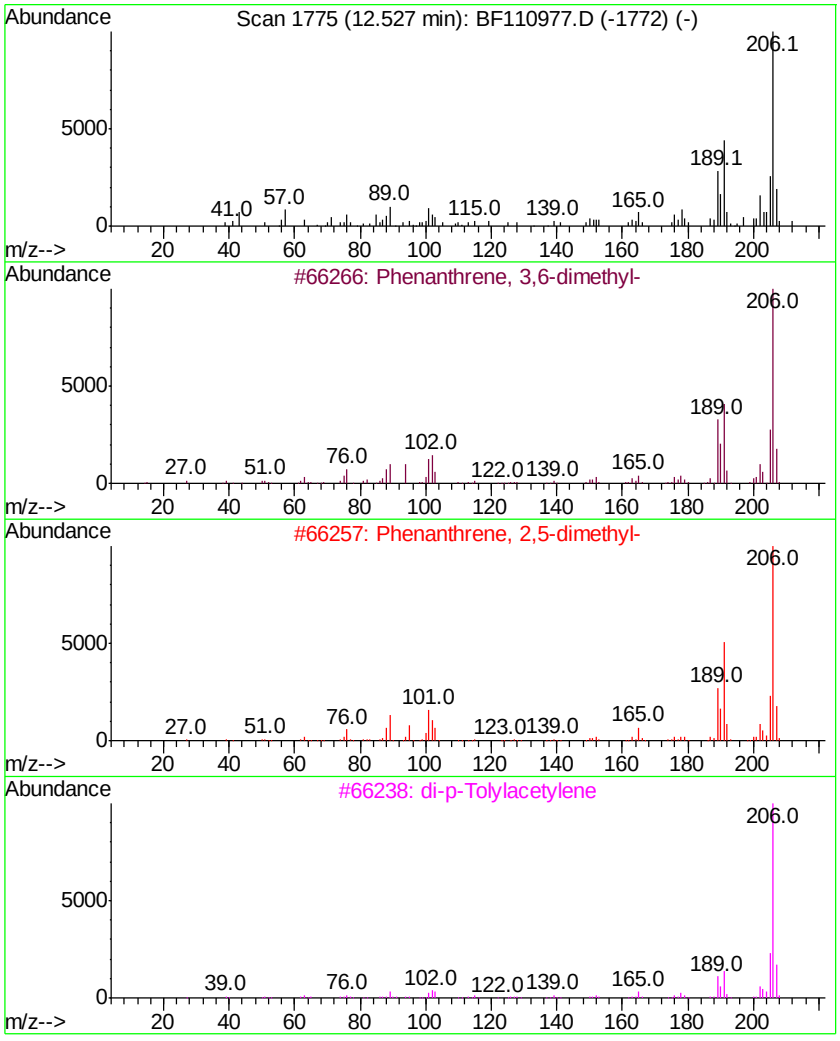
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

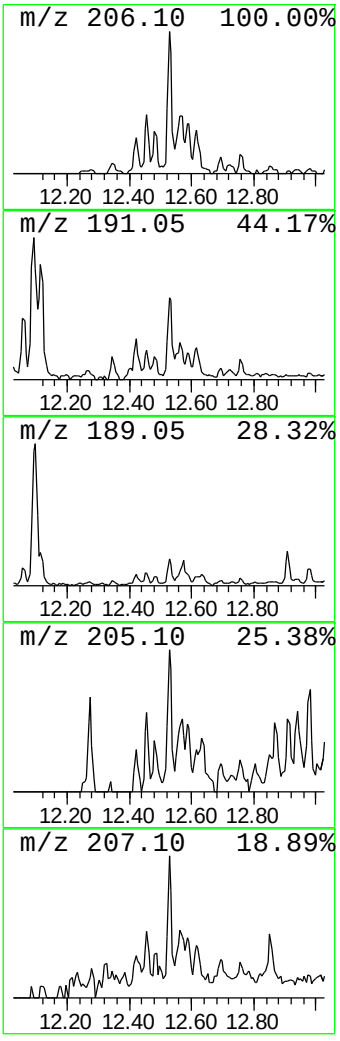
****

Peak Number 8 Phenanthrene, 3,6-dimethyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.53	4.75 ng	87091	Phenanthrene-d10	11.47

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	95
2	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	94
3	di-p-Tolylacetylene	206	C16H14	002789-88-0	94
4	Anthracene, 1,4-dimethyl-	206	C16H14	000781-92-0	93
5	9,10-Dimethylanthracene	206	C16H14	000781-43-1	91





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF112618\
Data File : BF110977.D
Acq On : 26 Nov 2018 21:28
Operator : JU/SJ
Sample : J5770-07 2X
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : OR-02-112118-B

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF112618.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

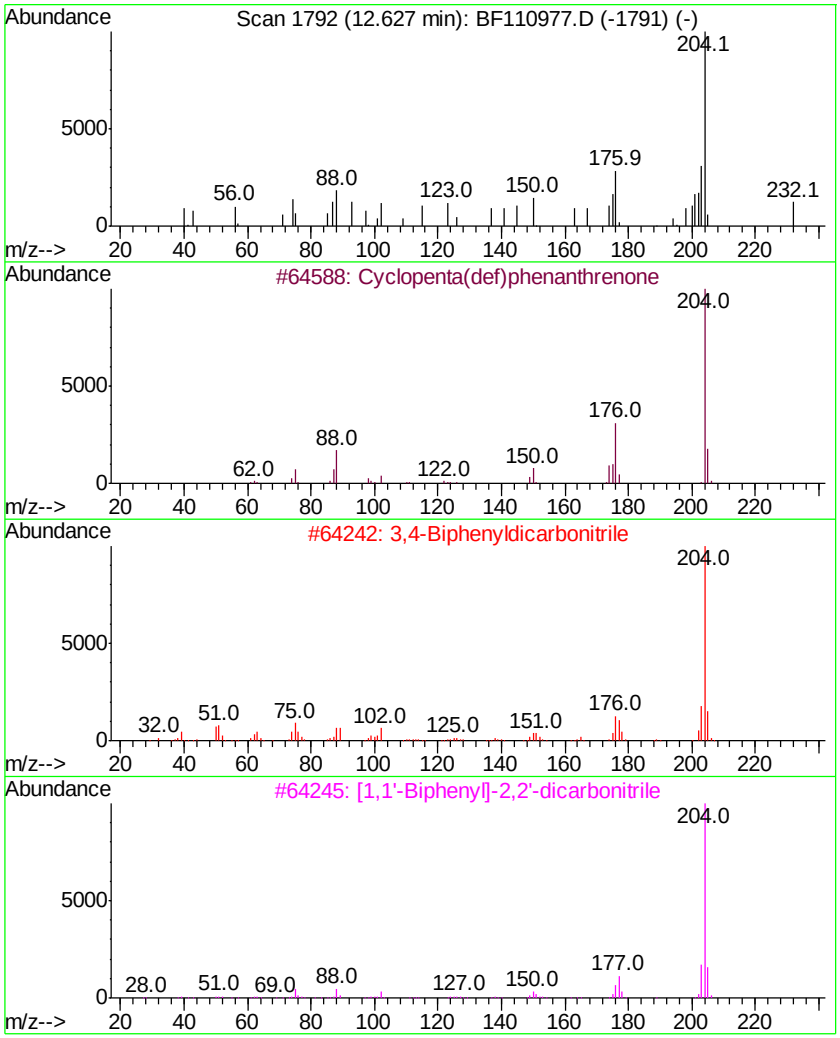
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

