LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF062419\
Data File : BF115150.D
Acq On : 24 Jun 2019 16:14
Operator : HP/JU
Sample : K3159-05
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : OR-02-061919-A

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-BF062119.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	4.448	423	427	434	rVB	104413	129647	2.39%	0.156%
2	5.207	551	556	559	rBV	4152911	3987254	73.40%	4.799%
3	6.248	725	733	736	rBV	4043333	4064146	74.82%	4.892%
4	6.278	736	738	743	rVB	89893	94010	1.73%	0.113%
5	6.378	750	755	758	rBV	4736594	4306097	79.27%	5.183%
6	6.466	768	770	776	rVB2	83130	90440	1.66%	0.109%
7	6.607	791	794	798	rBV	1545274	1373828	25.29%	1.654%
8	6.766	817	821	824	rBV	4148179	3458080	63.66%	4.162%
9	7.166	884	889	892	rBV	2679734	2619592	48.22%	3.153%
10	7.231	897	900	903	rVB	94642	70763	1.30%	0.085%
11	7.889	1008	1012	1015	rBV	2107895	1743610	32.10%	2.099%
12	8.601	1129	1133	1136	rVB	190221	149417	2.75%	0.180%
13	8.695	1143	1149	1152	rBV	217092	203276	3.74%	0.245%
14	8.966	1191	1195	1198	rBV	4960756	4344701	79.98%	5.230%
15	9.225	1235	1239	1243	rBV	204083	268389	4.94%	0.323%
16	9.301	1248	1252	1254	rVV	320435	315077	5.80%	0.379%
17	9.324	1254	1256	1259	rVV	225038	168510	3.10%	0.203%
18	9.360	1259	1262	1268	rVV	588041	512878	9.44%	0.617%
19	9.413	1268	1271	1279	rVB	158166	193779	3.57%	0.233%
20	9.495	1281	1285	1289	rBV	414428	331932	6.11%	0.400%
21	9.636	1304	1309	1312	rBV	2092622	1837784	33.83%	2.212%
22	9.666	1312	1314	1318	rVB	276134	219994	4.05%	0.265%
23	9.742	1324	1327	1332	rBV2	73816	104728	1.93%	0.126%
24	9.836	1339	1343	1347	rBV	233311	259713	4.78%	0.313%
25	9.877	1347	1350	1353	rVB	182791	167972	3.09%	0.202%
26	9.954	1359	1363	1366	rBV2	167385	206501	3.80%	0.249%
27	9.983	1366	1368	1374	rVB	126577	101059	1.86%	0.122%
28	10.042	1374	1378	1380	rBV2	90818	138046	2.54%	0.166%
29	10.083	1383	1385	1389	rVB2	92208	74814	1.38%	0.090%
30	10.148	1389	1396	1398	rBV3	97867	151553	2.79%	0.182%
31	10.177	1398	1401	1408	rVB	431815	417435	7.68%	0.502%
32	10.242	1408	1412	1414	rBV	87921	101027	1.86%	0.122%
33	10.336	1425	1428	1430	rBV2	102158	79459	1.46%	0.096%
34	10.413	1434	1441	1447	rBV	2715325	2580368	47.50%	3.106%

LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF062419\
Data File : BF115150.D
Acq On : 24 Jun 2019 16:14
Operator : HP/JU
Sample : K3159-05
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : OR-02-061919-A

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-BF062119.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	10.548	1459	1464	1468	rBV3	105536	140448	2.59%	0.169%
36	10.724	1489	1494	1496	rBV2	171494	224027	4.12%	0.270%
37	10.748	1496	1498	1502	rVB2	132335	103474	1.90%	0.125%
38	10.807	1505	1508	1511	rVB2	115089	112773	2.08%	0.136%
39	10.854	1511	1516	1518	rBV2	73504	97788	1.80%	0.118%
40	11.001	1538	1541	1545	rVB	158370	149138	2.75%	0.180%
41	11.107	1555	1559	1561	rBV	2110806	1794751	33.04%	2.160%
42	11.130	1561	1563	1566	rVV	2281202	1693042	31.17%	2.038%
43	11.177	1566	1571	1574	rVB	598167	537736	9.90%	0.647%
44	11.224	1575	1579	1581	rBV	133455	139526	2.57%	0.168%
45	11.436	1612	1615	1619	rVB	206203	185511	3.42%	0.223%
46	11.518	1627	1629	1633	rVB	127926	123972	2.28%	0.149%
47	11.607	1641	1644	1646	rBV	628040	500465	9.21%	0.602%
48	11.636	1646	1649	1651	rVV	783307	656279	12.08%	0.790%
49	11.671	1651	1655	1659	rVV2	1754484	2235568	41.15%	2.691%
50	11.713	1659	1662	1665	rVV	953925	1163883	21.43%	1.401%
51	11.736	1665	1666	1673	rVB	473847	398277	7.33%	0.479%
52	11.842	1681	1684	1686	rVB	134793	120598	2.22%	0.145%
53	11.901	1692	1694	1696	rBV	266585	233376	4.30%	0.281%
54	12.001	1705	1711	1714	rBV3	86872	174852	3.22%	0.210%
55	12.030	1714	1716	1717	rVV	109700	82463	1.52%	0.099%
56	12.054	1717	1720	1722	rVV	198854	206583	3.80%	0.249%
57	12.083	1722	1725	1727	rVV	358761	324140	5.97%	0.390%
58	12.107	1727	1729	1731	rVB	237329	180771	3.33%	0.218%
59	12.154	1733	1737	1740	rBV	654106	724807	13.34%	0.872%
60	12.189	1740	1743	1745	rVV	433244	465103	8.56%	0.560%
61	12.213	1745	1747	1748	rVV	226348	176016	3.24%	0.212%
62	12.236	1748	1751	1756	rVB4	210104	355838	6.55%	0.428%
63	12.313	1760	1764	1767	rBV	3061774	2514705	46.29%	3.027%
64	12.365	1770	1773	1777	rVV3	269523	412609	7.60%	0.497%
65	12.401	1777	1779	1783	rVV2	179490	174746	3.22%	0.210%
66	12.460	1783	1789	1797	rVV	3820399	5432105	100.00%	6.538%
67	12.536	1797	1802	1805	rVV	3026245	3160125	58.17%	3.804%
68	12.565	1805	1807	1809	rVV2	272492	298058	5.49%	0.359%
69	12.601	1809	1813	1817	rVB3	323089	490418	9.03%	0.590%
70	12.660	1820	1823	1825	rVV	208431	186020	3.42%	0.224%
71	12.695	1825	1829	1832	rVV	3939931	3883552	71.49%	4.675%

LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF062419\
Data File : BF115150.D
Acq On : 24 Jun 2019 16:14
Operator : HP/JU
Sample : K3159-05
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : OR-02-061919-A

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-BF062119.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

72	12.760	1835	1840	1843	rBV3	315771	447431	8.24%	0.539%
73	12.865	1855	1858	1862	rVB	589664	586632	10.80%	0.706%
74	12.930	1866	1869	1872	rVV	454682	404504	7.45%	0.487%
75	12.965	1872	1875	1879	rVV	577060	566547	10.43%	0.682%
76	13.024	1883	1885	1888	rBV3	108701	120922	2.23%	0.146%
77	13.060	1888	1891	1893	rVV	427976	377862	6.96%	0.455%
78	13.089	1893	1896	1900	rVB	442719	363377	6.69%	0.437%
79	13.430	1952	1954	1957	rVB	135853	100166	1.84%	0.121%
80	13.471	1958	1961	1965	rBV3	258318	408220	7.51%	0.491%
81	13.507	1965	1967	1969	rVV	143304	106631	1.96%	0.128%
82	13.618	1983	1986	1993	rBV4	372870	552177	10.17%	0.665%
83	13.724	1999	2004	2007	rBV2	2384385	3308179	60.90%	3.982%
84	13.754	2007	2009	2011	rVB	1320773	968320	17.83%	1.166%
85	13.830	2017	2022	2024	rBV2	248542	336146	6.19%	0.405%
86	13.936	2037	2040	2044	rBV2	146499	163322	3.01%	0.197%
87	14.077	2062	2064	2066	rBV	152973	150533	2.77%	0.181%
88	14.112	2066	2070	2073	rVV	479717	551782	10.16%	0.664%
89	14.148	2073	2076	2078	rVB	217268	208189	3.83%	0.251%
90	14.236	2088	2091	2093	rBV	483934	473901	8.72%	0.570%
91	14.536	2138	2142	2144	rBV3	408136	462322	8.51%	0.556%
92	14.724	2170	2174	2176	rBV	1072954	1508567	27.77%	1.816%
93	14.812	2187	2189	2191	rBV	232478	231952	4.27%	0.279%
94	14.836	2191	2193	2197	rVB	450089	388511	7.15%	0.468%
95	14.983	2215	2218	2224	rVB	670305	827272	15.23%	0.996%
96	15.036	2224	2227	2231	rBV	1073364	1206463	22.21%	1.452%
97	15.095	2233	2237	2240	rBV	1505963	1760641	32.41%	2.119%
98	15.171	2248	2250	2257	rVB2	474008	649903	11.96%	0.782%
99	15.554	2312	2315	2318	rBV	320378	428847	7.89%	0.516%
100	16.365	2449	2453	2460	rVB2	415761	700670	12.90%	0.843%

