LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF092218\
Data File : BF109231.D
Acq On : 22 Sep 2018 19:41
Operator : JU/SJ
Sample : J4777-15 5X
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : PL-02-0920-18-C

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-BF092218.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	5.298	543	546	557	rBV	460668	408876	27.60%	1.897%
2	6.328	718	721	731	rVB	505248	440042	29.71%	2.042%
3	6.469	741	745	748	rBV	544109	442763	29.89%	2.055%
4	6.704	781	785	788	rBV	947538	737721	49.80%	3.424%
5	6.857	808	811	815	rBV	439550	349514	23.59%	1.622%
6	7.257	876	879	883	rBV	327528	258581	17.46%	1.200%
7	7.987	999	1003	1006	rBV	1217352	954099	64.41%	4.428%
8	9.057	1182	1185	1189	rBV	622476	517671	34.95%	2.402%
9	9.398	1239	1243	1246	rBV2	19514	18506	1.25%	0.086%
10	9.451	1249	1252	1255	rBV	144537	112861	7.62%	0.524%
11	9.592	1273	1276	1282	rVB	26453	23597	1.59%	0.110%
12	9.733	1296	1300	1304	rBV	1161651	1001353	67.60%	4.647%
13	9.763	1304	1305	1309	rVB	51316	39286	2.65%	0.182%
14	9.939	1332	1335	1338	rVB2	26676	23761	1.60%	0.110%
15	10.275	1390	1392	1399	rVB	38798	37197	2.51%	0.173%
16	10.410	1410	1415	1417	rVB5	14313	18547	1.25%	0.086%
17	10.439	1417	1420	1426	rVB4	15820	18437	1.24%	0.086%
18	10.516	1429	1433	1438	rBV	280113	253117	17.09%	1.175%
19	10.645	1452	1455	1458	rBV3	18807	26042	1.76%	0.121%
20	10.822	1480	1485	1488	rBV5	12470	22013	1.49%	0.102%
21	11.016	1515	1518	1523	rVB	61866	56534	3.82%	0.262%
22	11.063	1523	1526	1530	rBV4	10479	17051	1.15%	0.079%
23	11.104	1530	1533	1536	rBV	55496	48004	3.24%	0.223%
24	11.210	1548	1551	1553	rBV	1005714	843777	56.96%	3.916%
25	11.233	1553	1555	1558	rVV	945496	742340	50.11%	3.445%
26	11.263	1558	1560	1561	rVV	31552	24250	1.64%	0.113%
27	11.286	1561	1564	1567	rVB	123500	106836	7.21%	0.496%
28	11.316	1567	1569	1573	rBV	51789	45871	3.10%	0.213%
29	11.439	1584	1590	1593	rBV2	111366	121216	8.18%	0.563%
30	11.510	1598	1602	1604	rVV2	22084	24804	1.67%	0.115%
31	11.539	1604	1607	1612	rVB	40859	38642	2.61%	0.179%
32	11.622	1619	1621	1625	rVB	26366	23825	1.61%	0.111%
33	11.710	1630	1636	1638	rVV	126480	116543	7.87%	0.541%
34	11.739	1638	1641	1646	rVV	185446	174375	11.77%	0.809%

LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF092218\
Data File : BF109231.D
Acq On : 22 Sep 2018 19:41
Operator : JU/SJ
Sample : J4777-15 5X
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : PL-02-0920-18-C

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-BF092218.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	11.786	1646	1649	1651	rVV2	33292	31276	2.11%	0.145%
36	11.822	1651	1655	1657	rVV	185151	184392	12.45%	0.856%
37	11.845	1657	1659	1662	rVB	87596	70493	4.76%	0.327%
38	12.004	1683	1686	1687	rBV	88773	70856	4.78%	0.329%
39	12.027	1687	1690	1697	rVB	216561	229617	15.50%	1.066%
40	12.080	1697	1699	1702	rBV2	19651	24151	1.63%	0.112%
41	12.133	1706	1708	1710	rBV2	19007	20143	1.36%	0.093%
42	12.157	1710	1712	1714	rVB2	35635	29659	2.00%	0.138%
43	12.186	1714	1717	1719	rBV	46953	38031	2.57%	0.176%
44	12.210	1719	1721	1723	rVB2	38964	29098	1.96%	0.135%
45	12.257	1723	1729	1732	rBV	122107	131520	8.88%	0.610%
46	12.292	1732	1735	1737	rVV	43508	43838	2.96%	0.203%
47	12.339	1741	1743	1748	rVB2	113803	115810	7.82%	0.537%
48	12.422	1752	1757	1760	rVB	1655469	1459992	98.56%	6.775%
49	12.474	1760	1766	1770	rBV3	37188	68451	4.62%	0.318%
50	12.545	1774	1778	1780	rBV3	46996	62690	4.23%	0.291%
51	12.569	1780	1782	1786	rVB	51862	49889	3.37%	0.232%
52	12.645	1789	1795	1798	rBV	1517924	1447991	97.75%	6.720%
53	12.692	1801	1803	1809	rVB2	54273	81625	5.51%	0.379%
54	12.763	1812	1815	1817	rBV	78764	73074	4.93%	0.339%
55	12.786	1817	1819	1827	rVB2	451494	453137	30.59%	2.103%
56	12.863	1827	1832	1835	rBV2	99888	155314	10.48%	0.721%
57	12.886	1835	1836	1839	rVB	38065	27112	1.83%	0.126%
58	12.922	1839	1842	1844	rBV4	23792	28872	1.95%	0.134%
59	12.951	1844	1847	1848	rVV2	75890	85192	5.75%	0.395%
60	12.969	1848	1850	1853	rVB2	120565	114590	7.74%	0.532%
61	13.004	1853	1856	1859	rBV4	21257	27948	1.89%	0.130%
62	13.033	1859	1861	1864	rVV	75557	74813	5.05%	0.347%
63	13.074	1864	1868	1870	rVV	153559	143949	9.72%	0.668%
64	13.098	1870	1872	1875	rVV	36574	41295	2.79%	0.192%
65	13.133	1875	1878	1880	rVV2	38724	47232	3.19%	0.219%
66	13.163	1880	1883	1886	rVV	100750	95257	6.43%	0.442%
67	13.192	1886	1888	1894	rVV	89270	107040	7.23%	0.497%
68	13.239	1894	1896	1899	rVB3	35503	33069	2.23%	0.153%
69	13.351	1912	1915	1917	rBV4	29321	39247	2.65%	0.182%
70	13.374	1917	1919	1924	rVV5	33134	54147	3.66%	0.251%
71	13.474	1932	1936	1941	rBV	175107	192284	12.98%	0.892%

LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF092218\
Data File : BF109231.D
Acq On : 22 Sep 2018 19:41
Operator : JU/SJ
Sample : J4777-15 5X
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : PL-02-0920-18-C

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-BF092218.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

72	13.539	1945	1947	1949	rVB	34056	23608	1.59%	0.110%
73	13.586	1950	1955	1958	rBV2	184117	259312	17.51%	1.203%
74	13.616	1958	1960	1962	rVV	104722	97338	6.57%	0.452%
75	13.639	1962	1964	1968	rVV3	155673	204334	13.79%	0.948%
76	13.680	1968	1971	1974	rVB	182303	167877	11.33%	0.779%
77	13.751	1981	1983	1986	rBV	36510	36339	2.45%	0.169%
78	13.833	1990	1997	2000	rBV3	1042240	1481342	100.00%	6.874%
79	13.863	2000	2002	2004	rVB	785101	563869	38.06%	2.617%
80	13.939	2013	2015	2017	rVB	60957	41745	2.82%	0.194%
81	13.974	2019	2021	2023	rVV	46813	32084	2.17%	0.149%
82	14.021	2027	2029	2031	rVB2	66186	48999	3.31%	0.227%
83	14.057	2031	2035	2039	rBV2	78006	101320	6.84%	0.470%
84	14.186	2055	2057	2059	rBV2	46686	44428	3.00%	0.206%
85	14.221	2060	2063	2066	rVV	127396	128873	8.70%	0.598%
86	14.257	2066	2069	2072	rVV2	170599	160937	10.86%	0.747%
87	14.345	2082	2084	2086	rBV	58725	39879	2.69%	0.185%
88	14.757	2151	2154	2158	rVB2	89951	91279	6.16%	0.424%
89	14.845	2164	2169	2172	rBV	691410	1058507	71.46%	4.912%
90	14.939	2182	2185	2188	rVB2	151713	160921	10.86%	0.747%
91	15.121	2212	2216	2222	rVB	421350	484256	32.69%	2.247%
92	15.180	2222	2226	2231	rBV	435999	501356	33.84%	2.327%
93	15.239	2232	2236	2239	rBV	488365	580174	39.17%	2.692%
94	15.263	2239	2240	2242	rVB	41362	32156	2.17%	0.149%
95	15.686	2309	2312	2317	rVB	108929	139355	9.41%	0.647%
96	16.415	2431	2436	2447	rVB5	108082	254039	17.15%	1.179%
97	16.580	2459	2464	2472	rVB2	213231	376393	25.41%	1.747%
98	16.980	2527	2532	2543	rVB	171290	366853	24.76%	1.702%