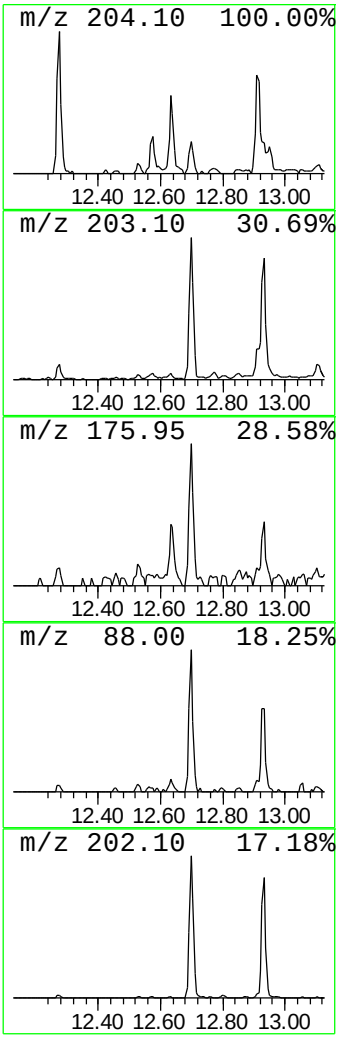
****

Peak Number 9 Cyclopenta(def)phenanthrenone Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.63	3.04 ng	55763	Phenanthrene-d10	11.47

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	87
2	3,4-Biphenyldicarbonitrile	204	C14H8N2	004128-63-6	59
3	[1,1'-Biphenyl]-2,2'-dicarbonitrile	204	C14H8N2	004341-02-0	53
4	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	47
5	5H-Dibenzo[a,d]cycloheptene, 5-m...	204	C16H12	002975-79-3	47





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF112618\
Data File : BF110977.D
Acq On : 26 Nov 2018 21:28
Operator : JU/SJ
Sample : J5770-07 2X
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : OR-02-112118-B

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF112618.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

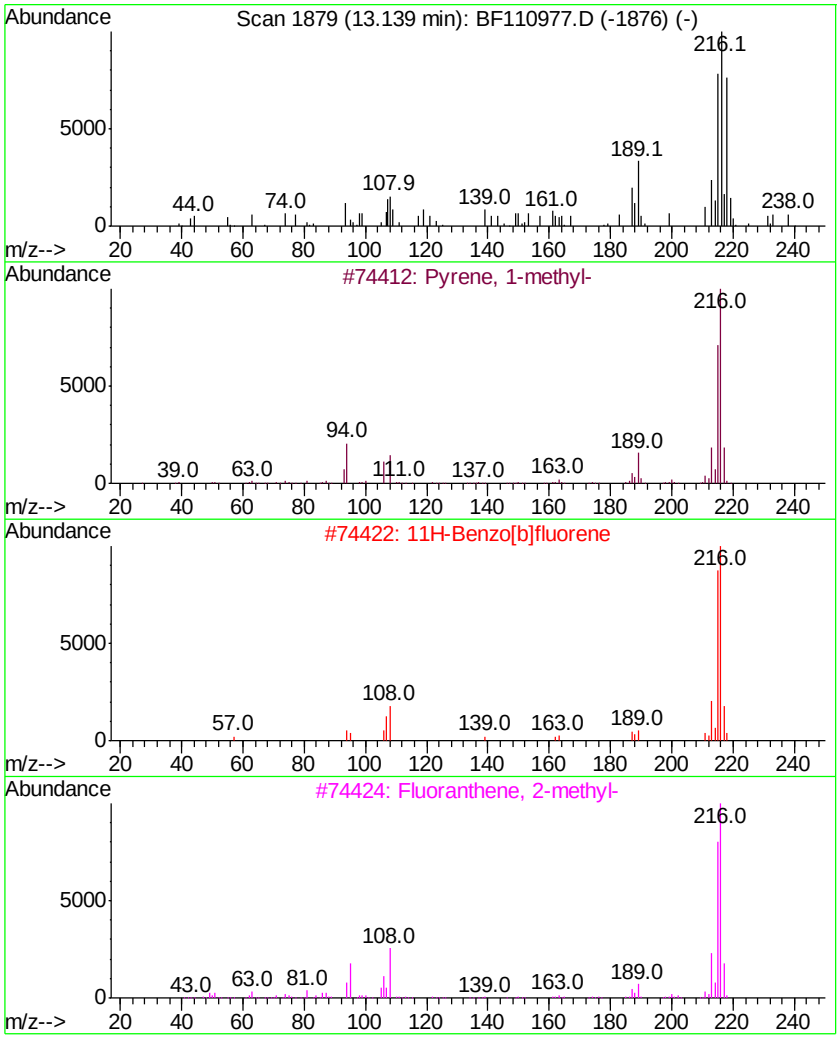
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

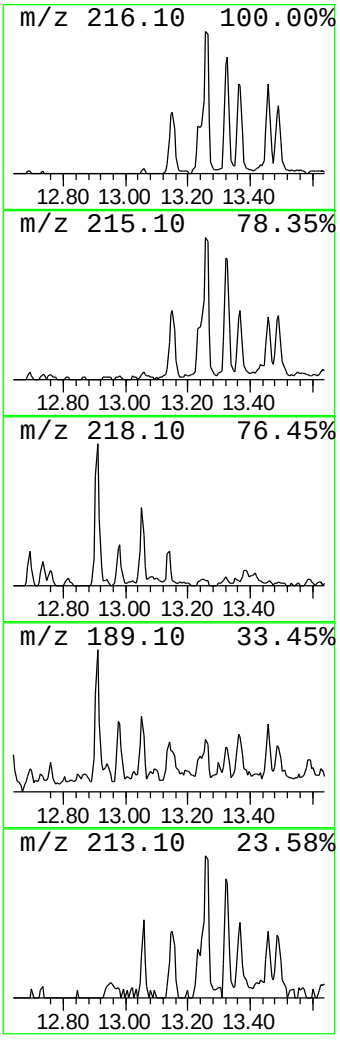
****

Peak Number 10 Pyrene, 1-methyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.14	2.91 ng	74311	Chrysene-d12	14.13