Sum of corrected areas: 83079411

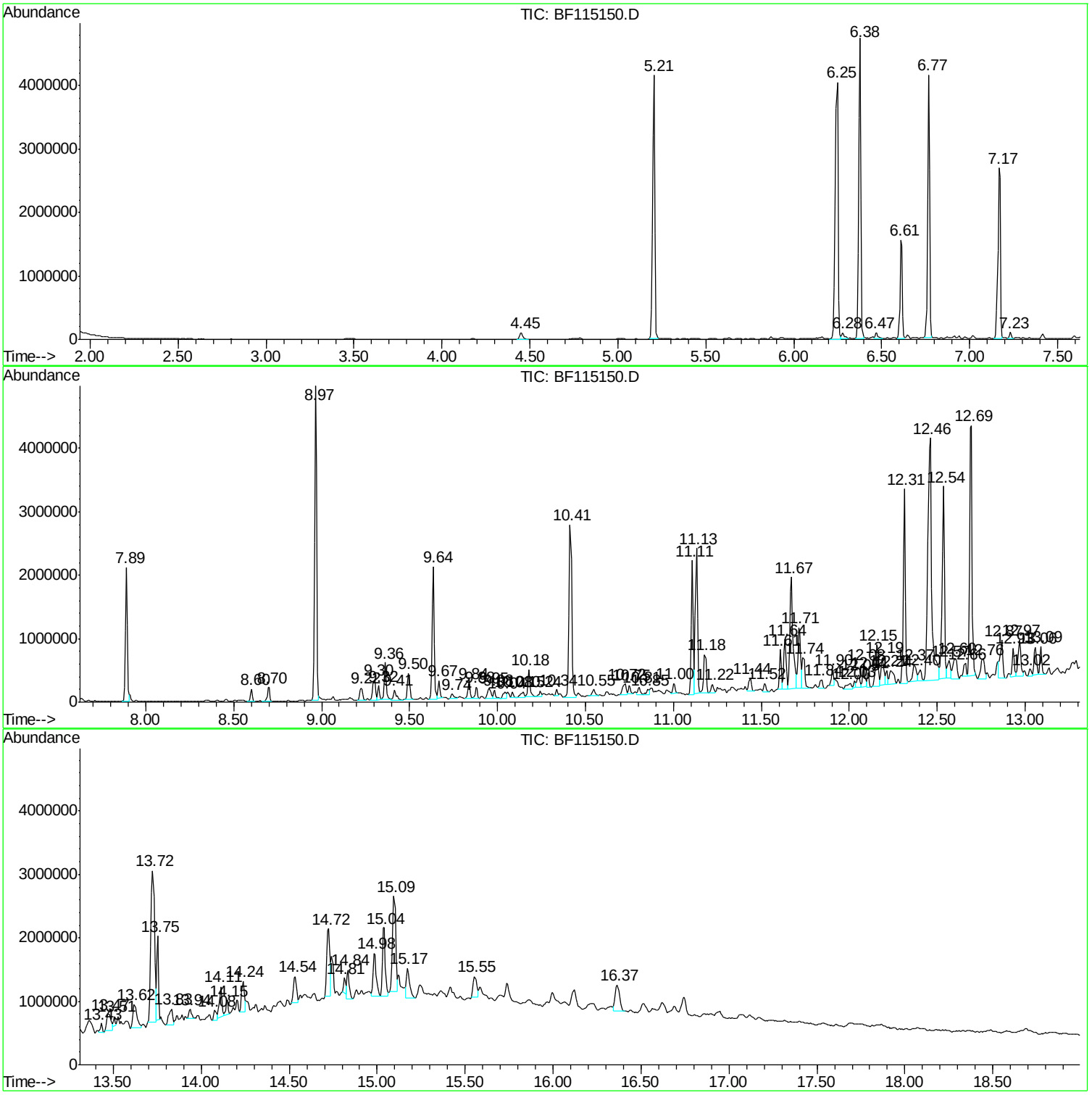
LSC Report - Integrated Chromatogram

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF062419\
Data File : BF115150.D
Acq On : 24 Jun 2019 16:14
Operator : HP/JU
Sample : K3159-05
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : OR-02-061919-A

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF062119.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\BF062419\
Data File : BF115150.D
Acq On : 24 Jun 2019 16:14
Operator : HP/JU
Sample : K3159-05
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : OR-02-061919-A

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF062119.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

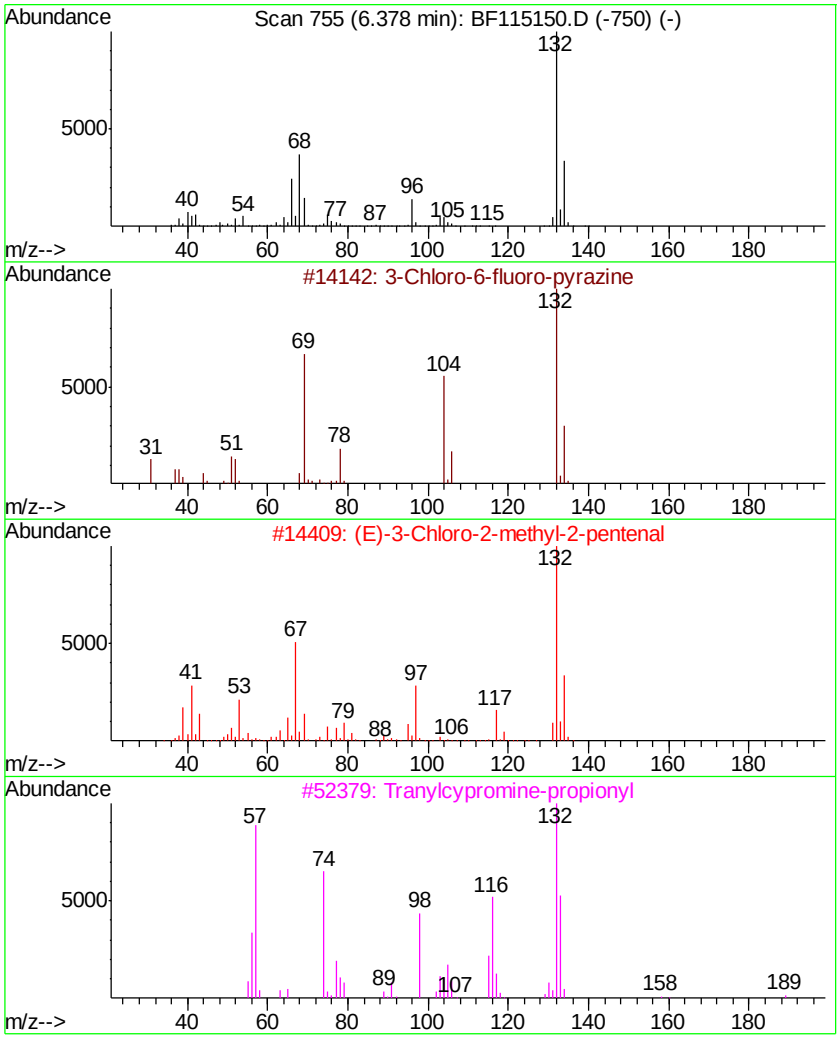
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

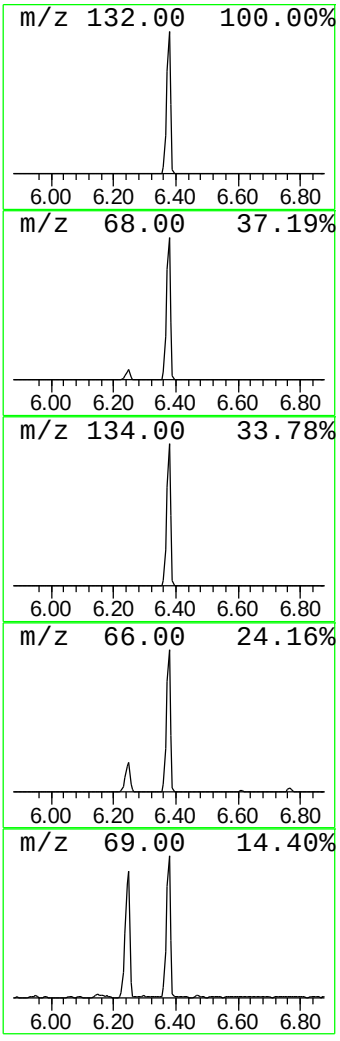
****

Peak Number 1 unknown6.38 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.38	62.69 ng	4306100	1,4-Dichlorobenzene-d4	6.61

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	35
2	(E)-3-Chloro-2-methyl-2-pentenal	132	C6H9ClO	031357-76-3	25
3	Tranylcypromine-propionyl	189	C12H15NO	1000123-86-3	16
4	4-Chloro-2-fluoro-pyrimidine	132	C4H2ClFN2	051422-00-5	9
5	1-Methylpyrrolo[1,2-a]pyrazine	132	C8H8N2	064608-59-9	9





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF062419\
Data File : BF115150.D
Acq On : 24 Jun 2019 16:14
Operator : HP/JU
Sample : K3159-05
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : OR-02-061919-A

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF062119.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

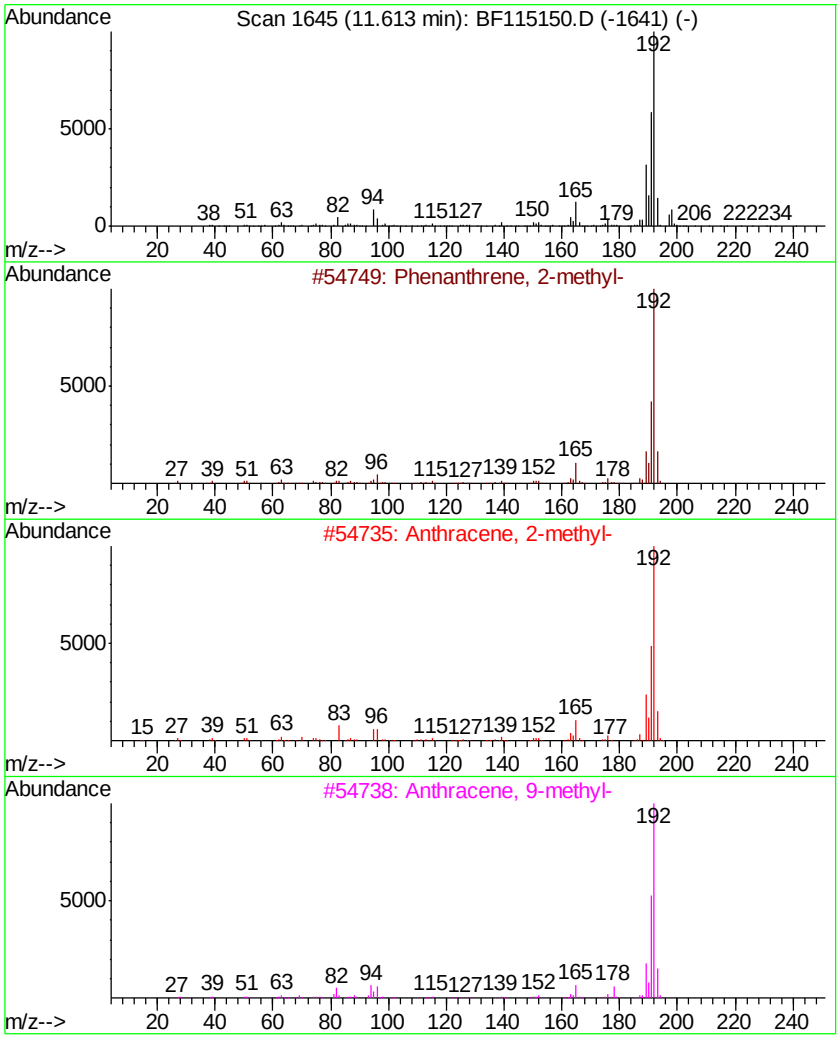
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