Sum of corrected areas: 21548719

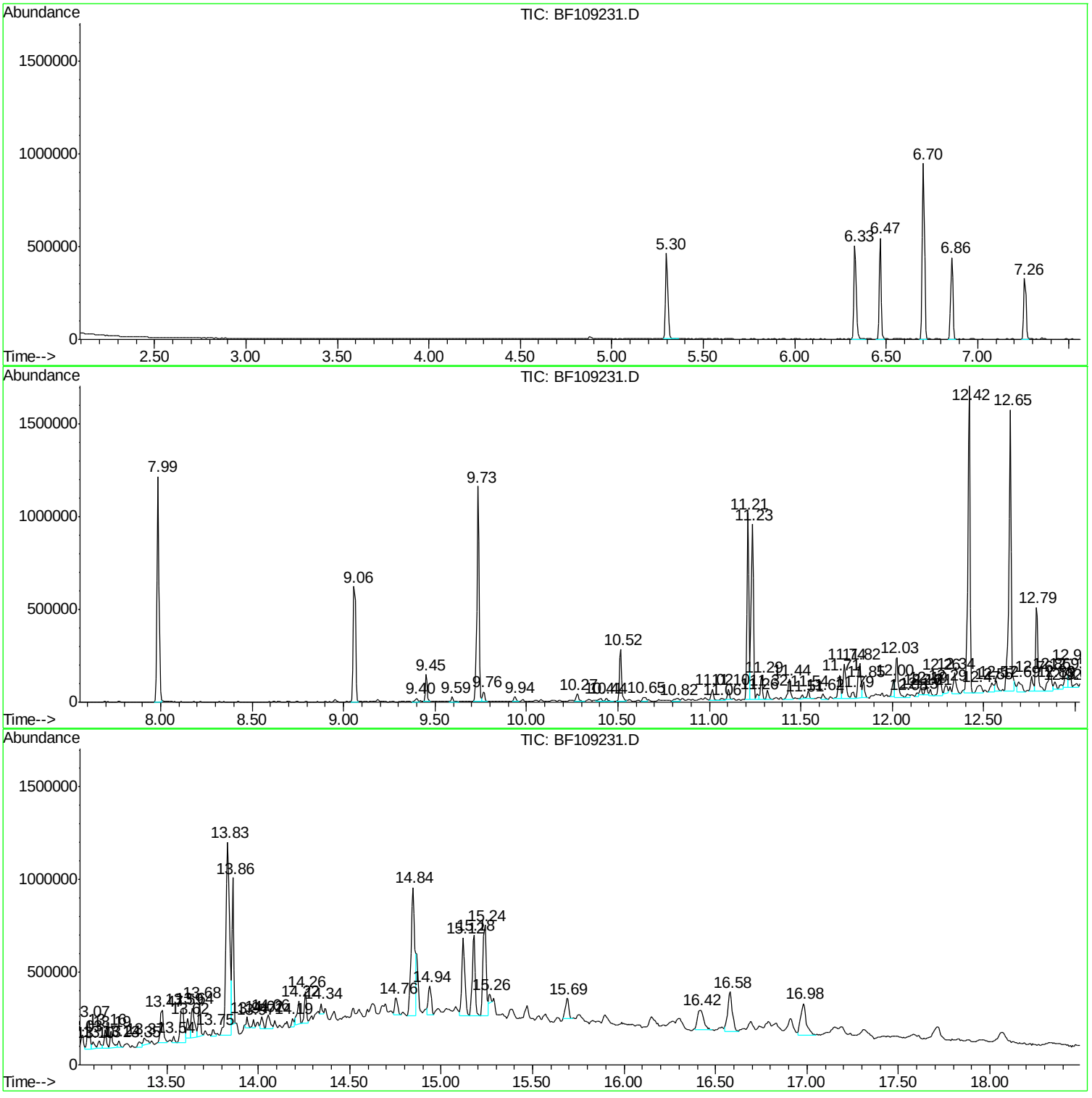
LSC Report - Integrated Chromatogram

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF092218\
Data File : BF109231.D
Acq On : 22 Sep 2018 19:41
Operator : JU/SJ
Sample : J4777-15 5X
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : PL-02-0920-18-C

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF092218.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\BF092218\
Data File : BF109231.D
Acq On : 22 Sep 2018 19:41
Operator : JU/SJ
Sample : J4777-15 5X
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : PL-02-0920-18-C

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF092218.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

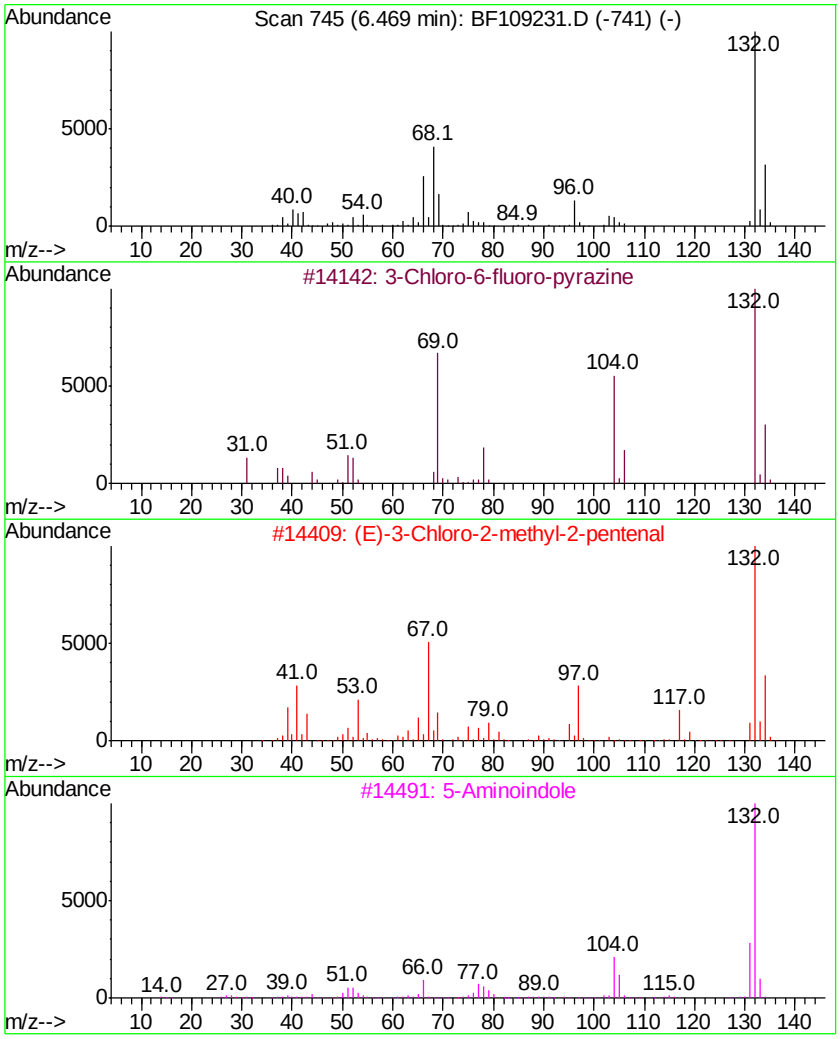
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

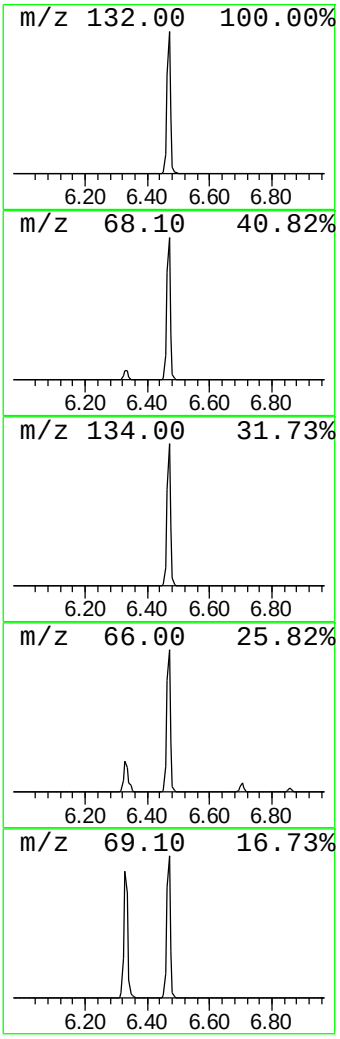
****

Peak Number 1 unknown6.47 Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.47	12.00 ng	442763	1,4-Dichlorobenzene-d4	6.70

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	5-Aminoindole	132	C8H8N2	005192-03-0	12
4	Amphetaminil	250	C17H18N2	017590-01-1	10
5	Tranylcypromine-propionyl	189	C12H15NO	1000123-86-3	10





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF092218\
Data File : BF109231.D
Acq On : 22 Sep 2018 19:41
Operator : JU/SJ
Sample : J4777-15 5X
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : PL-02-0920-18-C

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF092218.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

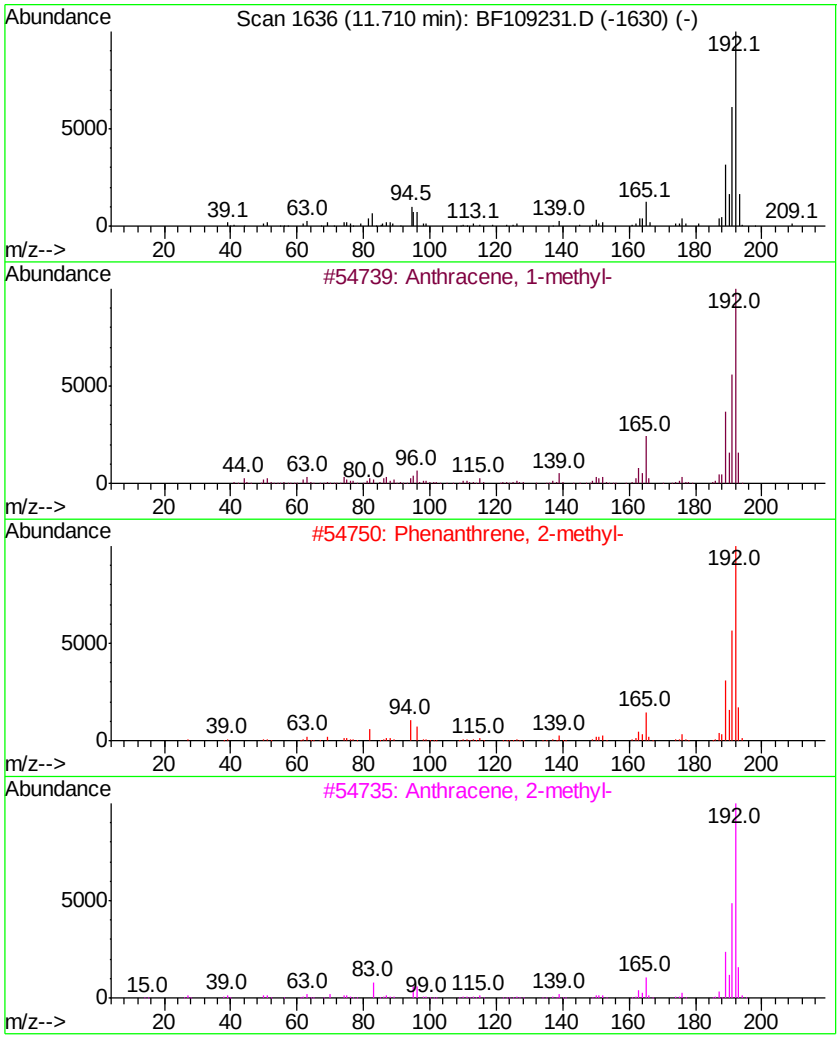
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

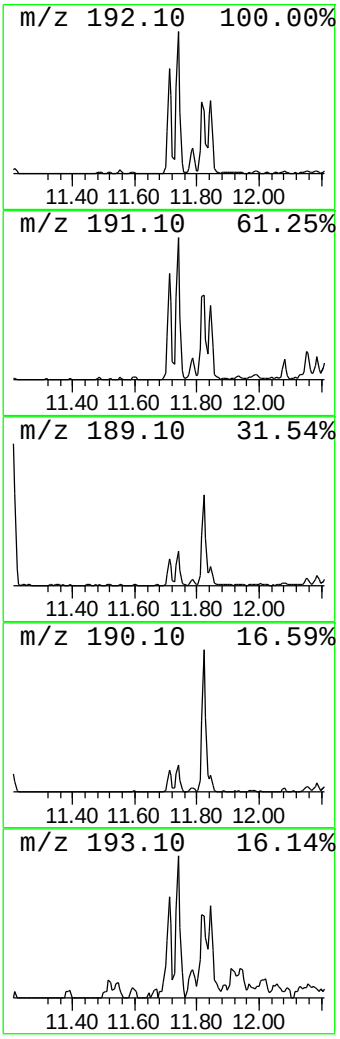
****

Peak Number 3 Anthracene, 1-methyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.71	2.76 ng	116543	Phenanthrene-d10	11.21

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 1-methyl-	192	C15H12	000610-48-0	95
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	93
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	93
4	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	90
5	Anthracene, 9-methyl-	192	C15H12	000779-02-2	87





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF092218\
Data File : BF109231.D
Acq On : 22 Sep 2018 19:41
Operator : JU/SJ
Sample : J4777-15 5X
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : PL-02-0920-18-C

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF092218.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