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	91
2	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	81
3	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	68
4	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	64
5	7H-Benzo[c]fluorene	216	C17H12	000205-12-9	59





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF112618\
Data File : BF110977.D
Acq On : 26 Nov 2018 21:28
Operator : JU/SJ
Sample : J5770-07 2X
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : OR-02-112118-B

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF112618.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

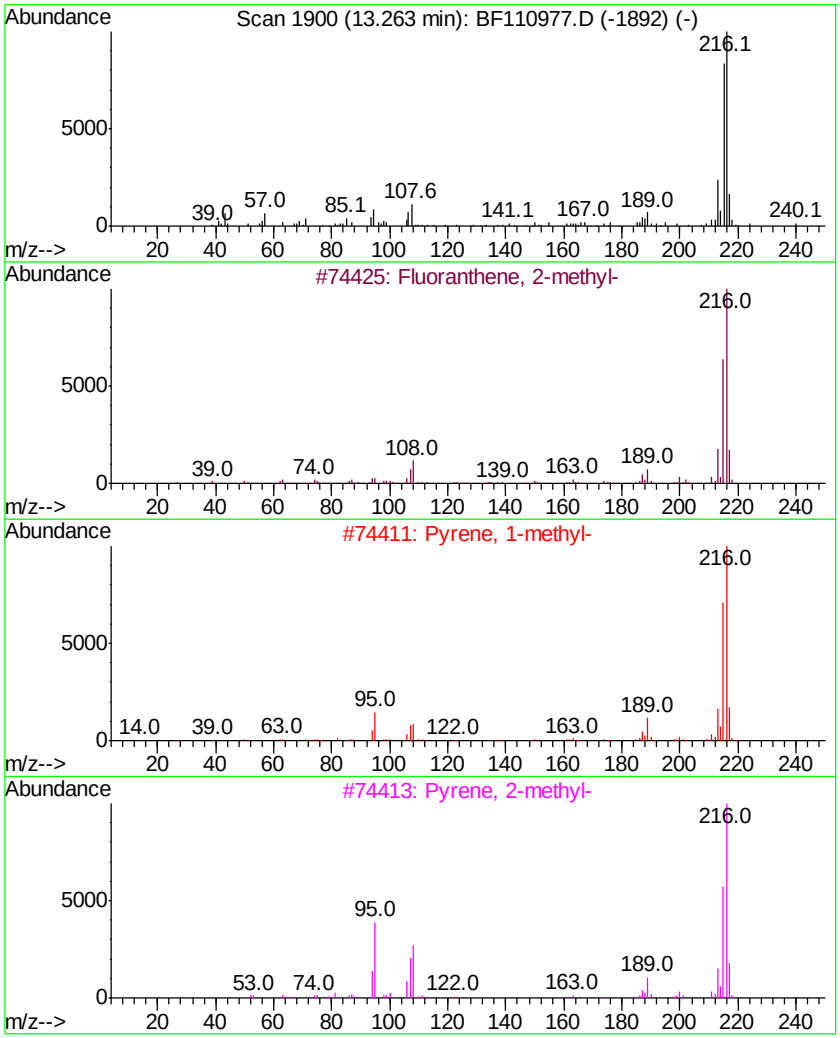
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

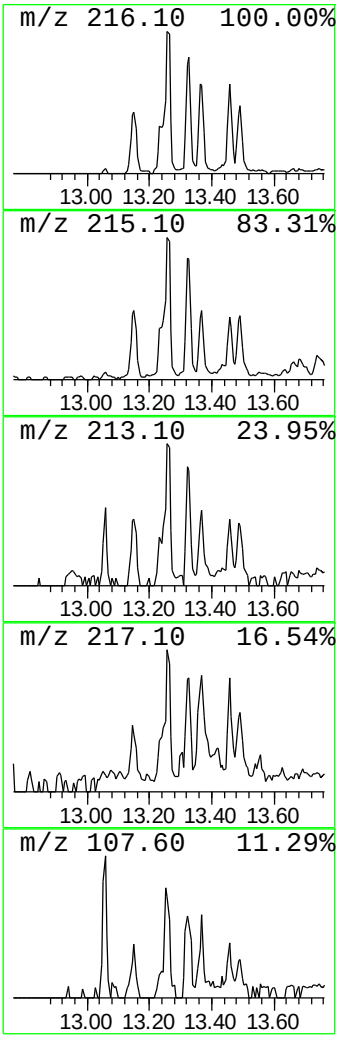
****

Peak Number 11 Fluoranthene, 2-methyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.26	5.88 ng	149800	Chrysene-d12	14.13

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	93
2	Pyrene, 1-methyl-	216	C17H12	002381-21-7	93
3	Pyrene, 2-methyl-	216	C17H12	003442-78-2	91
4	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	91
5	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	87





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF112618\
Data File : BF110977.D
Acq On : 26 Nov 2018 21:28
Operator : JU/SJ
Sample : J5770-07 2X
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : OR-02-112118-B

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF112618.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