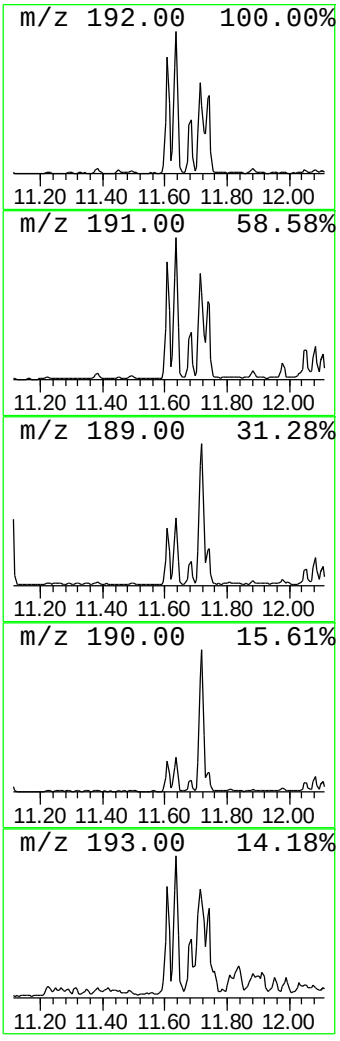
****

Peak Number 4 Anthracene, 2-methyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.61	5.58 ng	500465	Phenanthrene-d10	11.11

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	95
3	Anthracene, 9-methyl-	192	C15H12	000779-02-2	91
4	Anthracene, 1-methyl-	192	C15H12	000610-48-0	91
5	1H-Indene, 1-phenyl-	192	C15H12	001961-96-2	81





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF062419\
Data File : BF115150.D
Acq On : 24 Jun 2019 16:14
Operator : HP/JU
Sample : K3159-05
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : OR-02-061919-A

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF062119.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

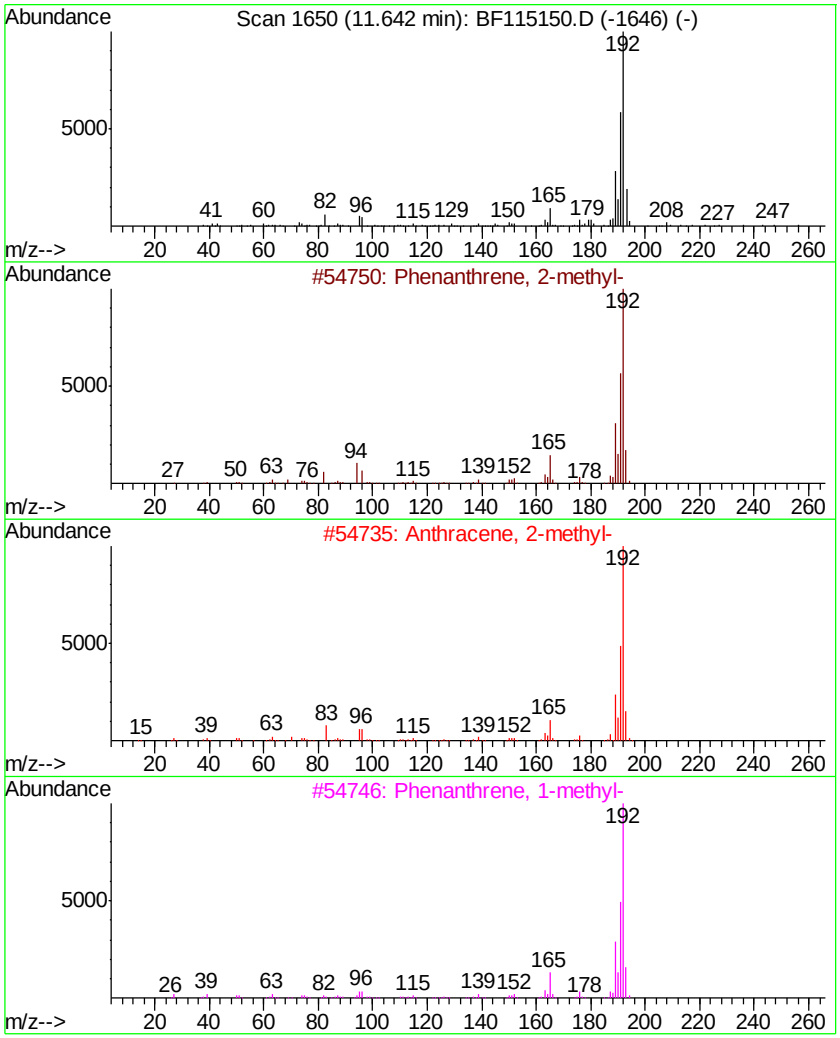
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

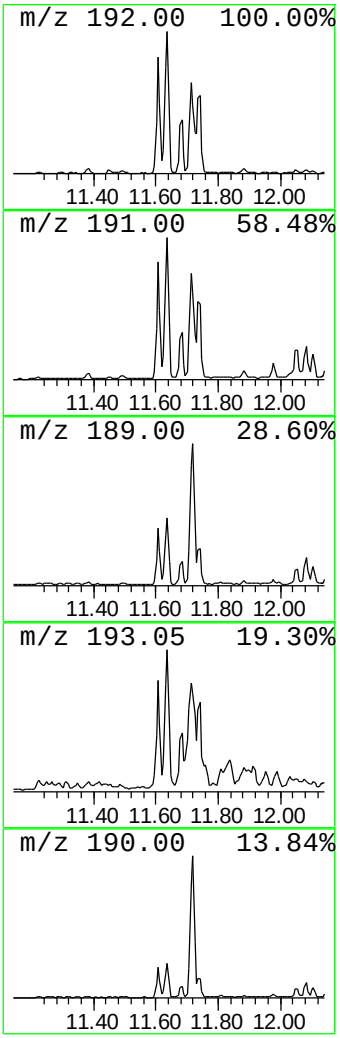
****

Peak Number 5 Phenanthrene, 2-methyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.64	7.31 ng	656279	Phenanthrene-d10	11.11

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	98
2	Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
3	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	96
4	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	95
5	Anthracene, 1-methyl-	192	C15H12	000610-48-0	93





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF062419\
Data File : BF115150.D
Acq On : 24 Jun 2019 16:14
Operator : HP/JU
Sample : K3159-05
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : OR-02-061919-A

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF062119.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

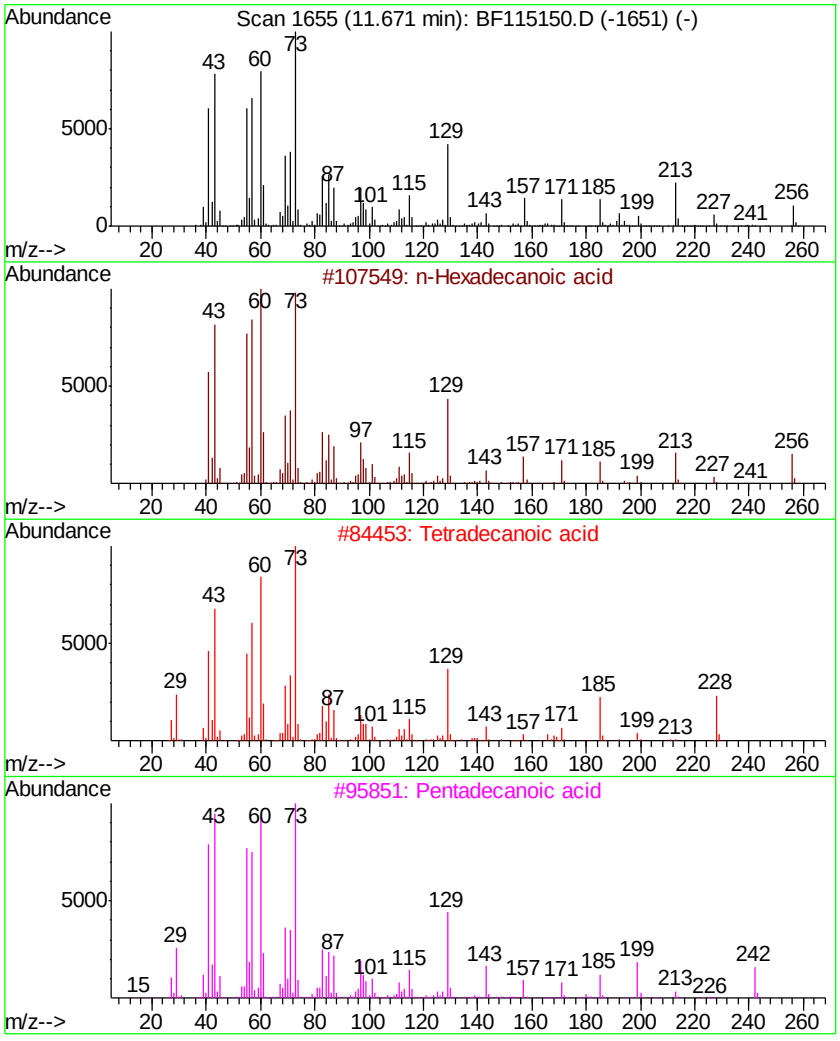
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

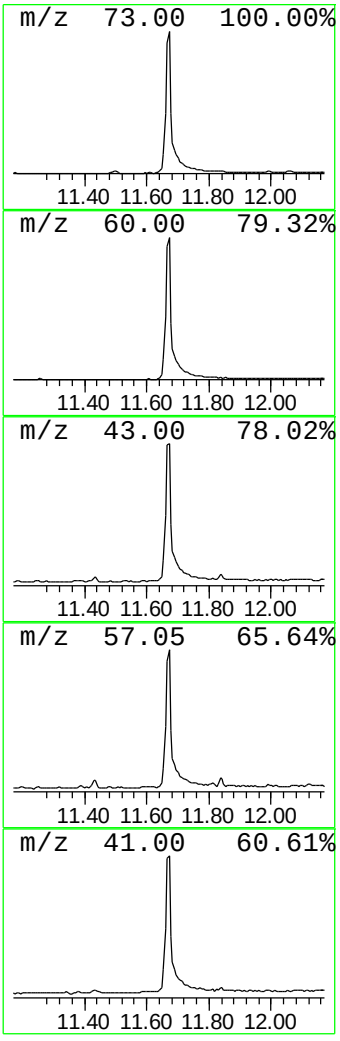
****

Peak Number 6 n-Hexadecanoic acid Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.67	24.91 ng	2235570	Phenanthrene-d10	11.11