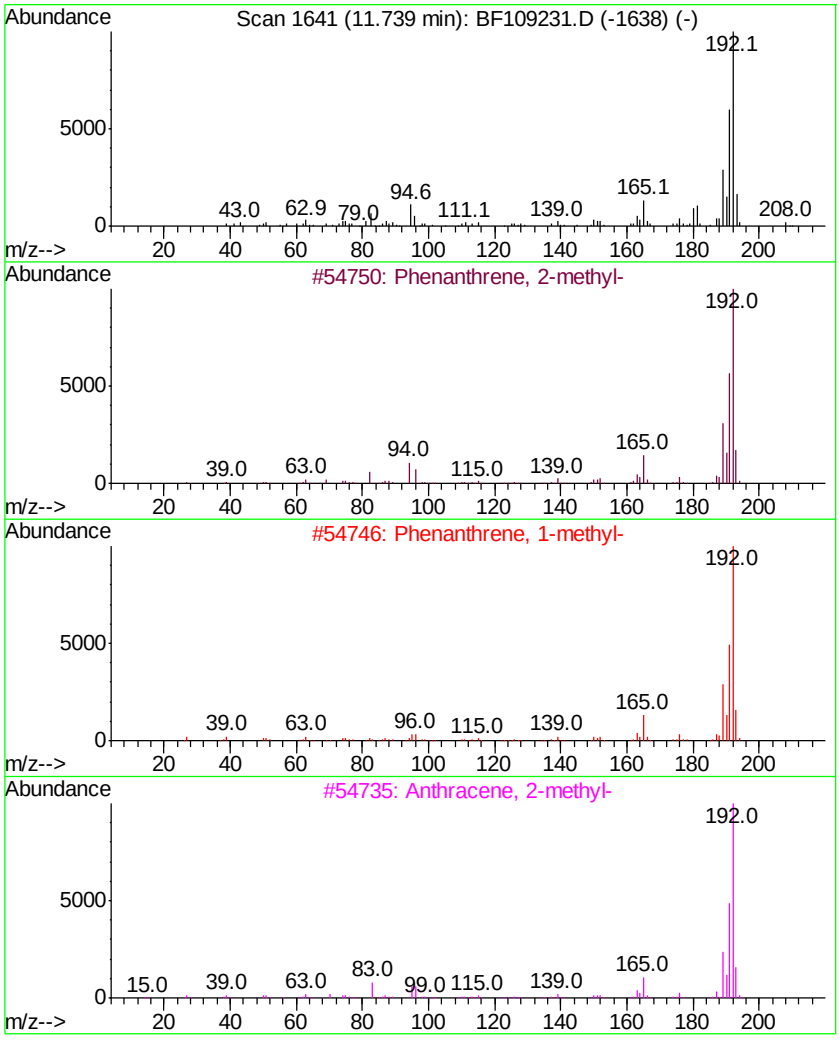
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

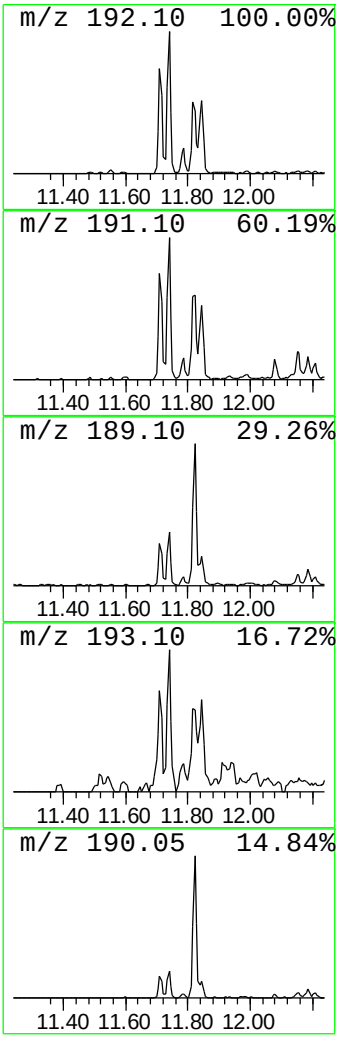
****

Peak Number 4 Phenanthrene, 2-methyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.74	4.13 ng	174375	Phenanthrene-d10	11.21

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	Anthracene, 9-methyl-	192	C15H12	000779-02-2	95
5	Anthracene, 1-methyl-	192	C15H12	000610-48-0	95





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF092218\
Data File : BF109231.D
Acq On : 22 Sep 2018 19:41
Operator : JU/SJ
Sample : J4777-15 5X
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : PL-02-0920-18-C

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF092218.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

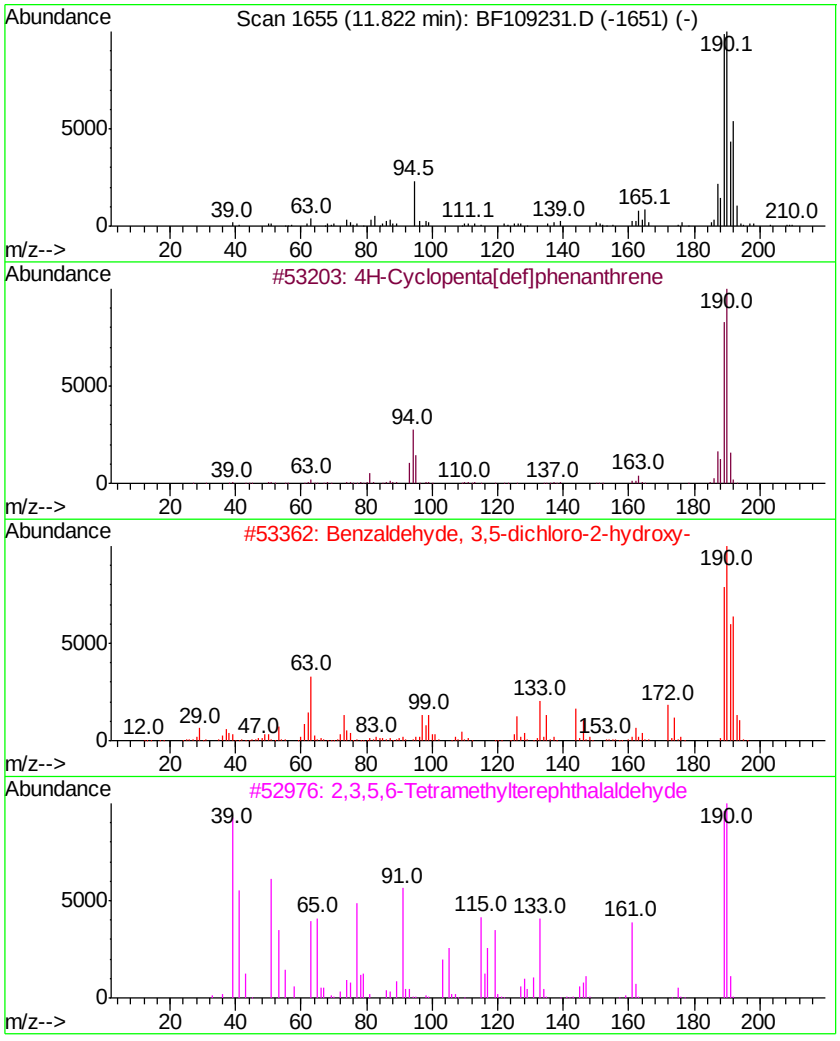
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

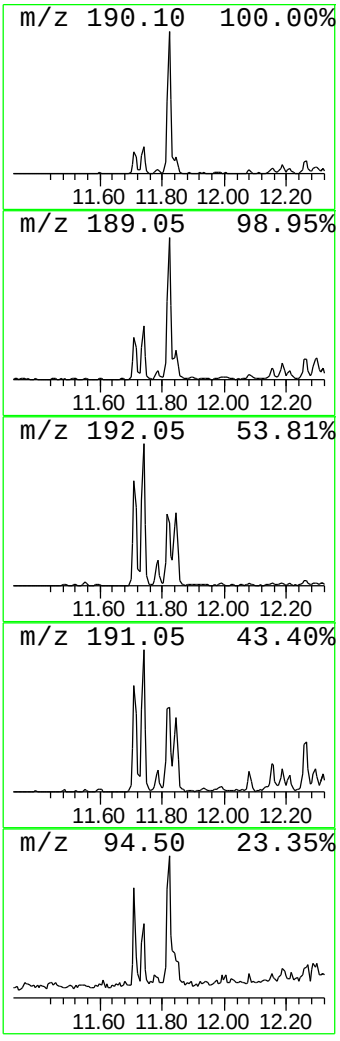
****

Peak Number 5 4H-Cyclopenta[def]phenanthrene Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.82	4.37 ng	184392	Phenanthrene-d10	11.21

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	58
2	Benzaldehyde, 3,5-dichloro-2-hyd...	190	C7H4Cl2O2	000090-60-8	52
3	2,3,5,6-Tetramethylterephthalald...	190	C12H14O2	007072-01-7	43
4	Carbonic acid, butyl 2-formyl-4,...	290	C12H12Cl2O4	1000331-42-2	38
5	2,6-Dichlorobenzaldoxime	189	C7H5Cl2NO	025185-95-9	30





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF092218\
Data File : BF109231.D
Acq On : 22 Sep 2018 19:41
Operator : JU/SJ
Sample : J4777-15 5X
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : PL-02-0920-18-C

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF092218.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

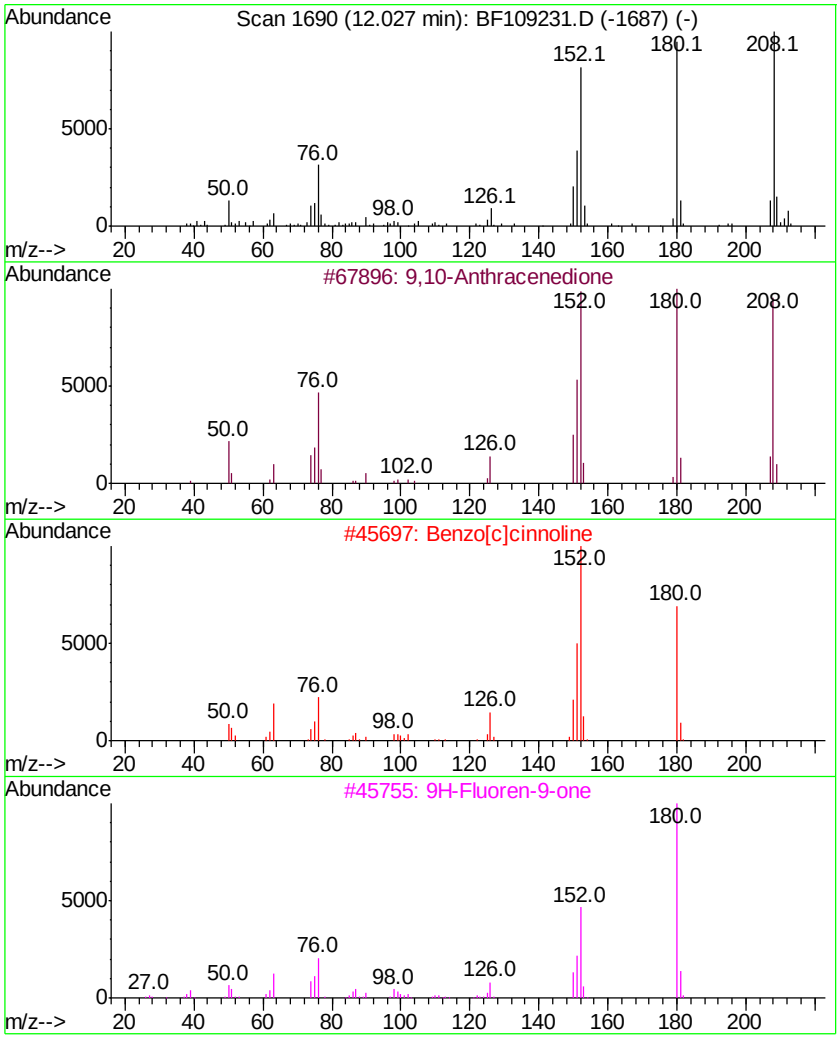
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