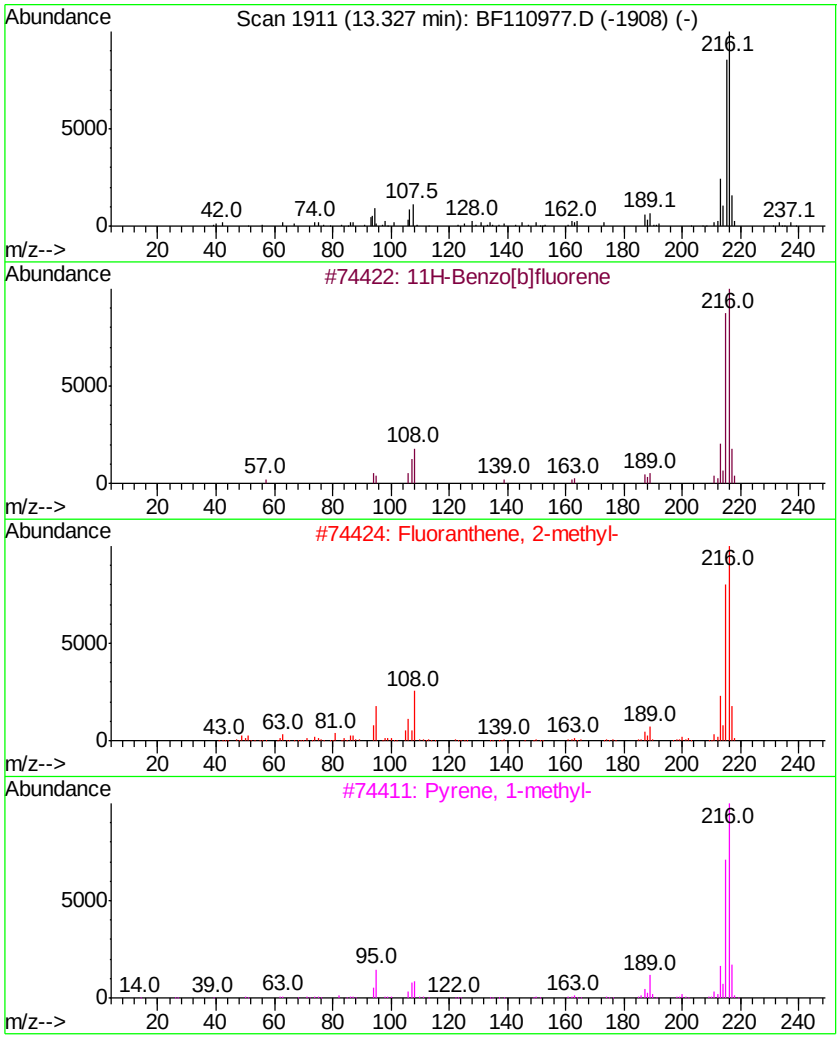
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

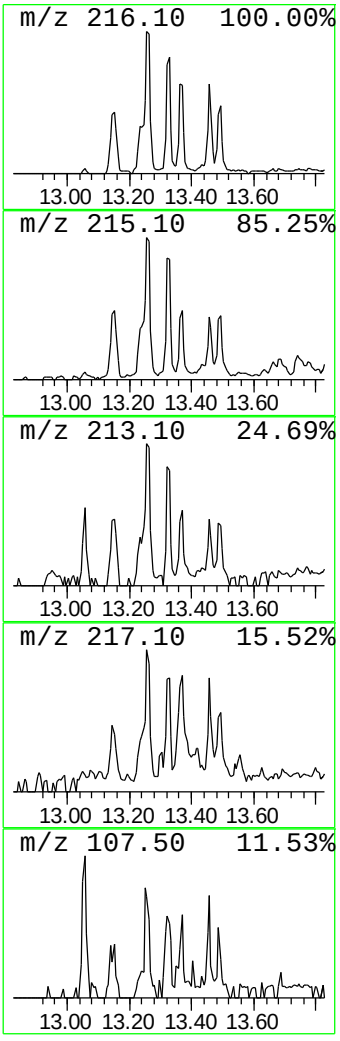
****

Peak Number 12 11H-Benzo[b]fluorene Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.33	2.75 ng	70045	Chrysene-d12	14.13

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	87
2	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	87
3	Pyrene, 1-methyl-	216	C17H12	002381-21-7	86
4	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	81
5	7H-Benzo[c]fluorene	216	C17H12	000205-12-9	64





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF112618\
Data File : BF110977.D
Acq On : 26 Nov 2018 21:28
Operator : JU/SJ
Sample : J5770-07 2X
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : OR-02-112118-B

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF112618.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

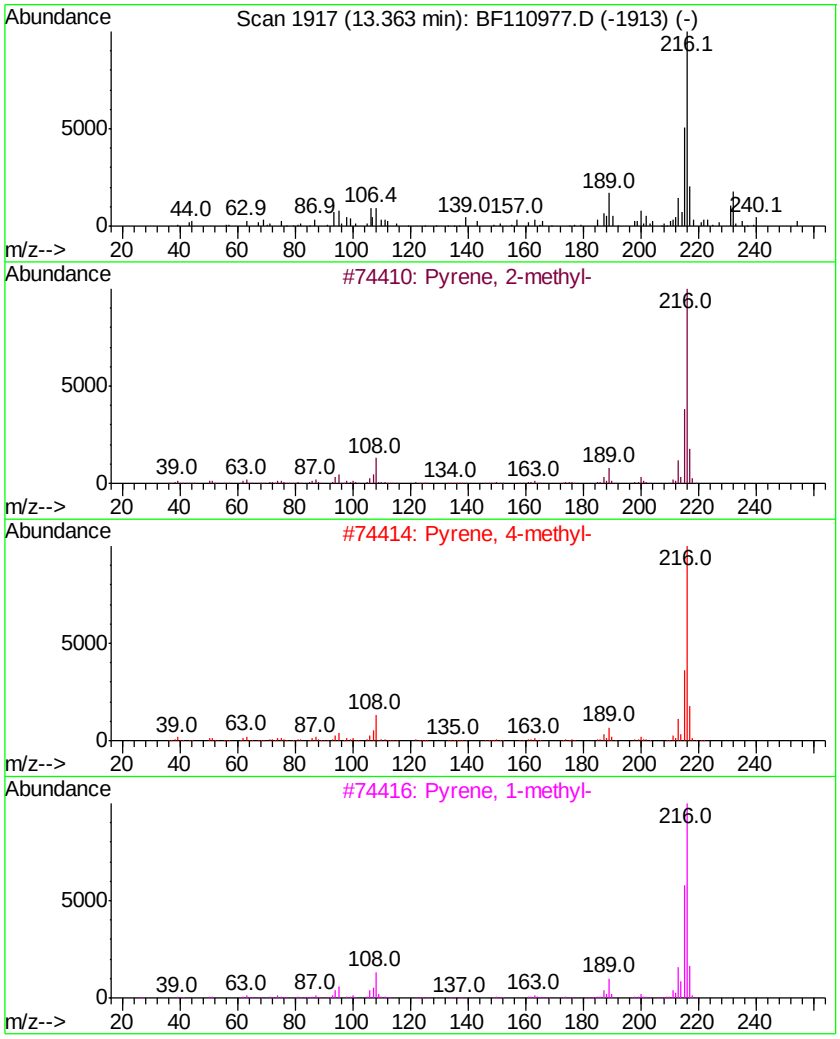
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