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	99
2	Tetradecanoic acid	228	C14H28O2	000544-63-8	94
3	Pentadecanoic acid	242	C15H30O2	001002-84-2	90
4	Tridecanoic acid	214	C13H26O2	000638-53-9	83
5	Undecanoic acid	186	C11H22O2	000112-37-8	83





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF062419\
Data File : BF115150.D
Acq On : 24 Jun 2019 16:14
Operator : HP/JU
Sample : K3159-05
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : OR-02-061919-A

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF062119.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

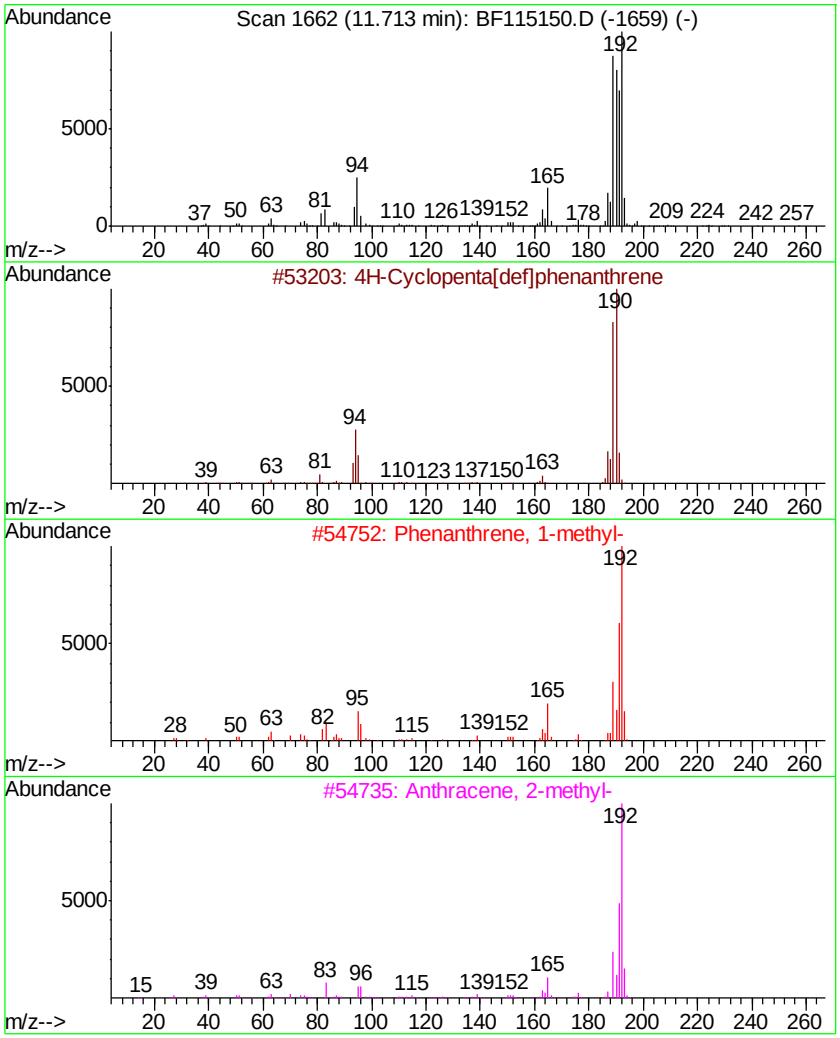
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

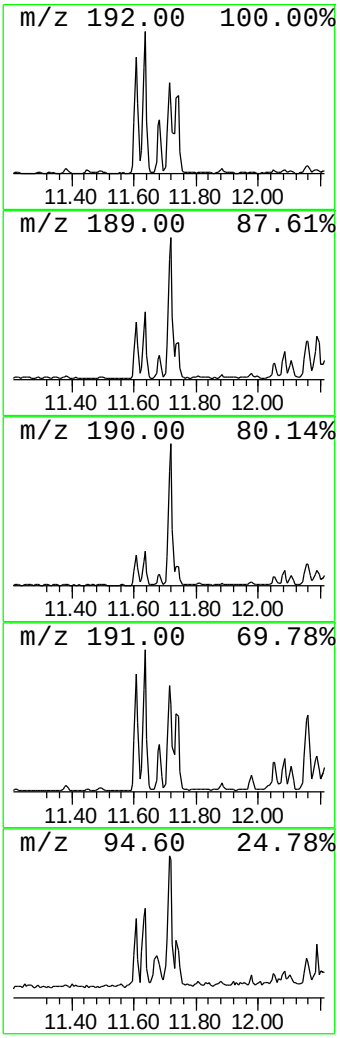
****

Peak Number 7 4H-Cyclopenta[def]phenanthrene Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.71	12.97 ng	1163880	Phenanthrene-d10	11.11

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	53
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	46
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	42
4	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	42
5	Naphtho[2,3-b]norbornadiene	192	C15H12	107426-38-0	42





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF062419\
Data File : BF115150.D
Acq On : 24 Jun 2019 16:14
Operator : HP/JU
Sample : K3159-05
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : OR-02-061919-A

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF062119.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

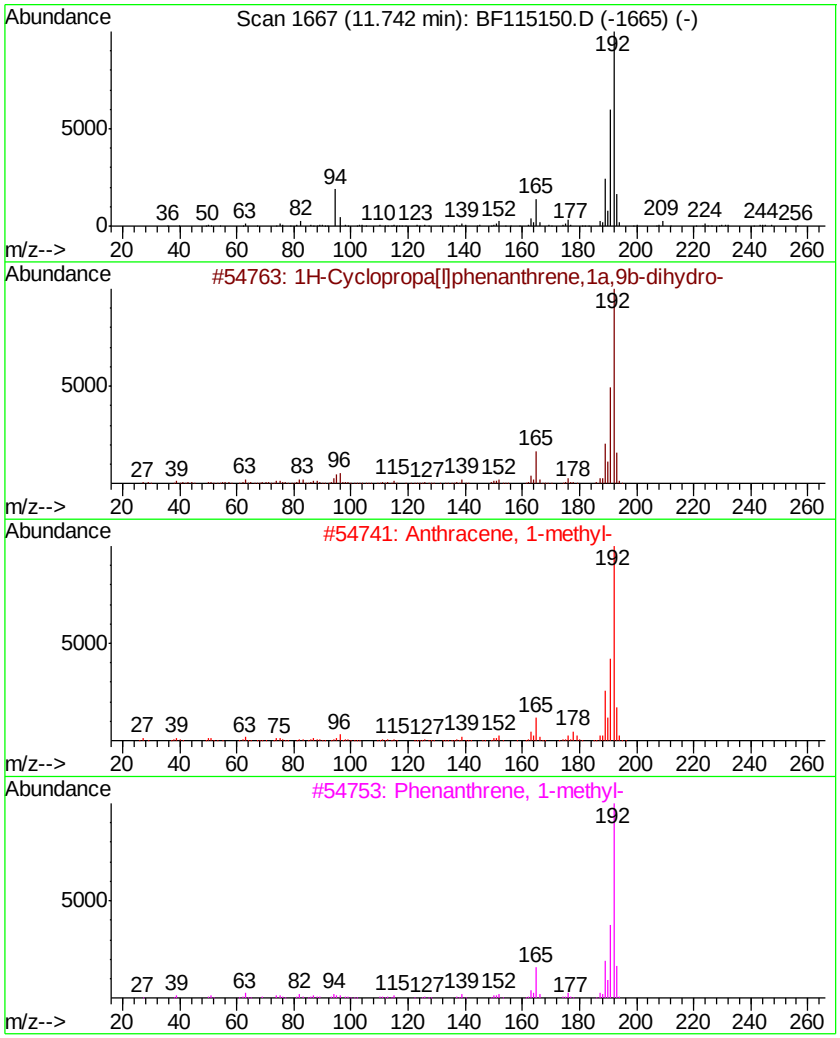
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

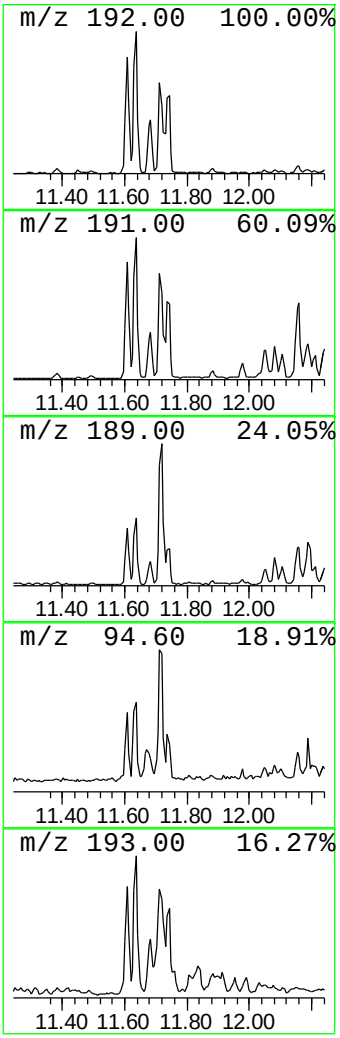
****

Peak Number 8 1H-Cyclopropa[l]phenanthren... Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.74	4.44 ng	398277	Phenanthrene-d10	11.11

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	95
2	Anthracene, 1-methyl-	192	C15H12	000610-48-0	95
3	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	93
4	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	93
5	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	89





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF062419\
Data File : BF115150.D
Acq On : 24 Jun 2019 16:14
Operator : HP/JU
Sample : K3159-05
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : OR-02-061919-A

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF062119.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