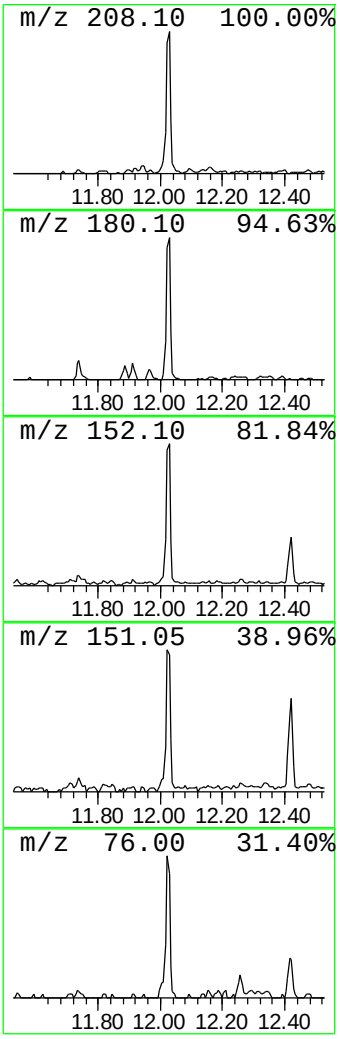
****

Peak Number 6 9,10-Anthracenedione Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.03	5.44 ng	229617	Phenanthrene-d10	11.21

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Anthracenedione	208	C14H8O2	000084-65-1	97
2	Benzo[c]cinnoline	180	C12H8N2	000230-17-1	64
3	9H-Fluoren-9-one	180	C13H8O	000486-25-9	62
4	1H-Phenalen-1-one	180	C13H8O	000548-39-0	60
5	Benzo[h]cinnoline	180	C12H8N2	000230-31-9	58





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF092218\
Data File : BF109231.D
Acq On : 22 Sep 2018 19:41
Operator : JU/SJ
Sample : J4777-15 5X
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : PL-02-0920-18-C

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF092218.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

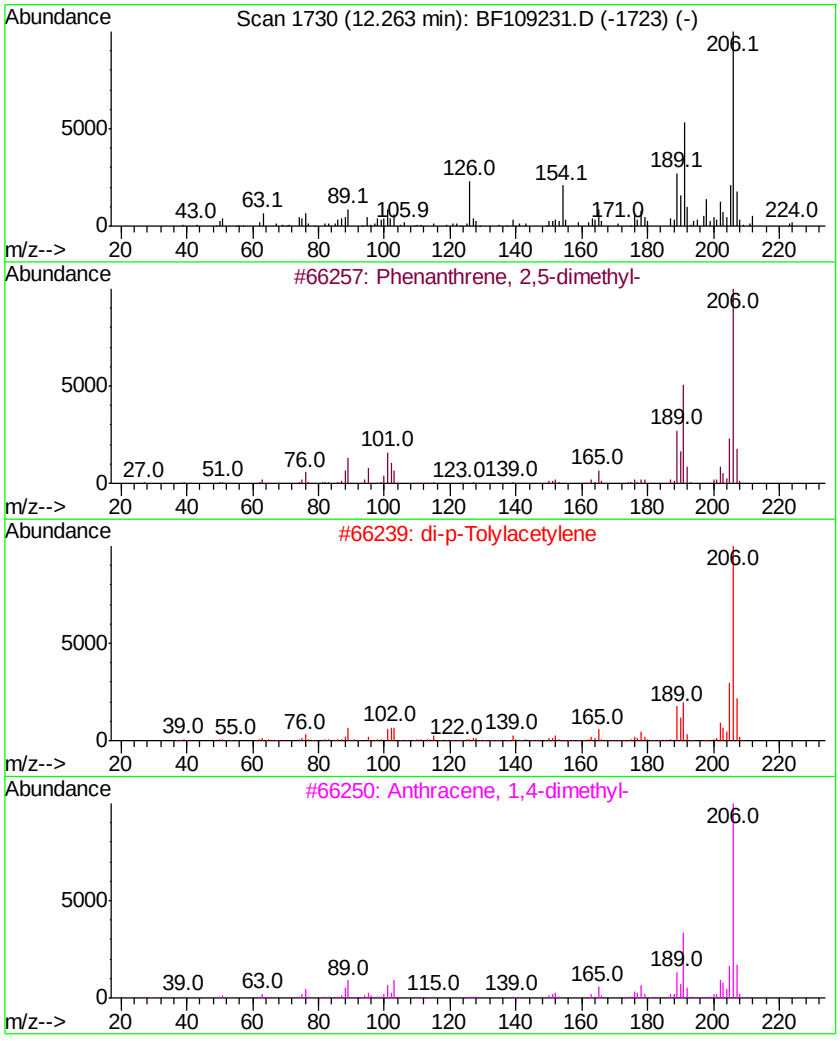
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

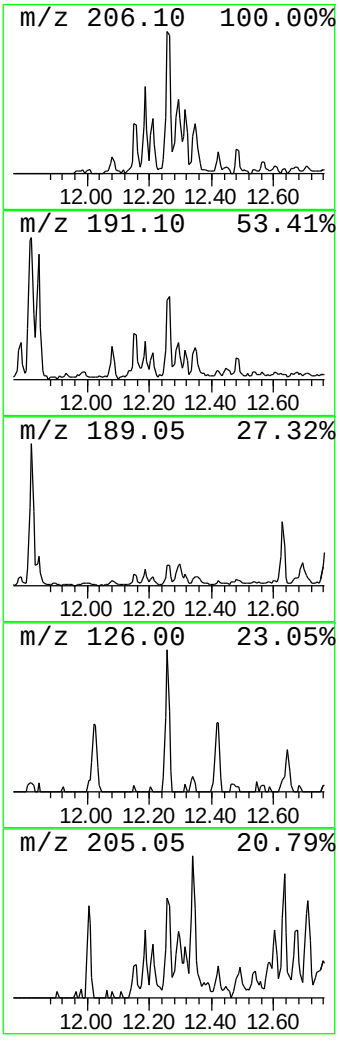
****

Peak Number 7 Phenanthrene, 2,5-dimethyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.26	3.12 ng	131520	Phenanthrene-d10	11.21

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	96
2	di-p-Tolylacetylene	206	C16H14	002789-88-0	86
3	Anthracene, 1,4-dimethyl-	206	C16H14	000781-92-0	86
4	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	83
5	9,10-Dimethylanthracene	206	C16H14	000781-43-1	78





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF092218\
Data File : BF109231.D
Acq On : 22 Sep 2018 19:41
Operator : JU/SJ
Sample : J4777-15 5X
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : PL-02-0920-18-C

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF092218.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

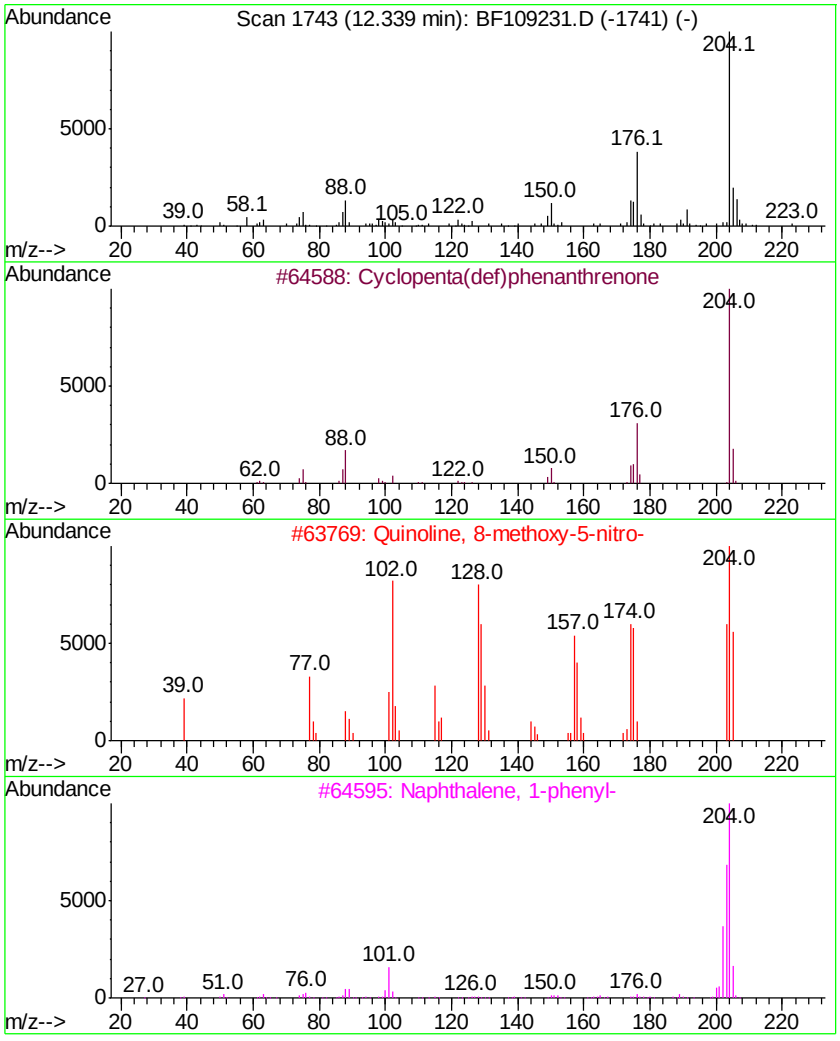
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

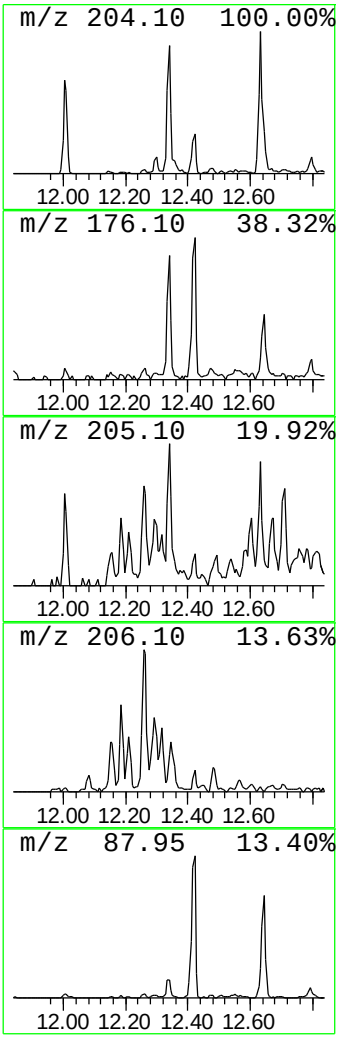
****

Peak Number 8 Cyclopenta(def)phenanthrenone Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.34	2.75 ng	115810	Phenanthrene-d10	11.21