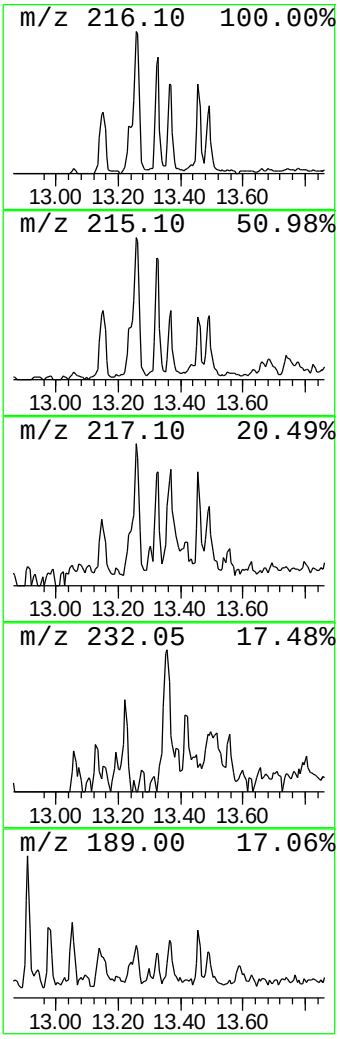
****

Peak Number 13 Pyrene, 2-methyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.36	4.02 ng	102578	Chrysene-d12	14.13

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 2-methyl-	216	C17H12	003442-78-2	91
2	Pyrene, 4-methyl-	216	C17H12	003353-12-6	87
3	Pyrene, 1-methyl-	216	C17H12	002381-21-7	87
4	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	81
5	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	58





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF112618\
Data File : BF110977.D
Acq On : 26 Nov 2018 21:28
Operator : JU/SJ
Sample : J5770-07 2X
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : OR-02-112118-B

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF112618.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

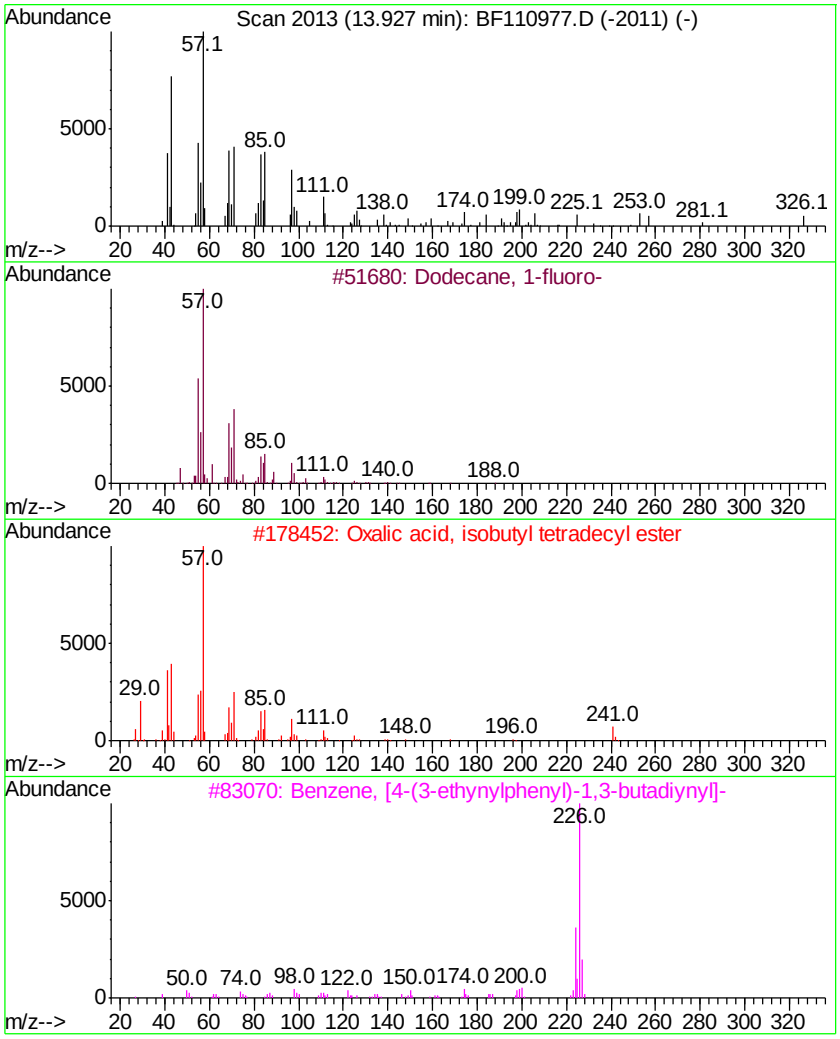
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

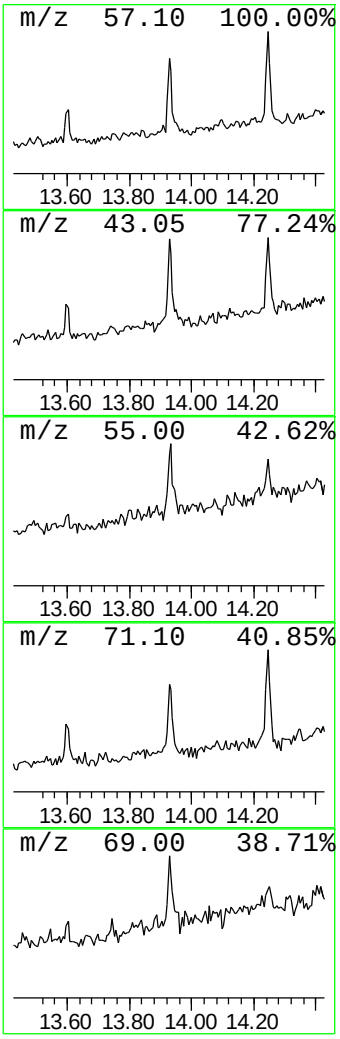
****

Peak Number 15 unknown13.93 Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.93	3.14 ng	80079	Chrysene-d12	14.13

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dodecane, 1-fluoro-	188	C12H25F	000334-68-9	38
2	Oxalic acid, isobutyl tetradecyl...	342	C20H38O4	1000309-37-9	25
3	Benzene, [4-(3-ethynylphenyl)-1,...	226	C18H10	1000115-87-3	25
4	Docosyl pentafluoropropionate	472	C25H45F5O2	1000351-80-9	18
5	Cyclopentane, (4-octyldodecyl)-	350	C25H50	005638-09-5	18





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF112618\
Data File : BF110977.D
Acq On : 26 Nov 2018 21:28
Operator : JU/SJ
Sample : J5770-07 2X
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : OR-02-112118-B

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF112618.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