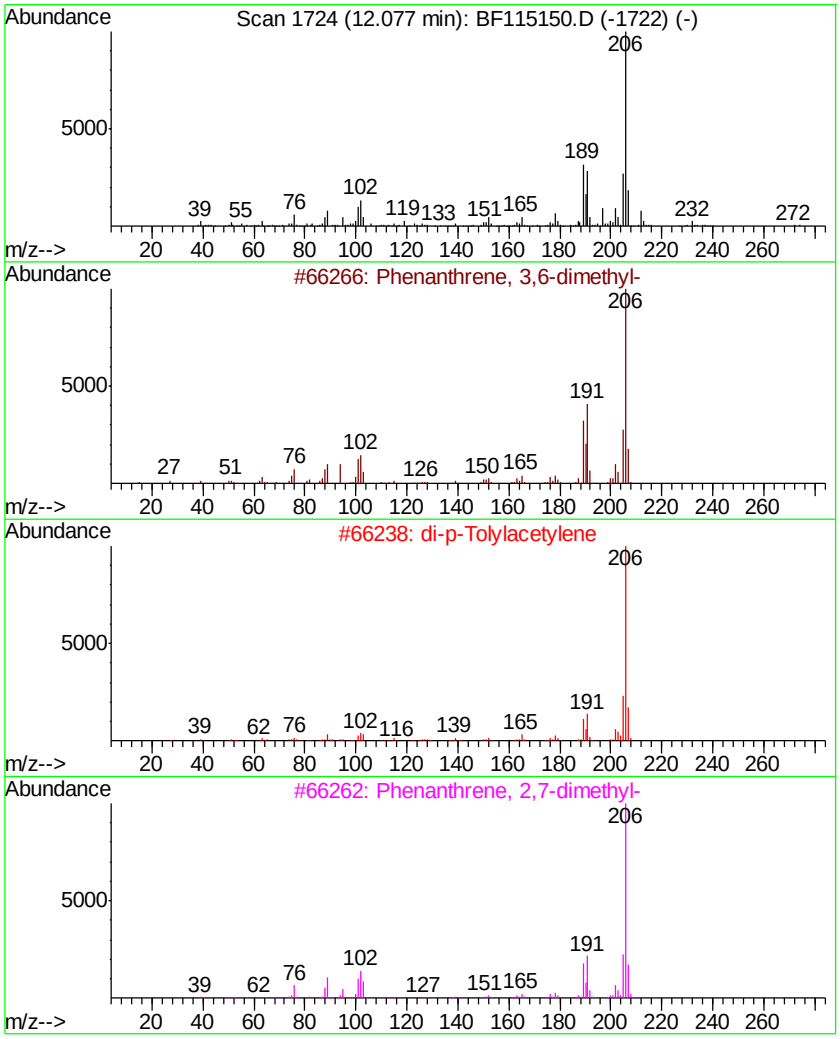
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

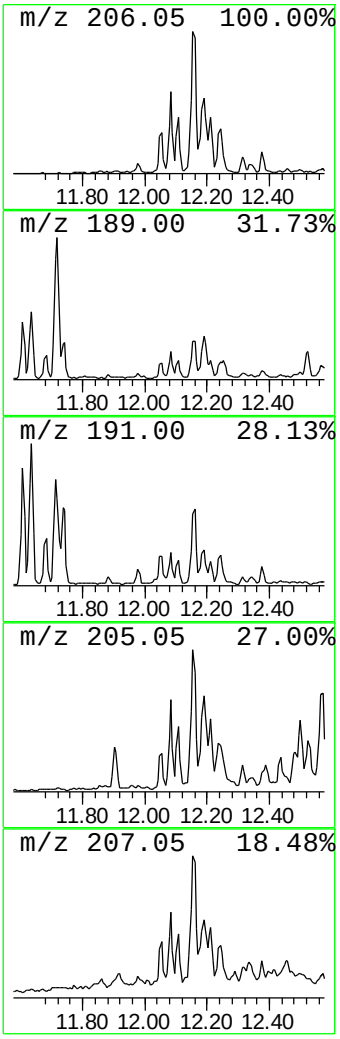
****

Peak Number 9 Phenanthrene, 3,6-dimethyl- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.08	3.61 ng	324140	Phenanthrene-d10	11.11

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	96
2	di-p-Tolylacetylene	206	C16H14	002789-88-0	93
3	Phenanthrene, 2,7-dimethyl-	206	C16H14	001576-69-8	93
4	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	91
5	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	81





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF062419\
Data File : BF115150.D
Acq On : 24 Jun 2019 16:14
Operator : HP/JU
Sample : K3159-05
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : OR-02-061919-A

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF062119.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

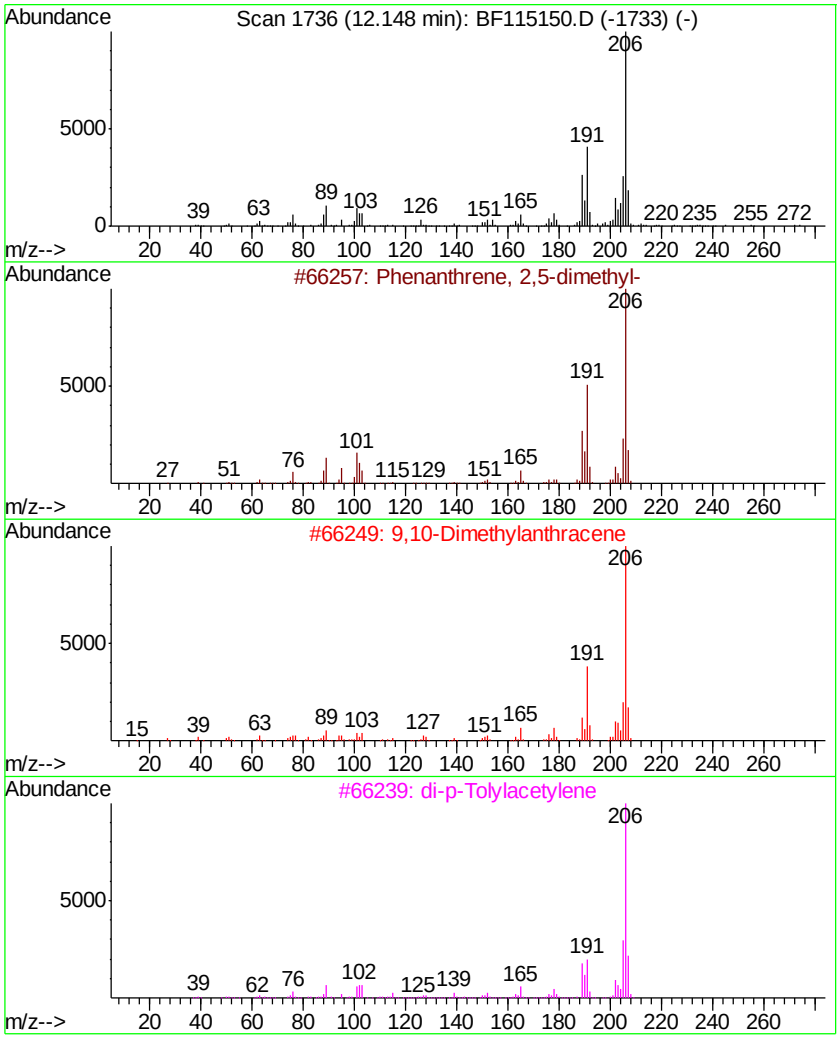
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

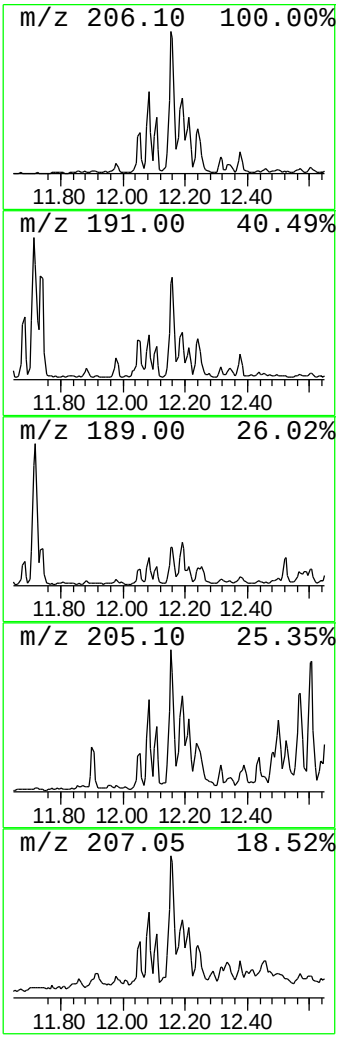
****

Peak Number 10 Phenanthrene, 2,5-dimethyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.15	8.08 ng	724807	Phenanthrene-d10	11.11

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	97
2	9,10-Dimethylanthracene	206	C16H14	000781-43-1	96
3	di-p-Tolylacetylene	206	C16H14	002789-88-0	96
4	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	93
5	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	93





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF062419\
Data File : BF115150.D
Acq On : 24 Jun 2019 16:14
Operator : HP/JU
Sample : K3159-05
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : OR-02-061919-A

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF062119.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

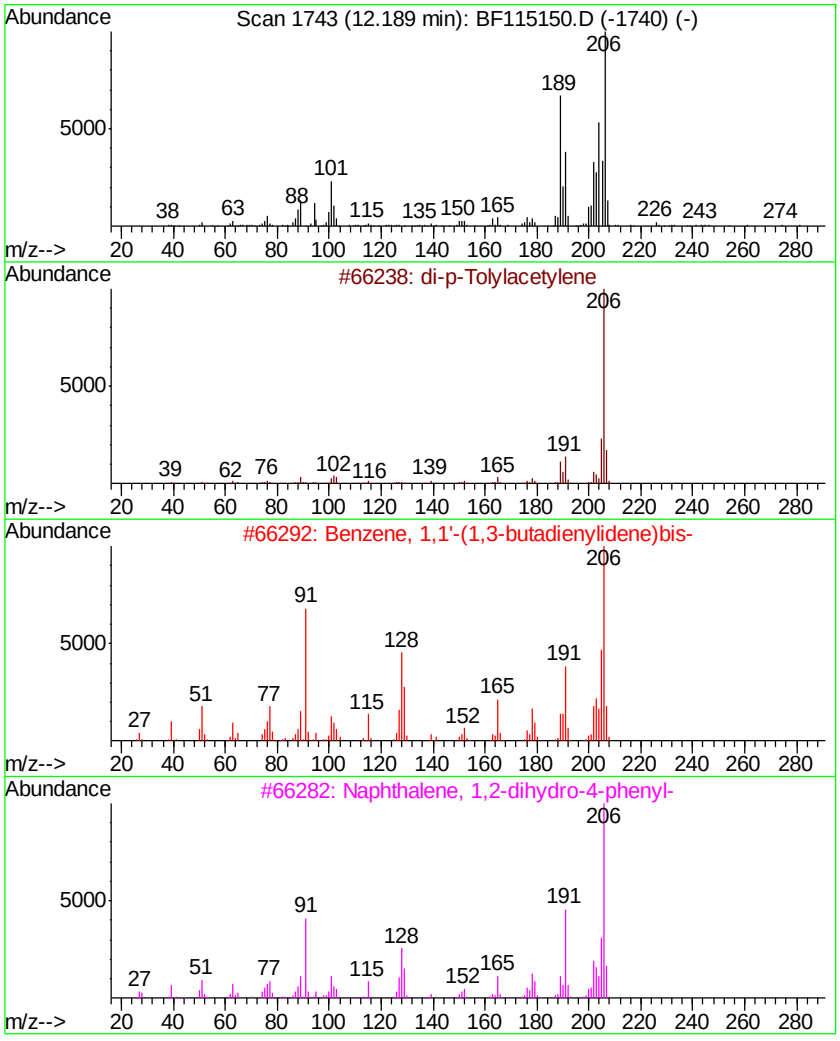
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