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	93
2	Quinoline, 8-methoxy-5-nitro-	204	C10H8N2O3	1000298-88-7	46
3	Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	43
4	1,2,4,8-Tetramethylbicyclo[6.3.0...	204	C15H24	137235-51-9	43
5	[1,1'-Biphenyl]-4,4'-dicarbonitrile	204	C14H8N2	001591-30-6	38





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF092218\
Data File : BF109231.D
Acq On : 22 Sep 2018 19:41
Operator : JU/SJ
Sample : J4777-15 5X
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : PL-02-0920-18-C

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF092218.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

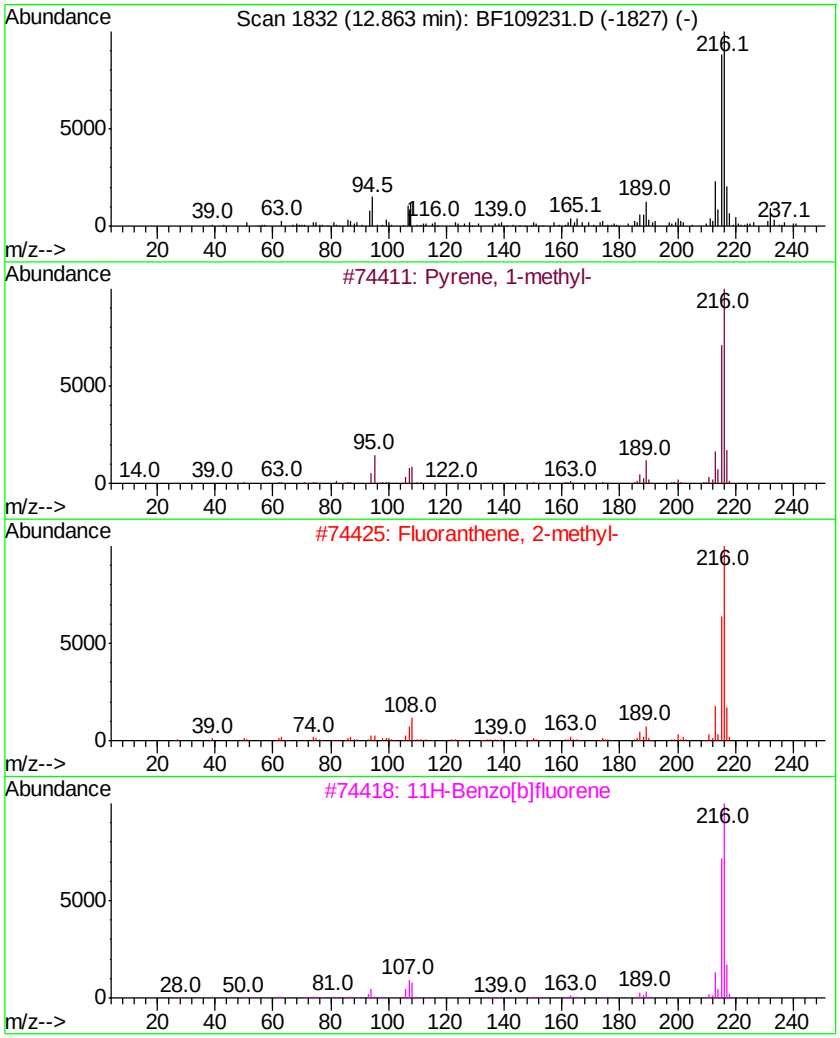
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

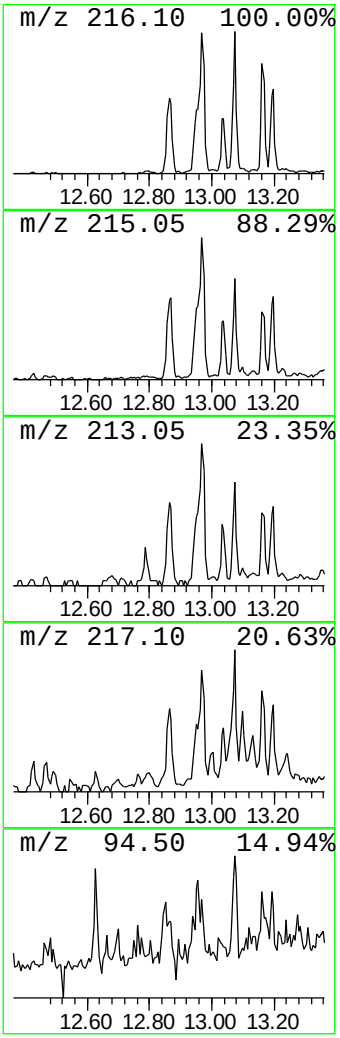
****

Peak Number 9 Pyrene, 1-methyl- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.86	2.10 ng	155314	Chrysene-d12	13.84

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	93
3	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	91
4	Pyrene, 2-methyl-	216	C17H12	003442-78-2	86
5	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	81





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF092218\
Data File : BF109231.D
Acq On : 22 Sep 2018 19:41
Operator : JU/SJ
Sample : J4777-15 5X
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : PL-02-0920-18-C

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF092218.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

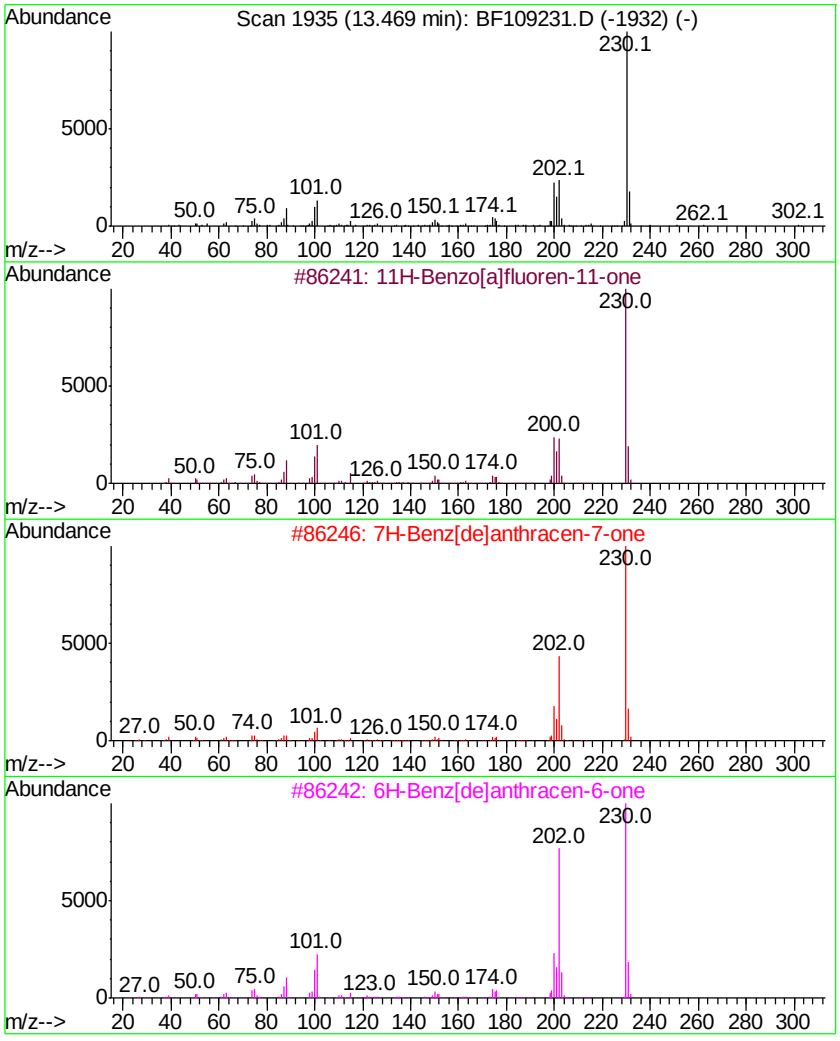
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

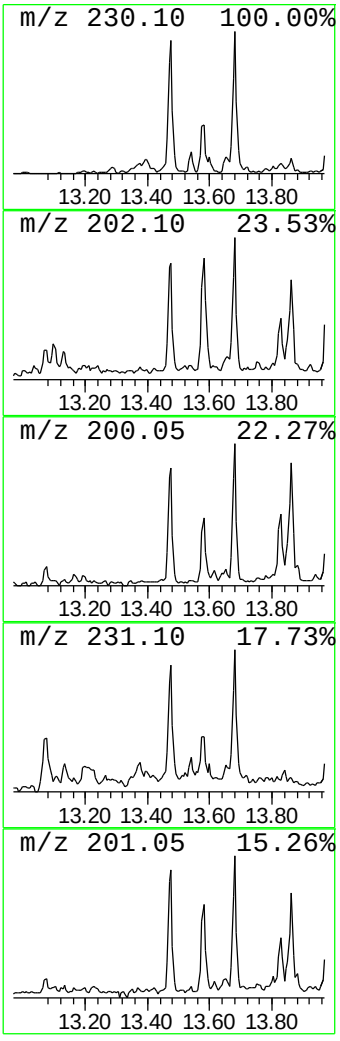
****

Peak Number 10 11H-Benzo[a]fluoren-11-one Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.47	2.60 ng	192284	Chrysene-d12	13.84

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[a]fluoren-11-one	230	C17H10O	000479-79-8	94
2	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	81
3	6H-Benz[de]anthracen-6-one	230	C17H10O	080252-14-8	59
4	5,6-Dihydrochrysene	230	C18H14	002091-92-1	50
5	Pyrene, 1,3-dimethyl-	230	C18H14	064401-21-4	50





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF092218\
Data File : BF109231.D
Acq On : 22 Sep 2018 19:41
Operator : JU/SJ
Sample : J4777-15 5X
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : PL-02-0920-18-C

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF092218.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