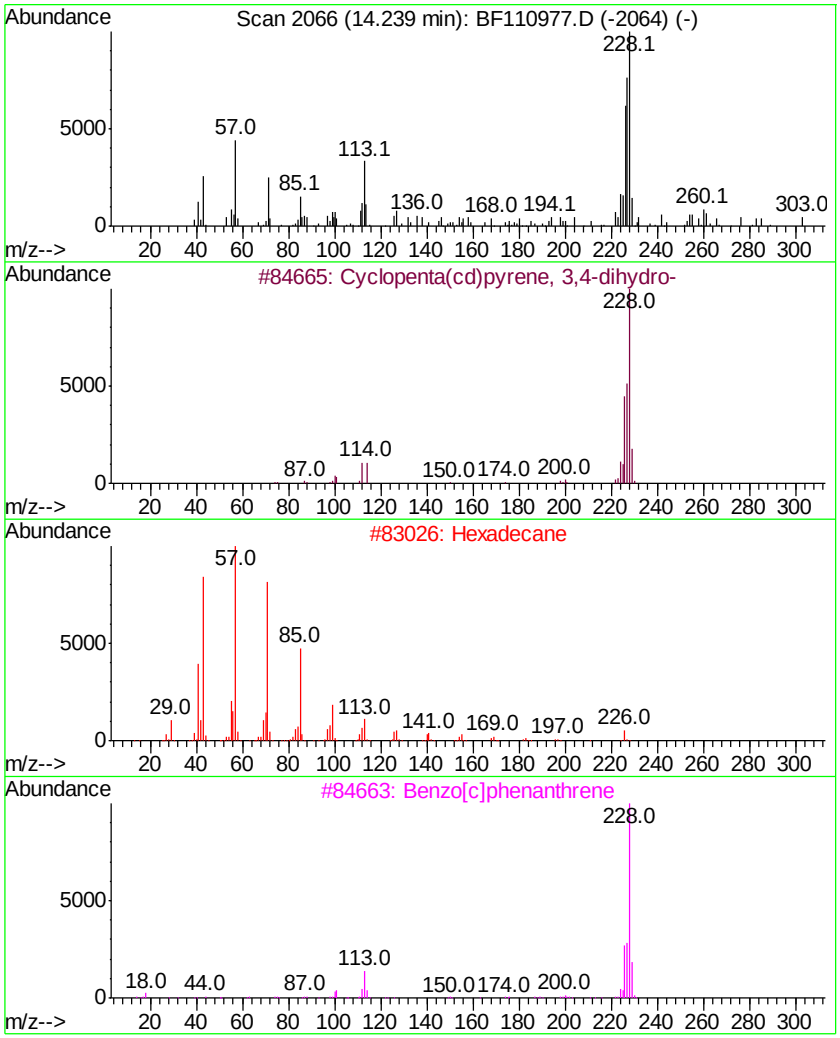
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

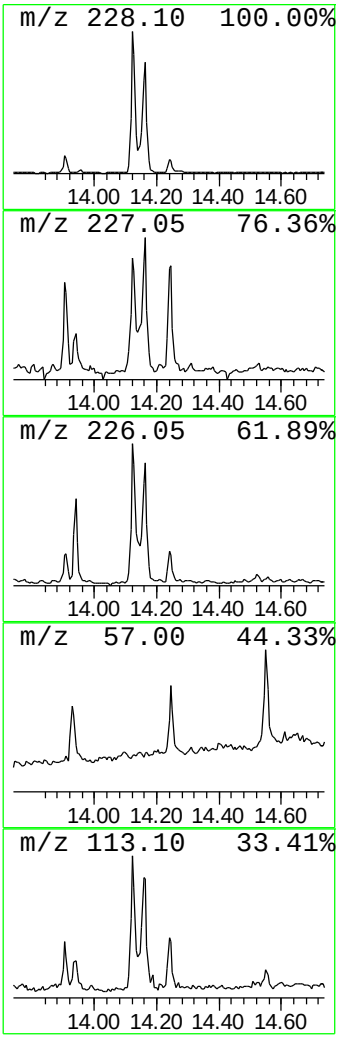
****

Peak Number 16 unknown14.24 Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.24	2.52 ng	64191	Chrysene-d12	14.13

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(cd)pyrene, 3,4-dihydro-	228	C18H12	025732-74-5	38
2	Hexadecane	226	C16H34	000544-76-3	35
3	Benzo[c]phenanthrene	228	C18H12	000195-19-7	30
4	Naphtho[2,3-d]pyrazole-4,9(4H,9H...	227	C12H9N3O2	1000263-96-1	25
5	5-Bromo-2,4-dichloropyrimidine	226	C4HBrCl2N2	036082-50-5	22





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF112618\
Data File : BF110977.D
Acq On : 26 Nov 2018 21:28
Operator : JU/SJ
Sample : J5770-07 2X
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : OR-02-112118-B

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF112618.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

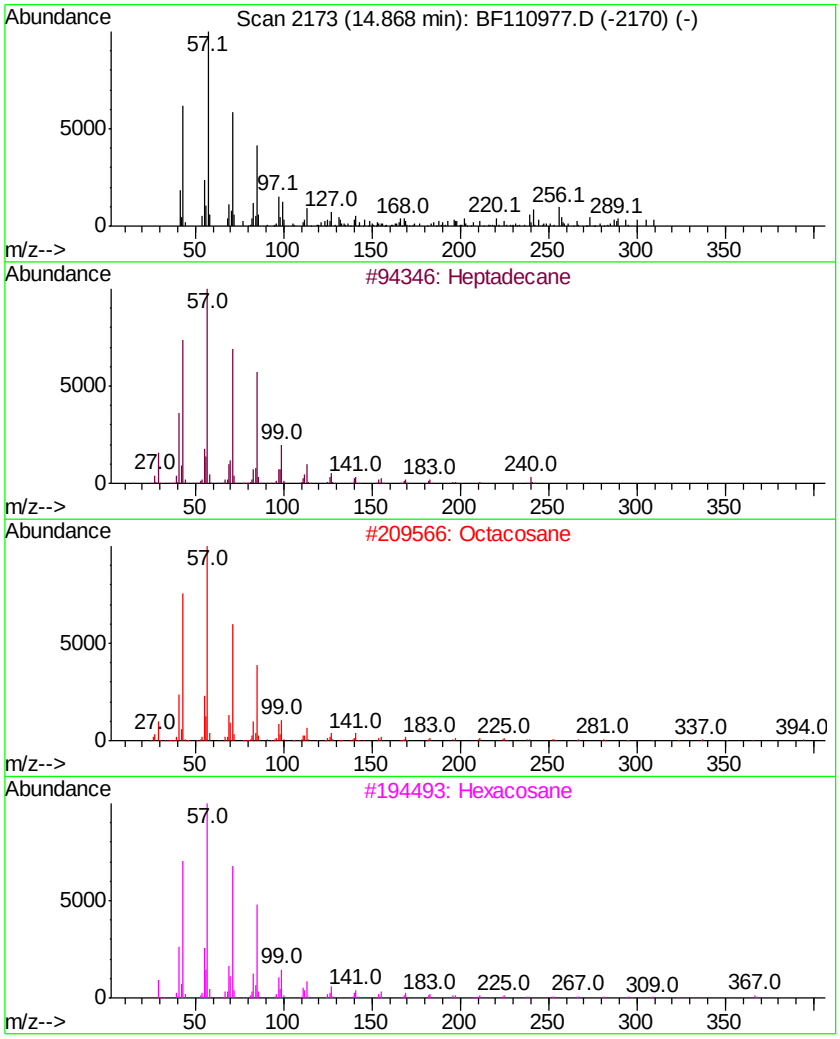
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