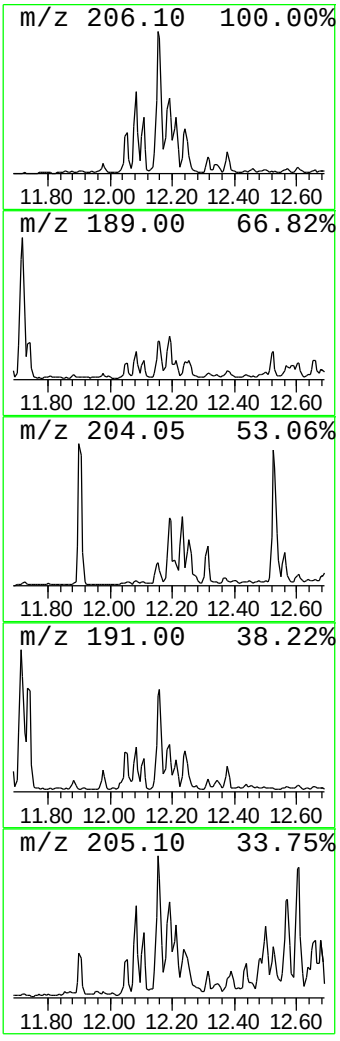
****

Peak Number 11 di-p-Tolylacetylene Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.19	5.18 ng	465103	Phenanthrene-d10	11.11

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	di-p-Tolylacetylene	206	C16H14	002789-88-0	52
2	Benzene, 1,1'-(1,3-butadienylide...	206	C16H14	004165-81-5	49
3	Naphthalene, 1,2-dihydro-4-phenyl-	206	C16H14	007469-40-1	46
4	Naphthalene, 1,2-dihydro-1-phenyl-	206	C16H14	016606-46-5	46
5	9,10-Dimethylanthracene	206	C16H14	000781-43-1	45





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF062419\
Data File : BF115150.D
Acq On : 24 Jun 2019 16:14
Operator : HP/JU
Sample : K3159-05
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : OR-02-061919-A

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF062119.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

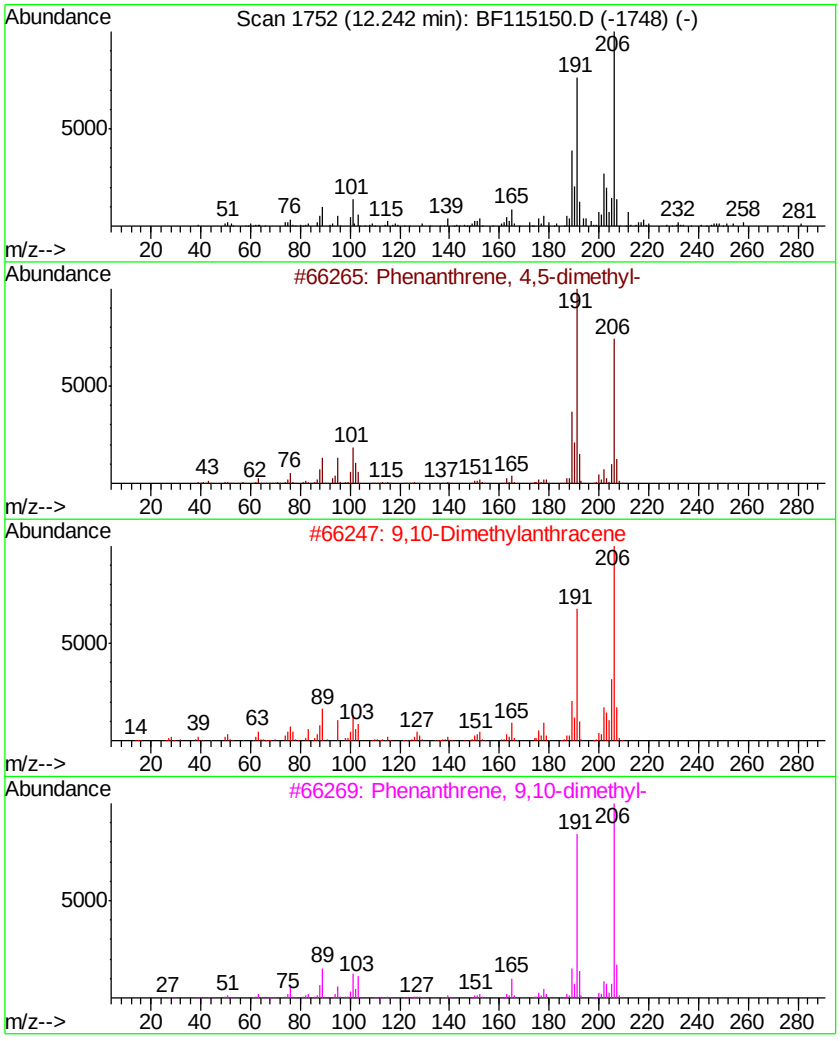
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

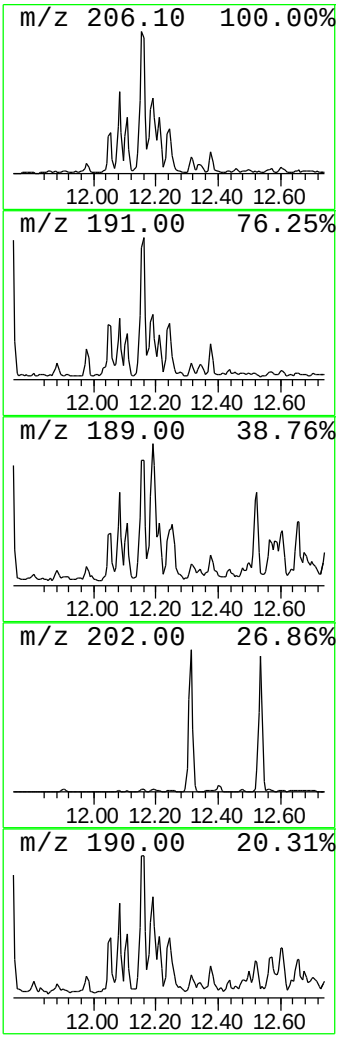
****

Peak Number 12 Phenanthrene, 4,5-dimethyl- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.24	3.97 ng	355838	Phenanthrene-d10	11.11

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 4,5-dimethyl-	206	C16H14	003674-69-9	91
2	9,10-Dimethylanthracene	206	C16H14	000781-43-1	78
3	Phenanthrene, 9,10-dimethyl-	206	C16H14	000604-83-1	70
4	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	64
5	Anthracene, 2-ethyl-	206	C16H14	052251-71-5	60





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF062419\
Data File : BF115150.D
Acq On : 24 Jun 2019 16:14
Operator : HP/JU
Sample : K3159-05
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : OR-02-061919-A

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF062119.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

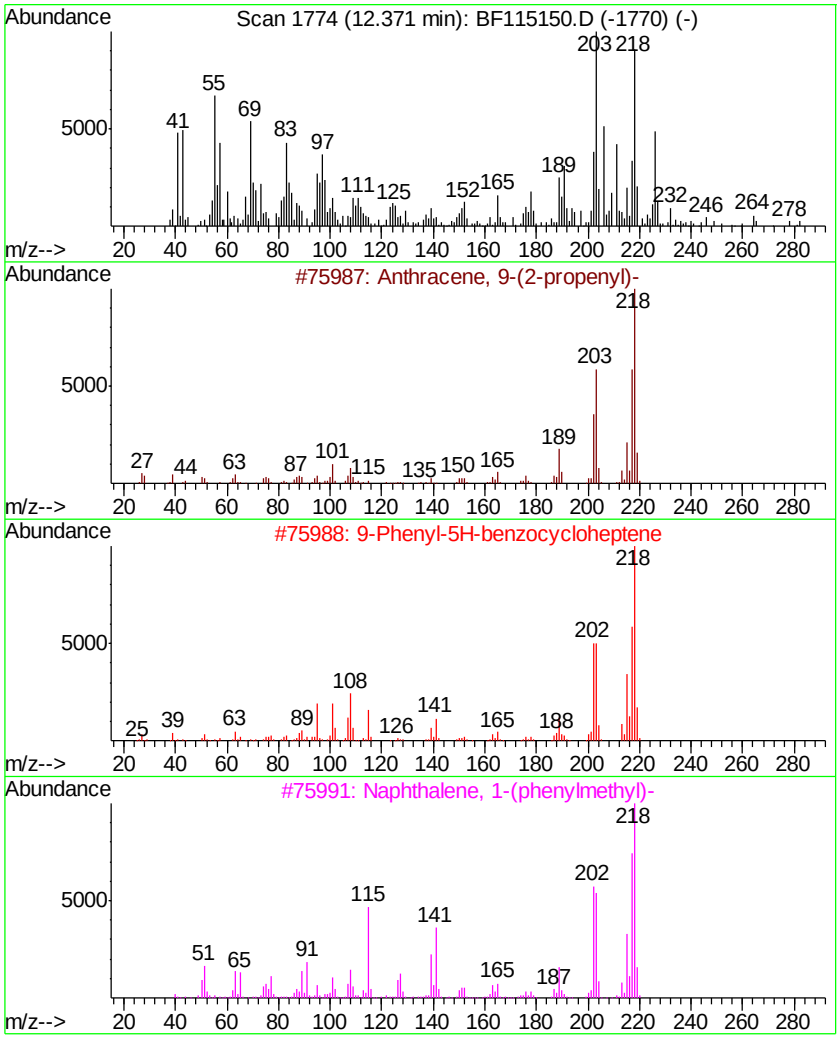
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