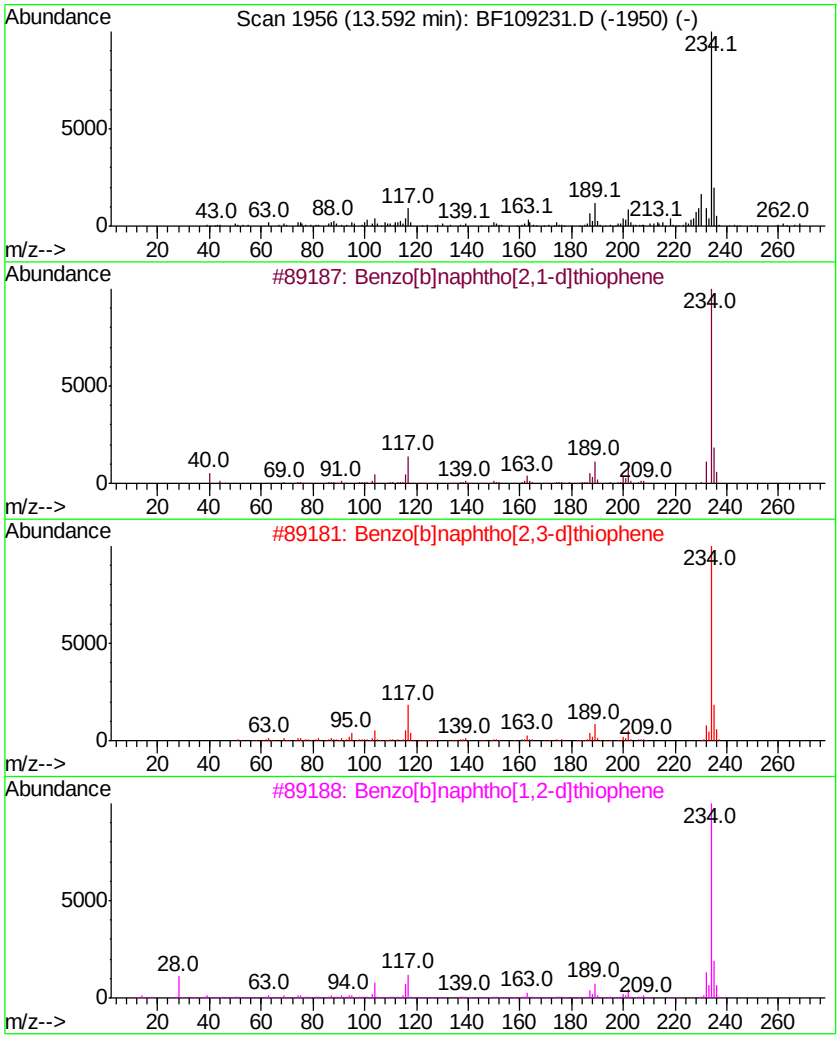
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

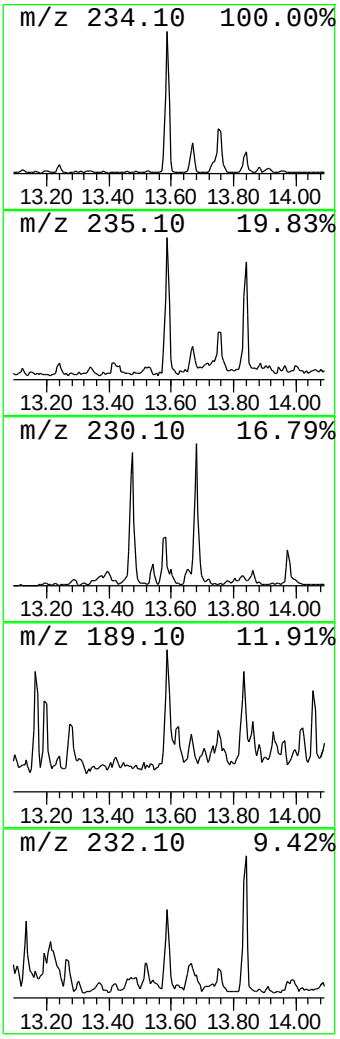
****

Peak Number 11 Benzo[b]naphtho[2,1-d]thiop... Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.59	3.50 ng	259312	Chrysene-d12	13.84

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[b]naphtho[2,1-d]thiophene	234	C16H10S	000239-35-0	96
2	Benzo[b]naphtho[2,3-d]thiophene	234	C16H10S	000243-46-9	91
3	Benzo[b]naphtho[1,2-d]thiophene	234	C16H10S	000205-43-6	90
4	Quinoxalino[2,3-b]quinoxaline, 5...	234	C14H10N4	000531-46-4	59
5	Cyclohexene, 1,2-diphenyl-	234	C18H18	041317-87-7	53





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF092218\
Data File : BF109231.D
Acq On : 22 Sep 2018 19:41
Operator : JU/SJ
Sample : J4777-15 5X
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : PL-02-0920-18-C

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF092218.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

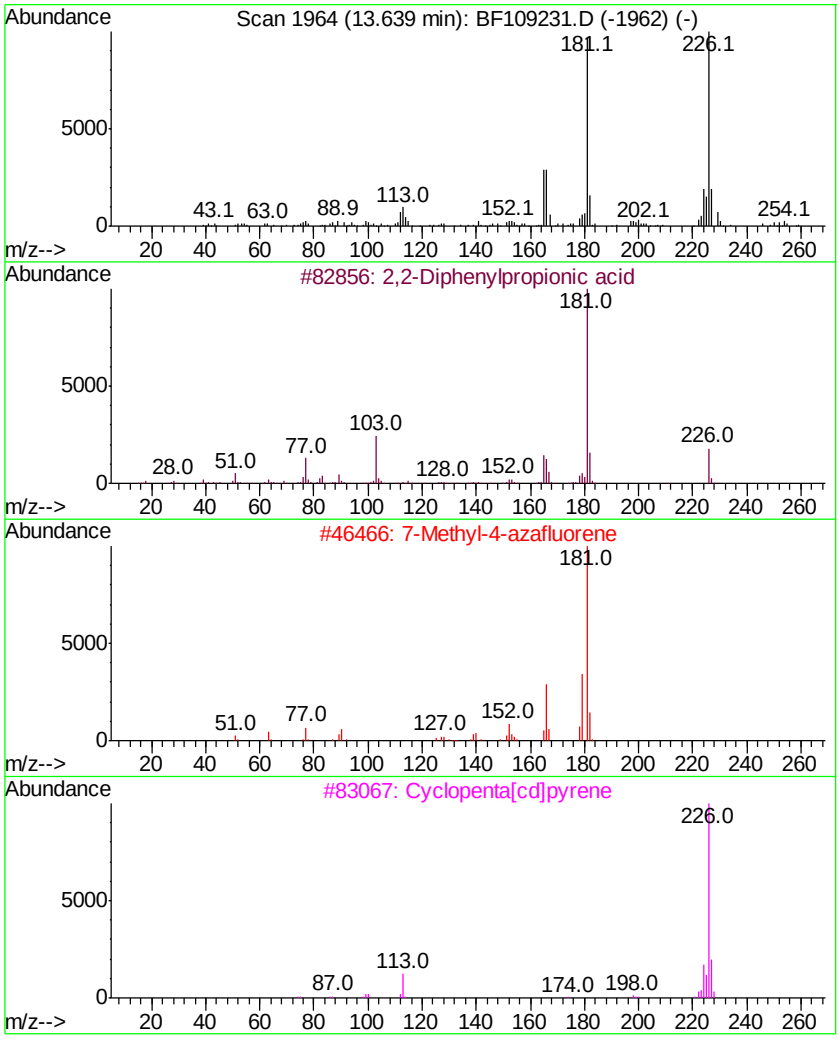
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

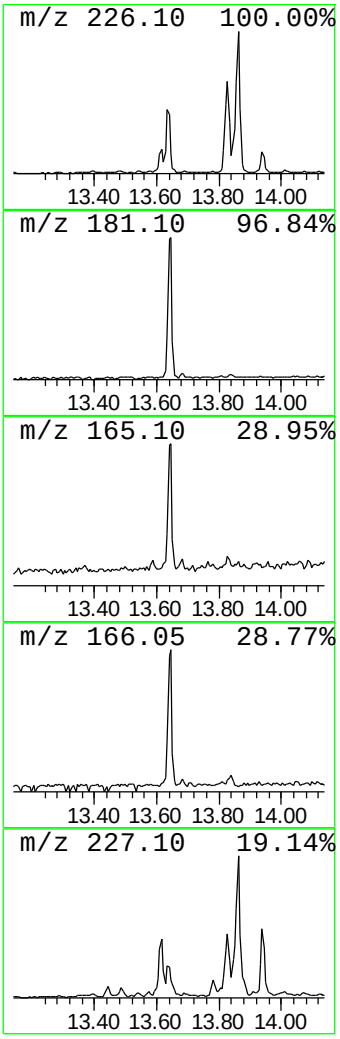
****

Peak Number 12 2,2-Diphenylpropionic acid Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.64	2.76 ng	204334	Chrysene-d12	13.84

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2,2-Diphenylpropionic acid	226	C15H14O2	005558-66-7	59
2	7-Methyl-4-azafluorene	181	C13H11N	064291-99-2	38
3	Cyclopenta[cd]pyrene	226	C18H10	027208-37-3	38
4	Thiophene, 2,5-bis(1,1-dimethyle...	196	C12H20S	001689-77-6	35
5	6-Methyl-4-phenyl-3-cyanopyridin...	226	C13H10N2S	078564-23-5	35





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF092218\
Data File : BF109231.D
Acq On : 22 Sep 2018 19:41
Operator : JU/SJ
Sample : J4777-15 5X
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : PL-02-0920-18-C

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF092218.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

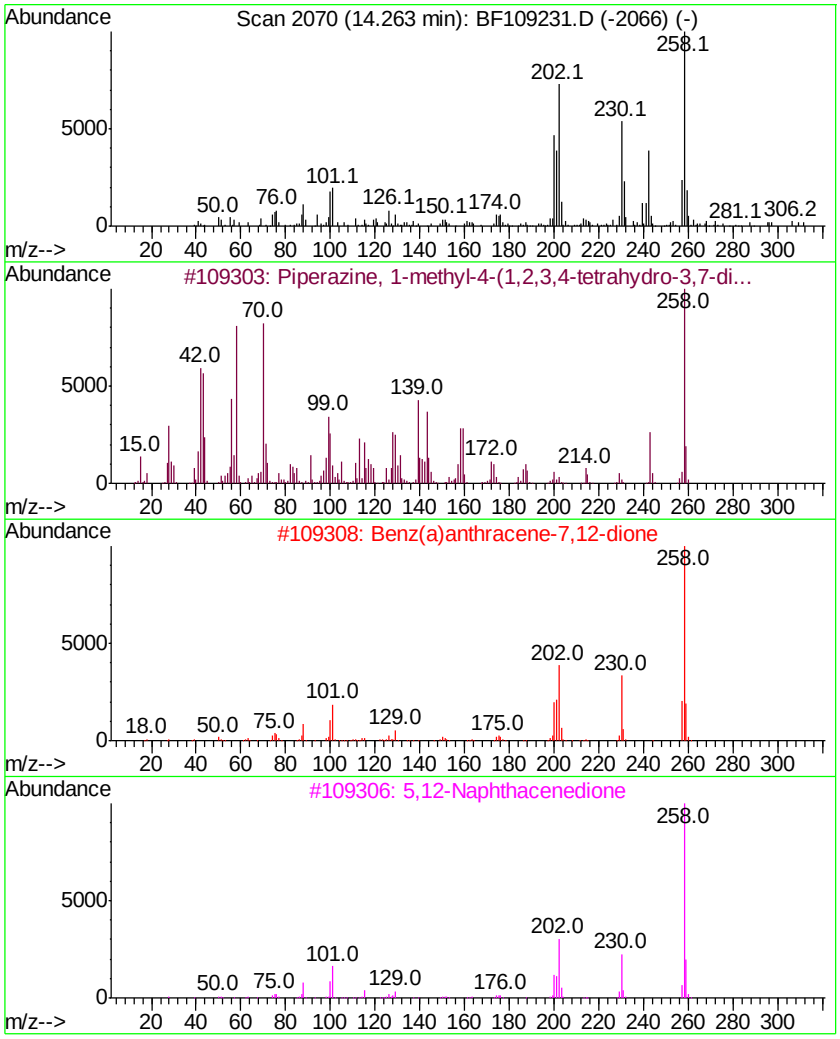
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