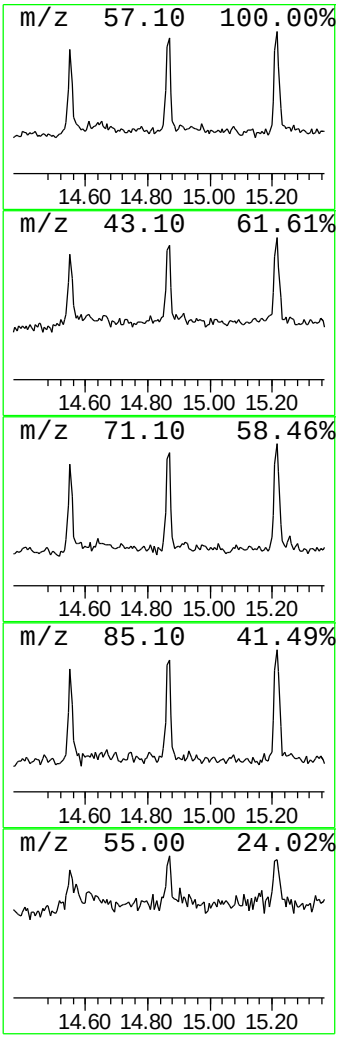
****

Peak Number 17 Heptadecane Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.87	3.10 ng	78932	Chrysene-d12	14.13

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptadecane	240	C17H36	000629-78-7	93
2	Octacosane	394	C28H58	000630-02-4	68
3	Hexacosane	366	C26H54	000630-01-3	68
4	Docosane, 11-decyl-	451	C32H66	055401-55-3	68
5	Triacontane	422	C30H62	000638-68-6	68





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF112618\
Data File : BF110977.D
Acq On : 26 Nov 2018 21:28
Operator : JU/SJ
Sample : J5770-07 2X
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : OR-02-112118-B

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF112618.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

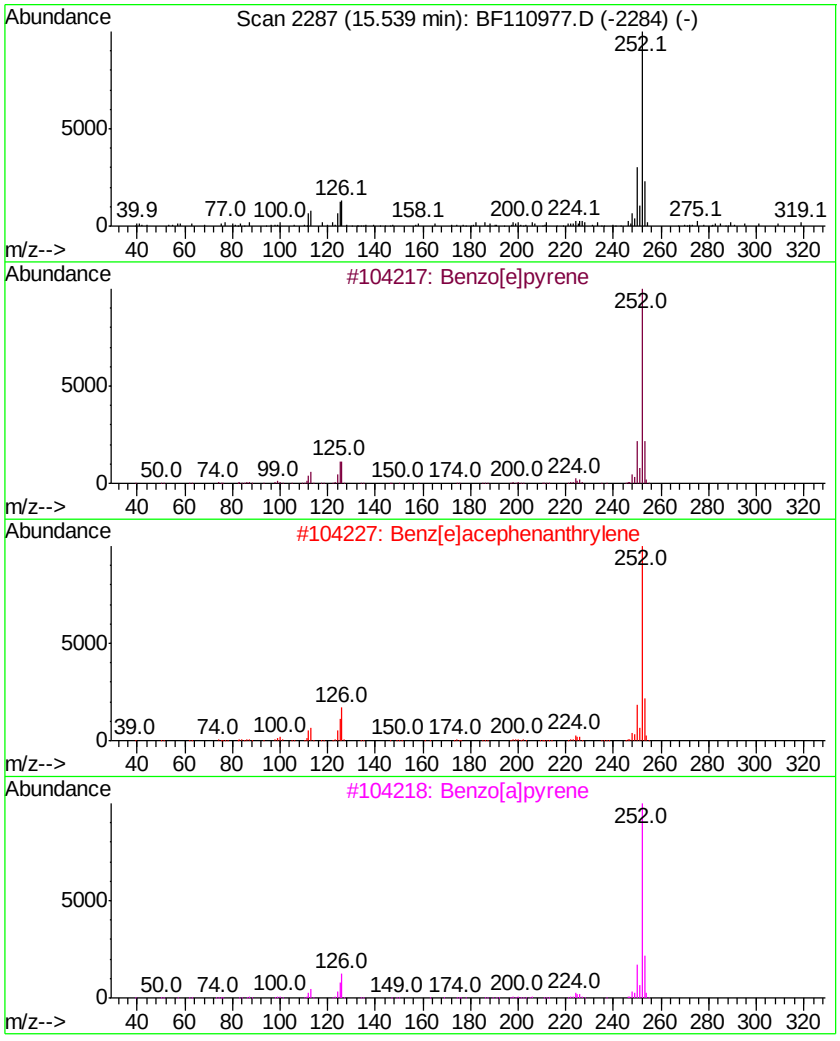
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

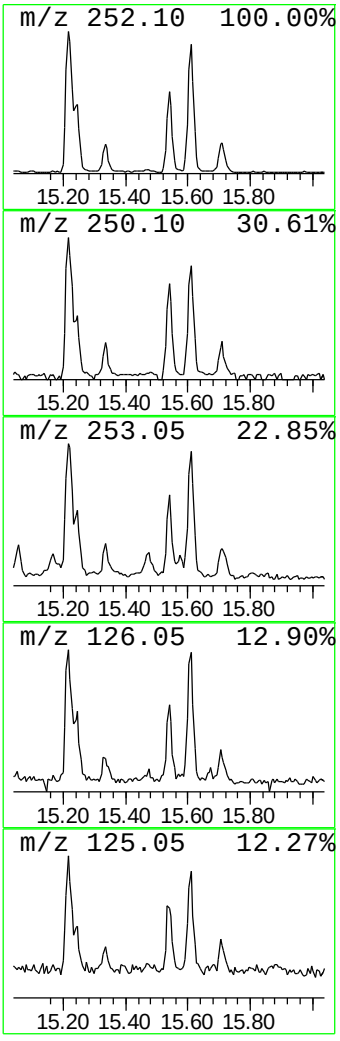
****

Peak Number 18 Benzo[e]pyrene Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.54	7.43 ng	67528	Perylene-d12	15.67

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[a]pyrene	252	C20H12	000050-32-8	91
4	Perylene	252	C20H12	000198-55-0	90
5	Benzo[k]fluoranthene	252	C20H12	000207-08-9	89