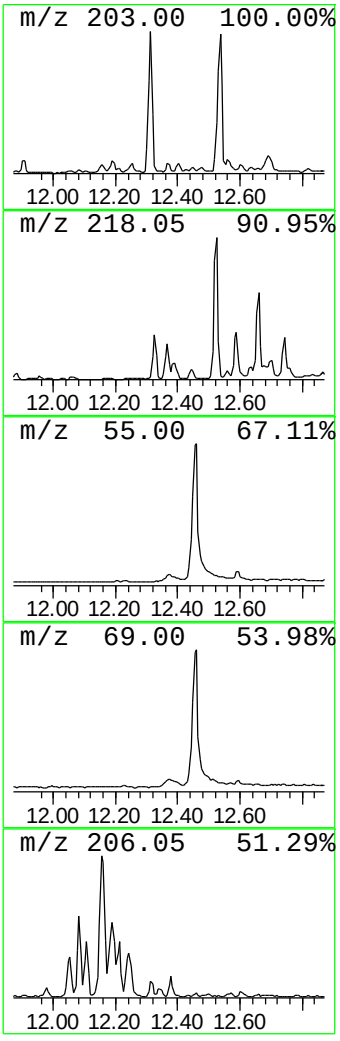
****

Peak Number 13 unknown12.37 Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.37	4.60 ng	412609	Phenanthrene-d10	11.11

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 9-(2-propenyl)-	218	C17H14	023707-65-5	43
2	9-Phenyl-5H-benzocycloheptene	218	C17H14	138089-71-1	38
3	Naphthalene, 1-(phenylmethyl)-	218	C17H14	000611-45-0	38
4	Benzenamine, 2-bromo-4-nitro-	216	C6H5BrN2O2	013296-94-1	27
5	Naphthalene, 2-(phenylmethyl)-	218	C17H14	000613-59-2	27





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF062419\
Data File : BF115150.D
Acq On : 24 Jun 2019 16:14
Operator : HP/JU
Sample : K3159-05
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : OR-02-061919-A

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF062119.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

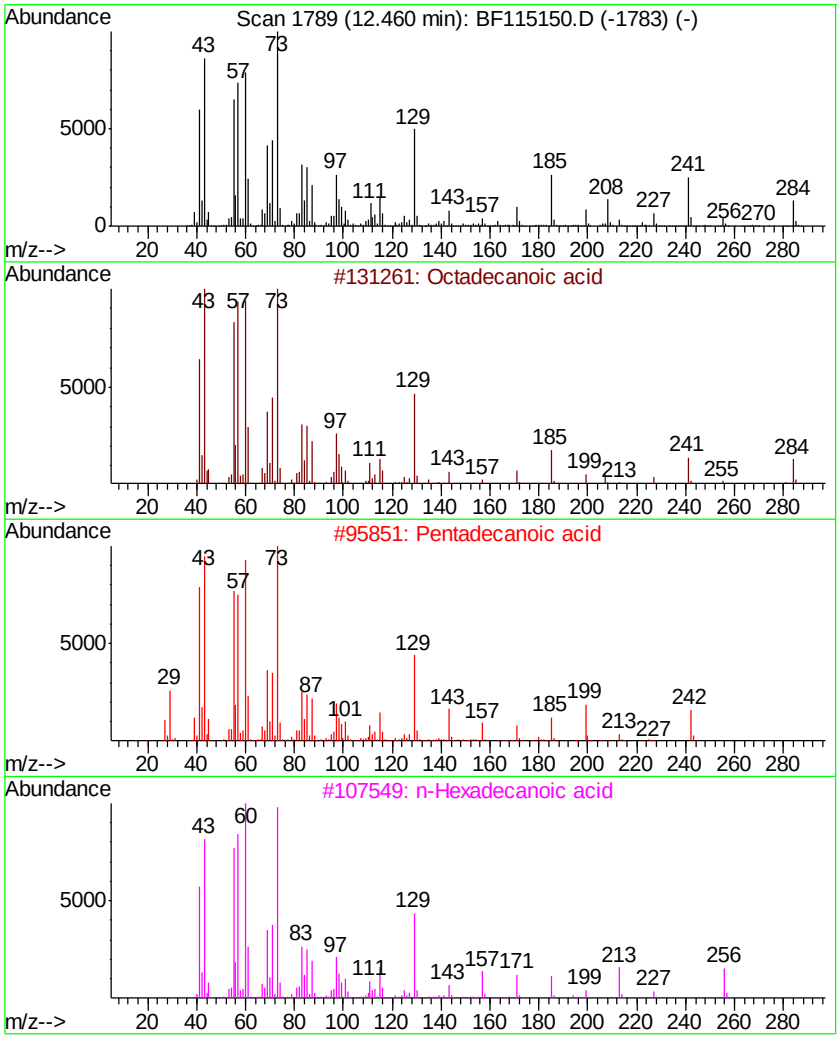
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

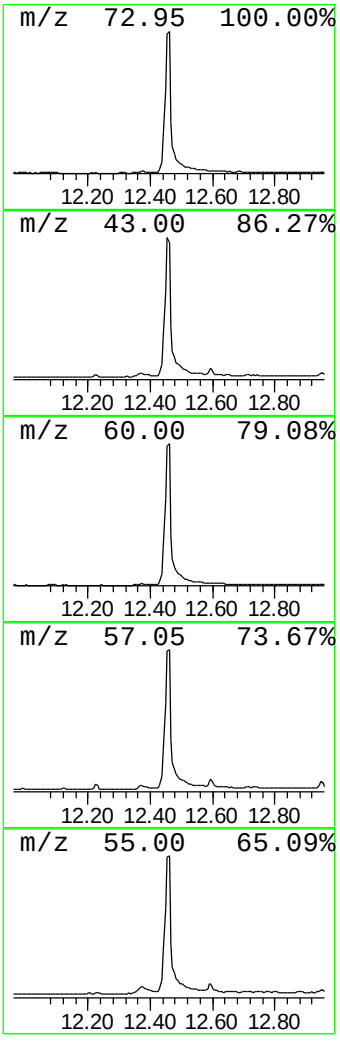
****

Peak Number 14 Octadecanoic acid Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.46	32.84 ng	5432110	Chrysene-d12	13.73

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octadecanoic acid	284	C18H36O2	000057-11-4	99
2	Pentadecanoic acid	242	C15H30O2	001002-84-2	90
3	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	76
4	Tetradecanoic acid	228	C14H28O2	000544-63-8	74
5	Octadecanoic acid, 2-(2-hydroxye...	372	C22H44O4	000106-11-6	64





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF062419\
Data File : BF115150.D
Acq On : 24 Jun 2019 16:14
Operator : HP/JU
Sample : K3159-05
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : OR-02-061919-A

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF062119.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

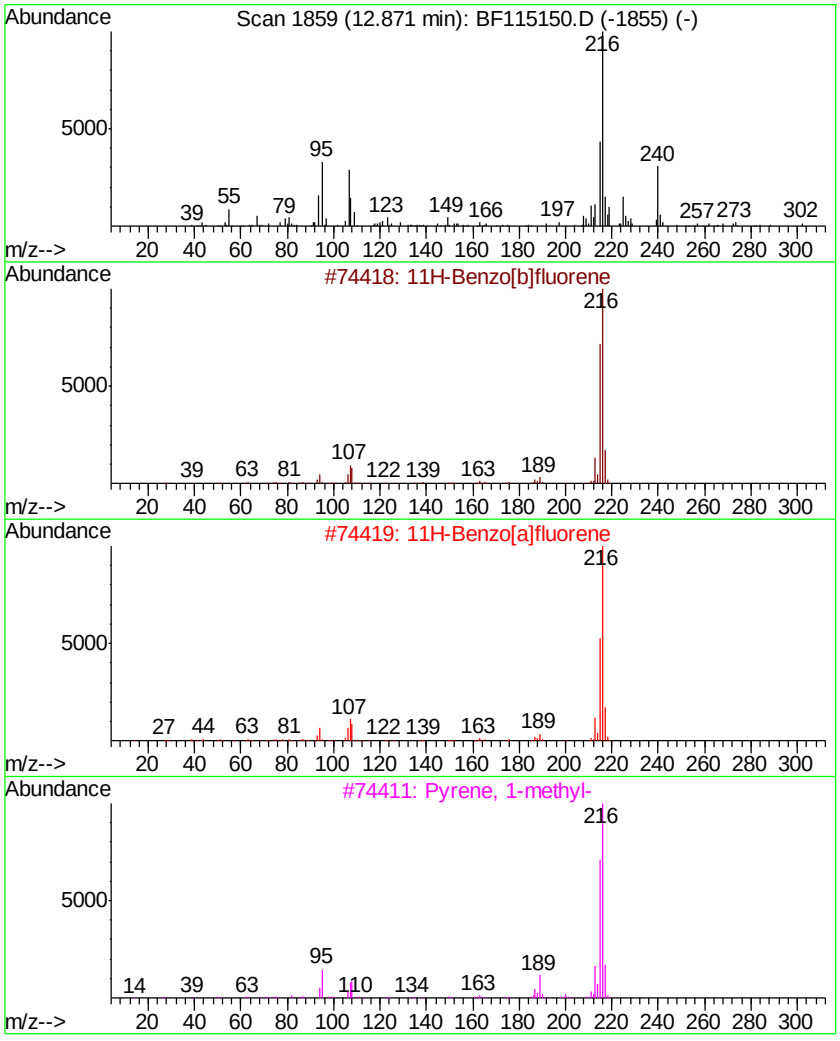
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

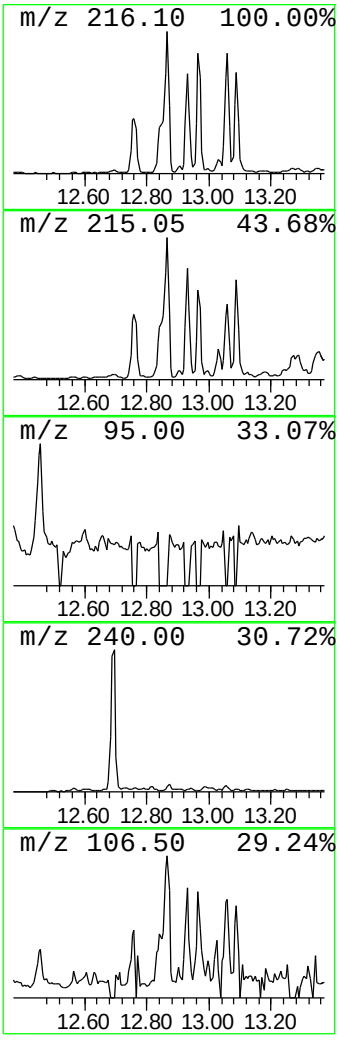
****

Peak Number 15 11H-Benzo[b]fluorene Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.87	3.55 ng	586632	Chrysene-d12	13.73