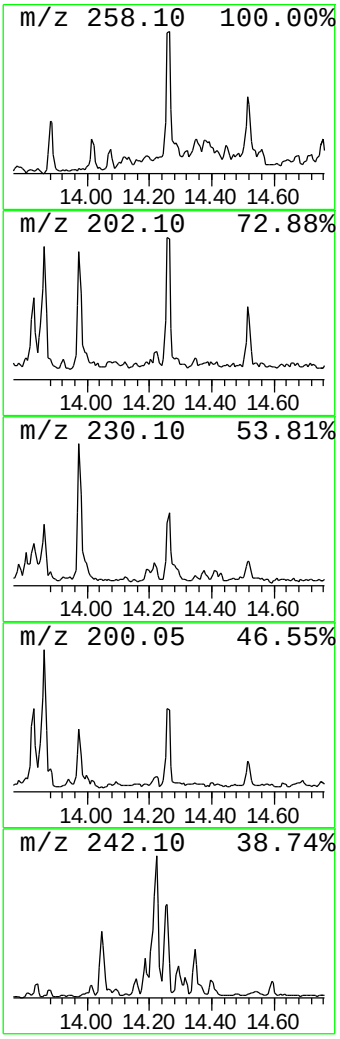
****

Peak Number 14 Piperazine, 1-methyl-4-(1,2... Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.26	2.17 ng	160937	Chrysene-d12	13.84

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Piperazine, 1-methyl-4-(1,2,3,4-...	258	C17H26N2	055591-14-5	90
2	Benz(a)anthracene-7,12-dione	258	C18H10O2	002498-66-0	89
3	5,12-Naphthacenedione	258	C18H10O2	001090-13-7	60
4	Chrysene, 5-methyl-	242	C19H14	003697-24-3	56
5	Chrysene, 1-methyl-	242	C19H14	003351-28-8	56





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF092218\
Data File : BF109231.D
Acq On : 22 Sep 2018 19:41
Operator : JU/SJ
Sample : J4777-15 5X
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : PL-02-0920-18-C

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF092218.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

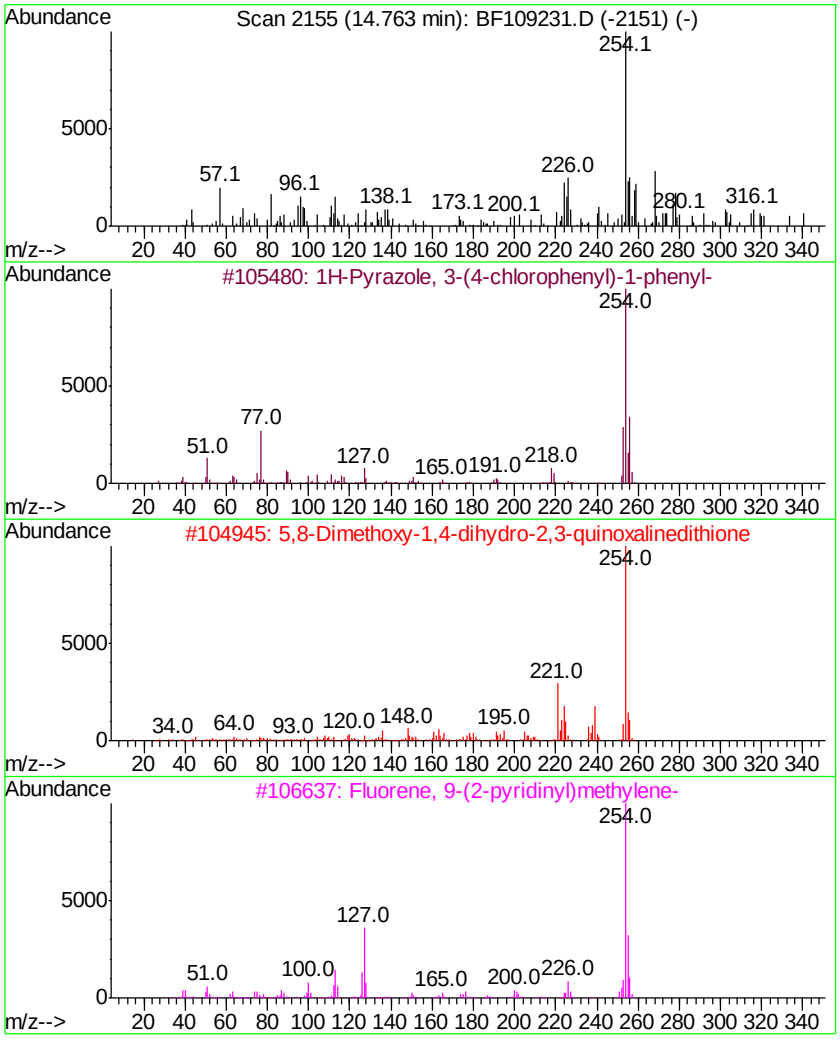
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

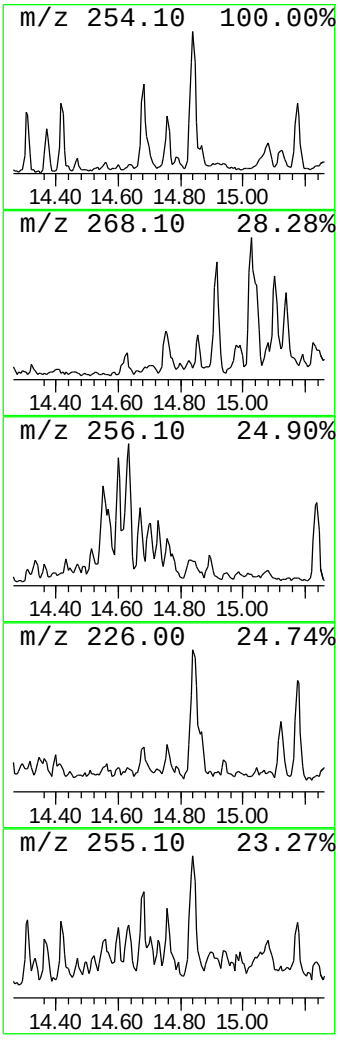
****

Peak Number 15 unknown14.76 Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.76	3.15 ng	91279	Perylene-d12	15.24

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Pyrazole, 3-(4-chlorophenyl)-...	254	C15H11ClN2	033064-19-6	35
2	5,8-Dimethoxy-1,4-dihydro-2,3-qu...	254	C10H10N2O2S2	001790-96-1	35
3	Fluorene, 9-(2-pyridinyl)methylene-	255	C19H13N	002871-27-4	32
4	Benzoic acid, 4-[2-(3-methoxyphe...	254	C16H14O3	1000197-90-6	30
5	9,10-Anthracenedione, 1,8-dihydr...	254	C15H10O4	000481-74-3	27





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF092218\
Data File : BF109231.D
Acq On : 22 Sep 2018 19:41
Operator : JU/SJ
Sample : J4777-15 5X
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : PL-02-0920-18-C

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF092218.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

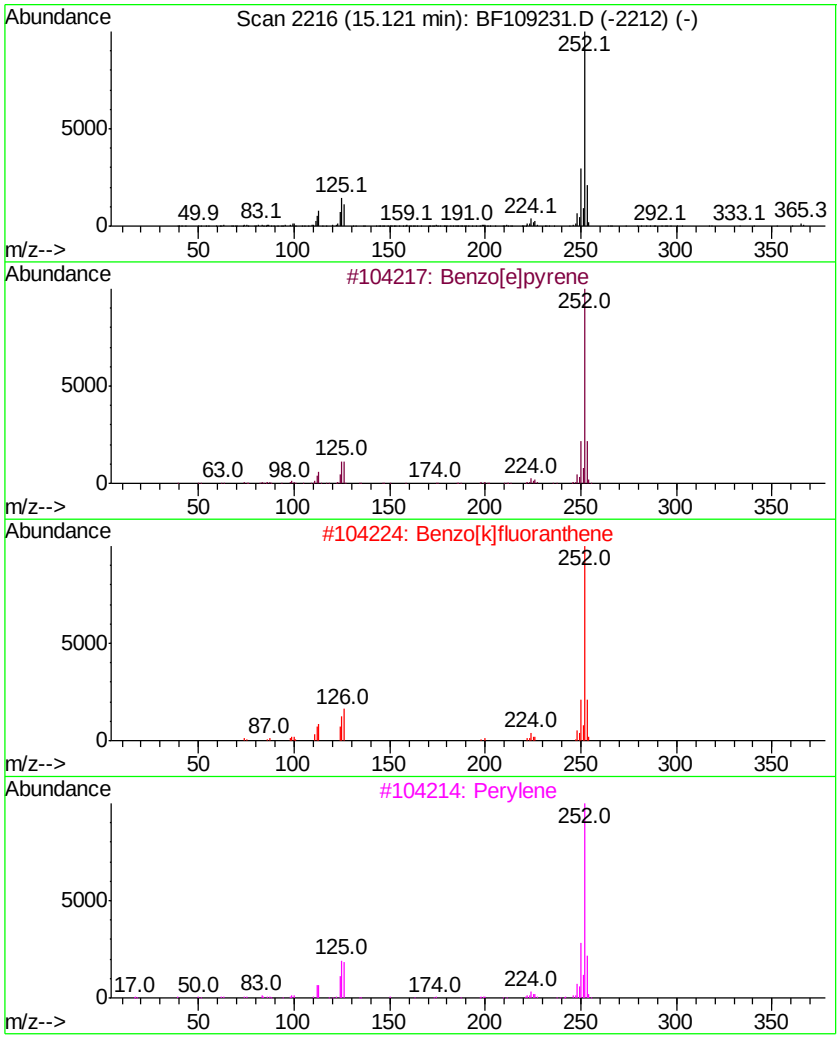
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

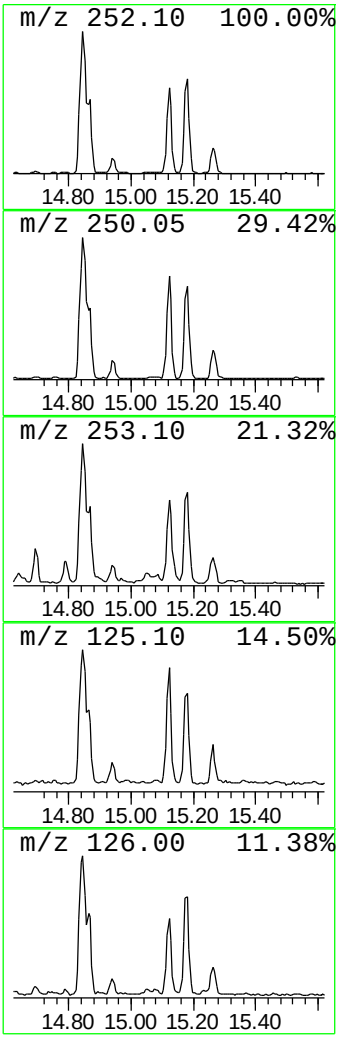
****

Peak Number 17 Benzo[e]pyrene Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.12	16.69 ng	484256	Perylene-d12	15.24

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	98
2	Benzo[k]fluoranthene	252	C20H12	000207-08-9	96
3	Perylene	252	C20H12	000198-55-0	96
4	Benzo[a]pyrene	252	C20H12	000050-32-8	93
5	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	93