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF112618\
Data File : BF110977.D
Acq On : 26 Nov 2018 21:28
Operator : JU/SJ
Sample : J5770-07 2X
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : OR-02-112118-B

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF112618.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

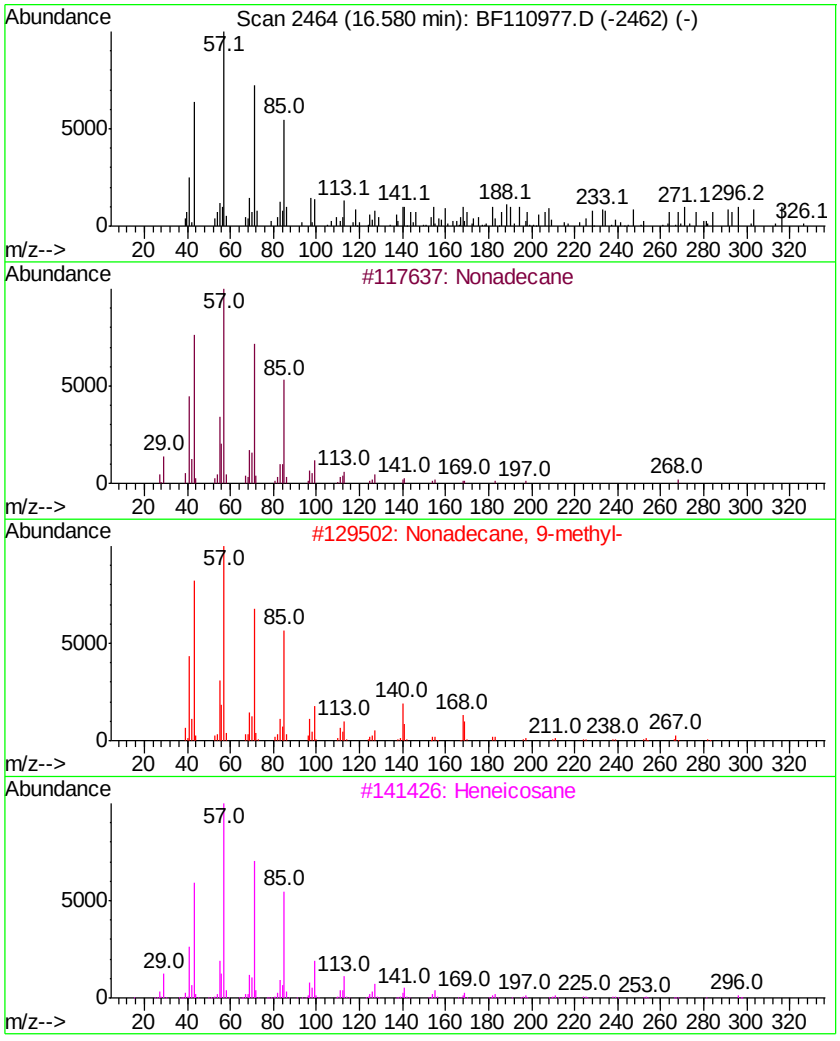
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

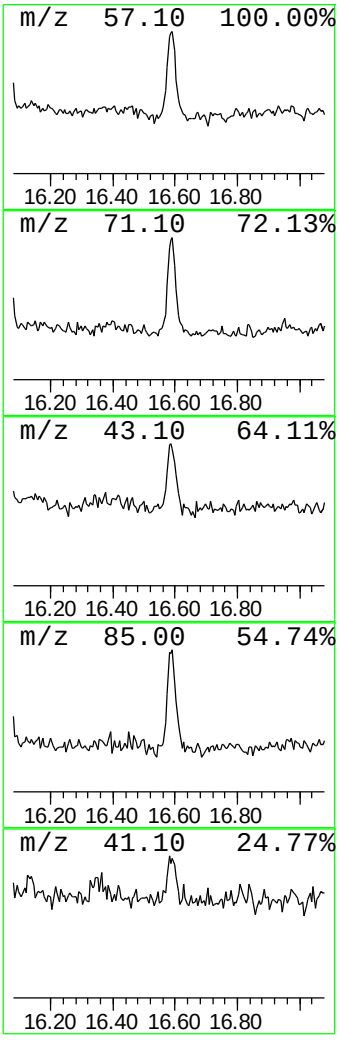
****

Peak Number 20 Nonadecane Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.58	5.69 ng	51721	Perylene-d12	15.67

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Nonadecane	268	C19H40	000629-92-5	70
2	Nonadecane, 9-methyl-	282	C20H42	013287-24-6	70
3	Heneicosane	296	C21H44	000629-94-7	64
4	Heptadecane, 2,6,10,15-tetramethyl-	296	C21H44	054833-48-6	58
5	Dodecane, 1-iodo-	296	C12H25I	004292-19-7	58





Tentatively Identified Compound (LSC) summary

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF112618\
Data File : BF110977.D
Acq On : 26 Nov 2018 21:28
Operator : JU/SJ
Sample : J5770-07 2X
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : OR-02-112118-B

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF112618.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
Butane, 2-methoxy...	2.22	2.8	ng	49431	1	6.94	349035	20.0
unknown6.71	6.71	36.5	ng	637036	1	6.94	349035	20.0
Phenanthrene, 2-m...	11.98	6.5	ng	119890	4	11.47	366540	20.0
Phenanthrene, 1-m...	12.01	5.8	ng	105867	4	11.47	366540	20.0
4H-Cyclopenta[def...	12.09	9.3	ng	170951	4	11.47	366540	20.0
Naphthalene, 2-ph...	12.27	3.4	ng	61881	4	11.47	366540	20.0
Phenanthrene, 3,6...	12.53	4.8	ng	87091	4	11.47	366540	20.0
Cyclopenta(def)ph...	12.63	3.0	ng	55763	4	11.47	366540	20.0
Pyrene, 1-methyl-	13.14	2.9	ng	74311	5	14.13	509892	20.0
Fluoranthene, 2-m...	13.26	5.9	ng	149800	5	14.13	509892	20.0
11H-Benzo[b]fluorene	13.33	2.8	ng	70045	5	14.13	509892	20.0
Pyrene, 2-methyl-	13.36	4.0	ng	102578	5	14.13	509892	20.0
unknown13.93	13.93	3.1	ng	80079	5	14.13	509892	20.0
unknown14.24	14.24	2.5	ng	64191	5	14.13	509892	20.0
Heptadecane	14.87	3.1	ng	78932	5	14.13	509892	20.0
Benzo[e]pyrene	15.54	7.4	ng	67528	6	15.67	181808	20.0
Nonadecane	16.58	5.7	ng	51721	6	15.67	181808	20.0