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF092218\
Data File : BF109231.D
Acq On : 22 Sep 2018 19:41
Operator : JU/SJ
Sample : J4777-15 5X
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : PL-02-0920-18-C

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF092218.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

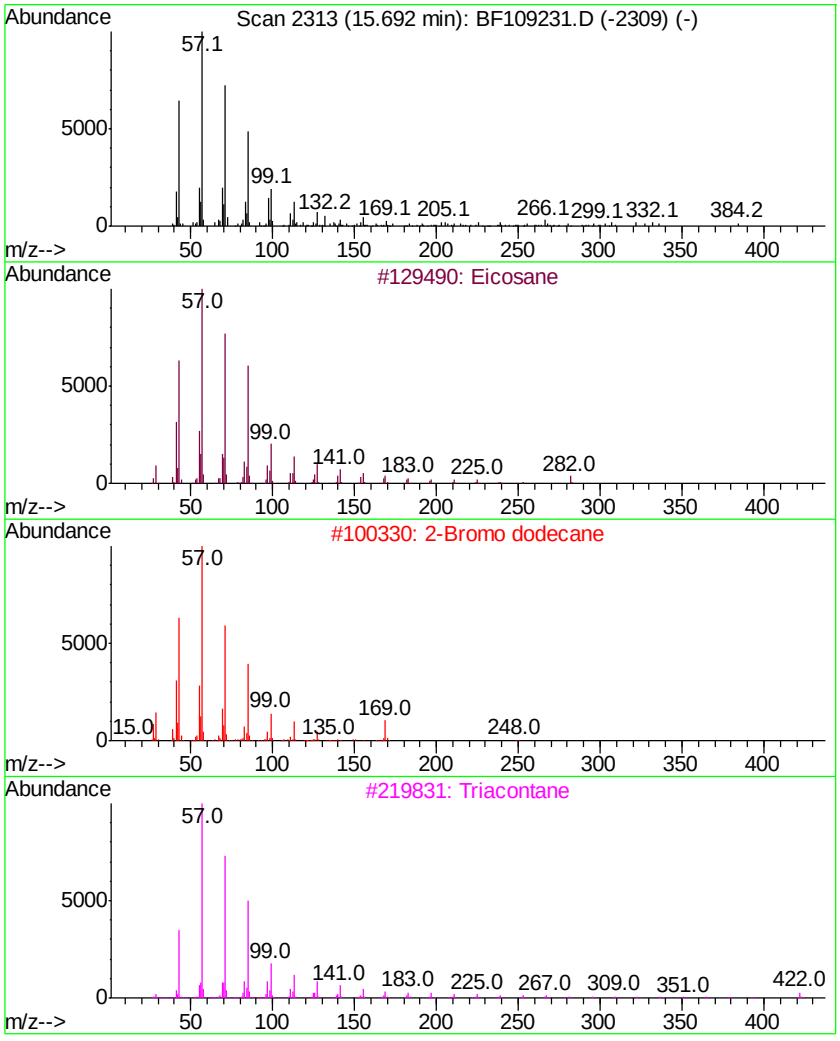
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

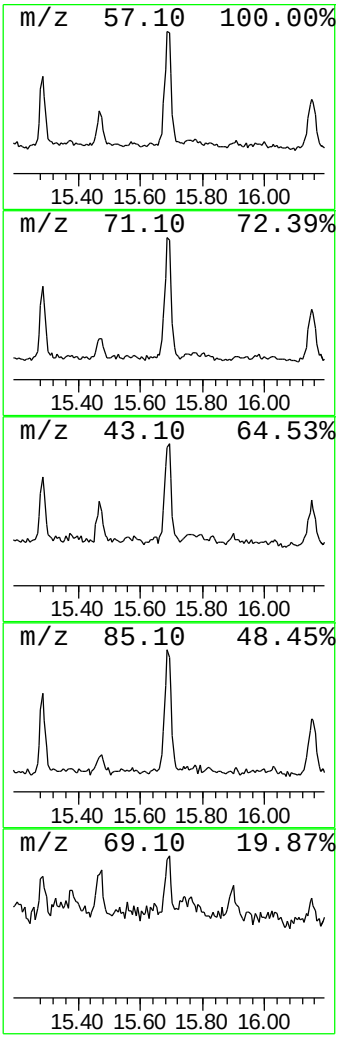
****

Peak Number 18 Eicosane Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.69	4.80 ng	139355	Perylene-d12	15.24

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Eicosane	282	C20H42	000112-95-8	93
2	2-Bromo dodecane	248	C12H25Br	013187-99-0	87
3	Triacontane	422	C30H62	000638-68-6	86
4	Heptadecane, 2,6,10,15-tetramethyl-	296	C21H44	054833-48-6	83
5	Octadecane, 1-iodo-	380	C18H37I	000629-93-6	80





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF092218\
Data File : BF109231.D
Acq On : 22 Sep 2018 19:41
Operator : JU/SJ
Sample : J4777-15 5X
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : PL-02-0920-18-C

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF092218.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

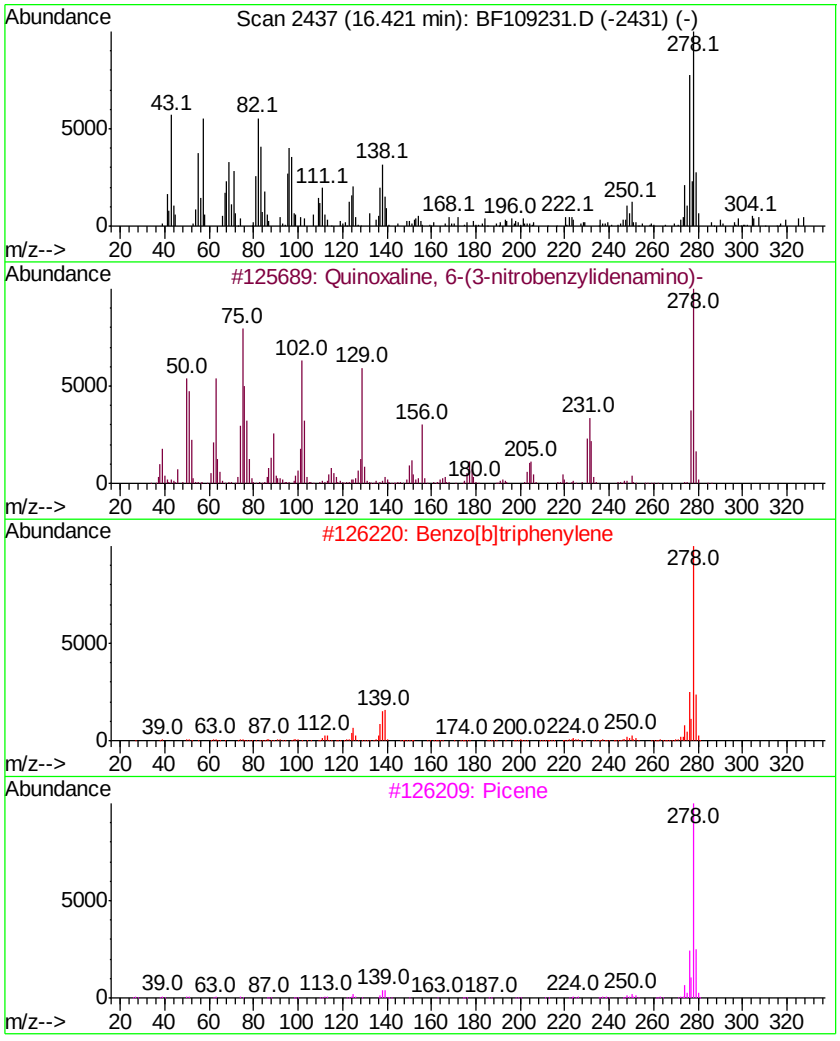
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

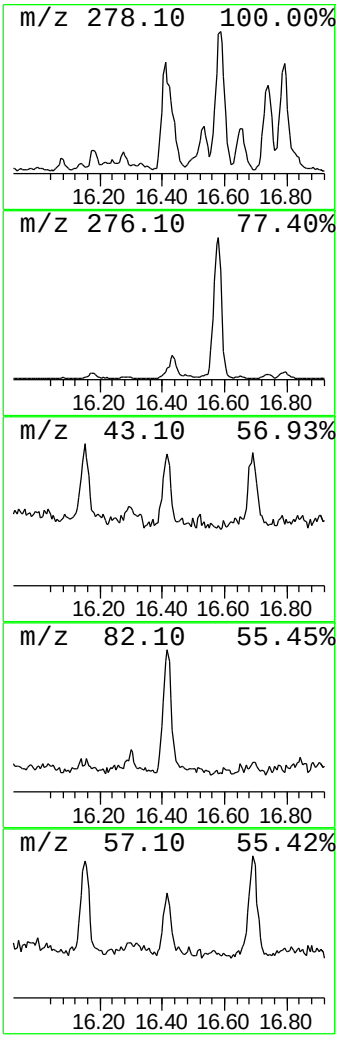
****

Peak Number 19 Quinoxaline, 6-(3-nitrobenz... Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.42	8.76 ng	254039	Perylene-d12	15.24

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Quinoxaline, 6-(3-nitrobenzylide...	278	C15H10N4O2	302800-55-1	90
2	Benzo[b]triphenylene	278	C22H14	000215-58-7	55
3	Picene	278	C22H14	000213-46-7	46
4	Oxirane, hexadecyl-	268	C18H36O	007390-81-0	38
5	Estra-1,3,5,7,9,15-hexaen-17-one...	278	C19H18O2	056588-53-5	27





Tentatively Identified Compound (LSC) summary

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF092218\
Data File : BF109231.D
Acq On : 22 Sep 2018 19:41
Operator : JU/SJ
Sample : J4777-15 5X
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : PL-02-0920-18-C

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF092218.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
unknown6.47	6.47	12.0	ng	442763	1	6.70	737721	20.0
Anthracene, 1-met...	11.71	2.8	ng	116543	4	11.21	843777	20.0
Phenanthrene, 2-m...	11.74	4.1	ng	174375	4	11.21	843777	20.0
4H-Cyclopenta[def...	11.82	4.4	ng	184392	4	11.21	843777	20.0
9,10-Anthracenedione	12.03	5.4	ng	229617	4	11.21	843777	20.0
Phenanthrene, 2,5...	12.26	3.1	ng	131520	4	11.21	843777	20.0
Cyclopenta(def)ph...	12.34	2.8	ng	115810	4	11.21	843777	20.0
Pyrene, 1-methyl-	12.86	2.1	ng	155314	5	13.84	1481340	20.0
11H-Benzo[a]fluor...	13.47	2.6	ng	192284	5	13.84	1481340	20.0
Benzo[b]naphtho[2...	13.59	3.5	ng	259312	5	13.84	1481340	20.0
2,2-Diphenylpropi...	13.64	2.8	ng	204334	5	13.84	1481340	20.0
Piperazine, 1-met...	14.26	2.2	ng	160937	5	13.84	1481340	20.0
unknown14.76	14.76	3.1	ng	91279	6	15.24	580174	20.0
Benzo[e]pyrene	15.12	16.7	ng	484256	6	15.24	580174	20.0
Eicosane	15.69	4.8	ng	139355	6	15.24	580174	20.0
Quinoxaline, 6-(3...	16.42	8.8	ng	254039	6	15.24	580174	20.0