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	94
2	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	93
3	Pyrene, 1-methyl-	216	C17H12	002381-21-7	91
4	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	90
5	7H-Benzo[c]fluorene	216	C17H12	000205-12-9	72





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF062419\
Data File : BF115150.D
Acq On : 24 Jun 2019 16:14
Operator : HP/JU
Sample : K3159-05
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : OR-02-061919-A

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF062119.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

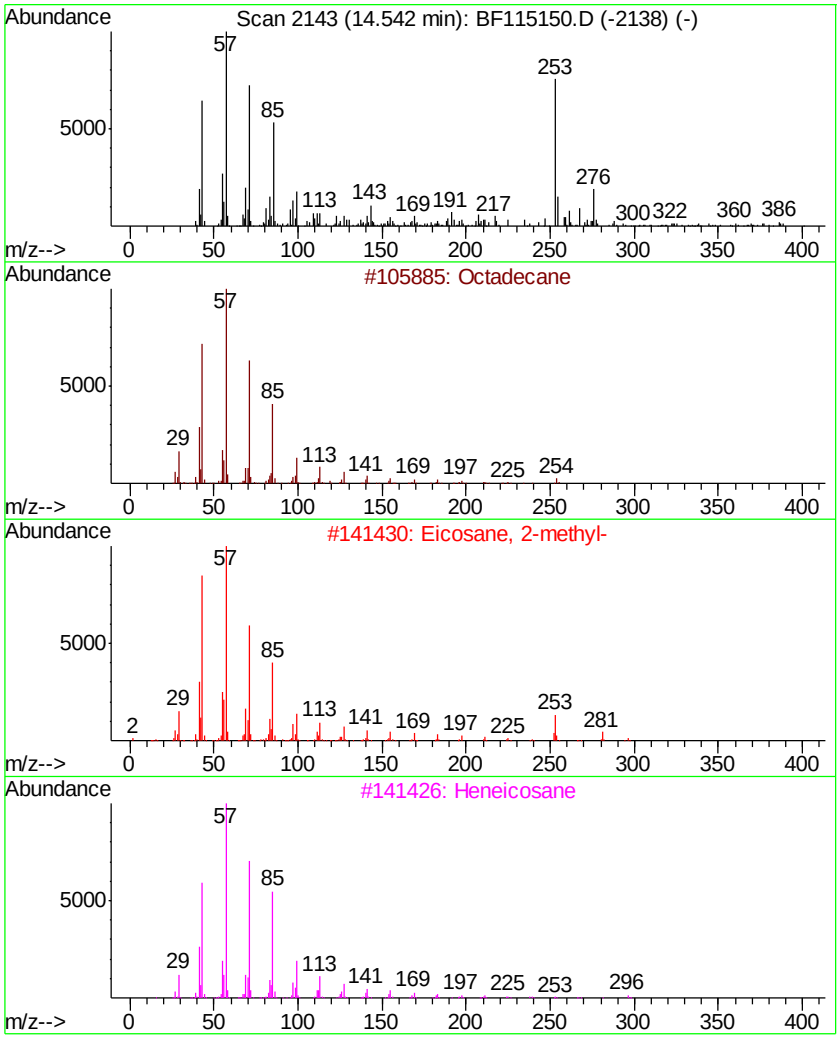
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

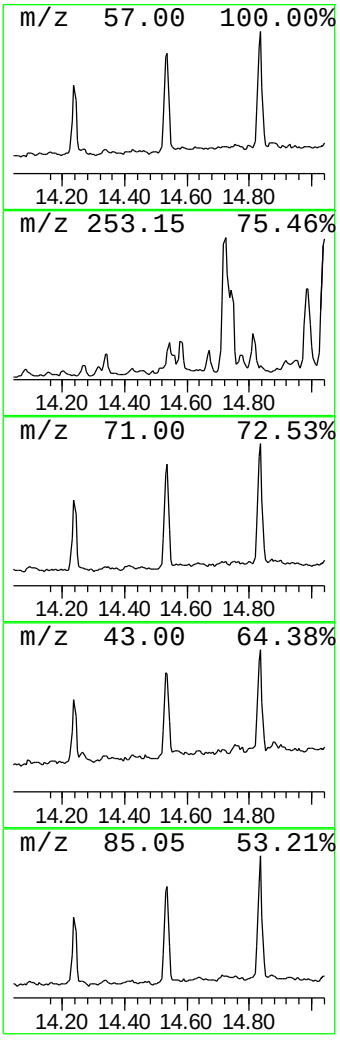
****

Peak Number 16 Octadecane Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.54	5.25 ng	462322	Perylene-d12	15.09

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octadecane	254	C18H38	000593-45-3	98
2	Eicosane, 2-methyl-	296	C21H44	001560-84-5	91
3	Heneicosane	296	C21H44	000629-94-7	81
4	2-methyloctacosane	408	C29H60	1000376-72-8	81
5	Hexacosane	366	C26H54	000630-01-3	81





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF062419\
Data File : BF115150.D
Acq On : 24 Jun 2019 16:14
Operator : HP/JU
Sample : K3159-05
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : OR-02-061919-A

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF062119.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

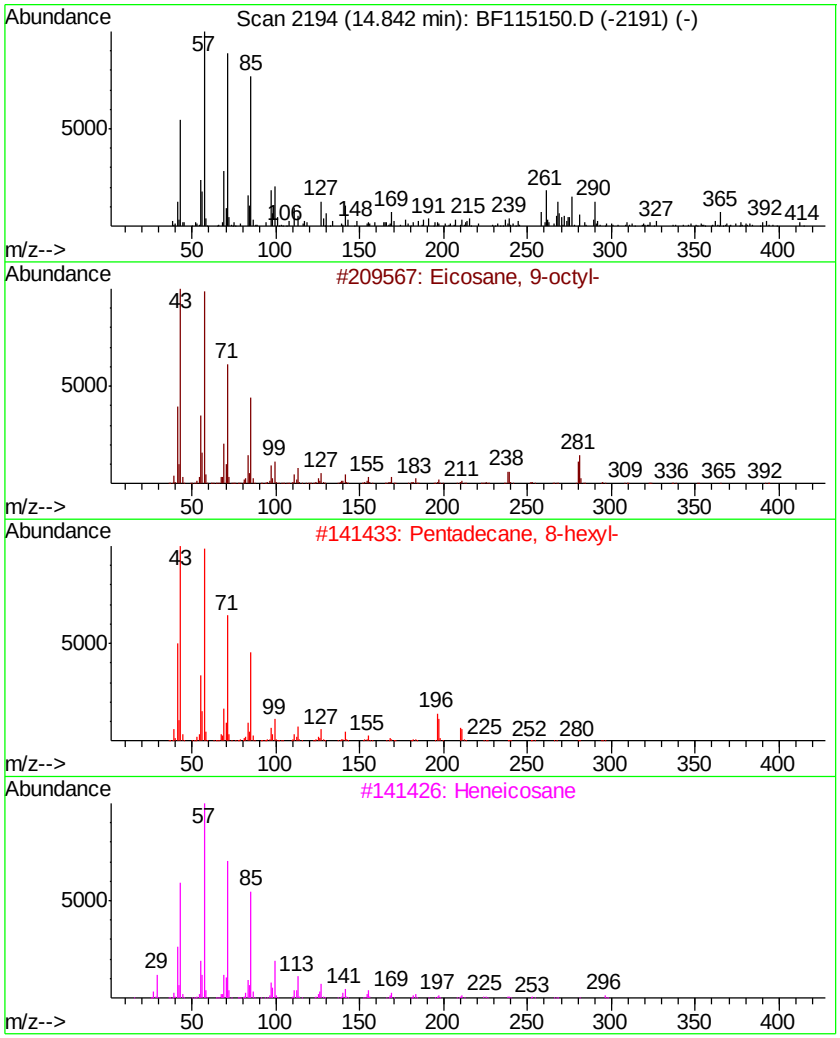
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

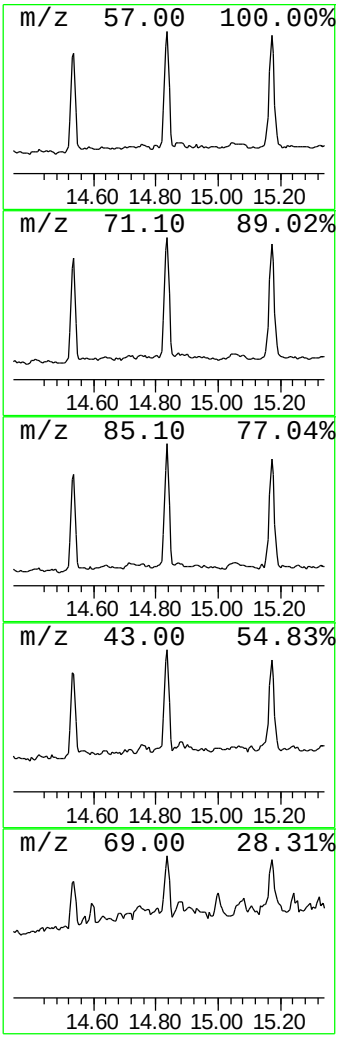
****

Peak Number 17 Eicosane, 9-octyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.84	4.41 ng	388511	Perylene-d12	15.09

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Eicosane, 9-octyl-	394	C28H58	013475-77-9	91
2	Pentadecane, 8-hexyl-	296	C21H44	013475-75-7	91
3	Heneicosane	296	C21H44	000629-94-7	90
4	Nonadecane	268	C19H40	000629-92-5	87
5	Hexacosane	366	C26H54	000630-01-3	87





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF062419\
Data File : BF115150.D
Acq On : 24 Jun 2019 16:14
Operator : HP/JU
Sample : K3159-05
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : OR-02-061919-A

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF062119.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

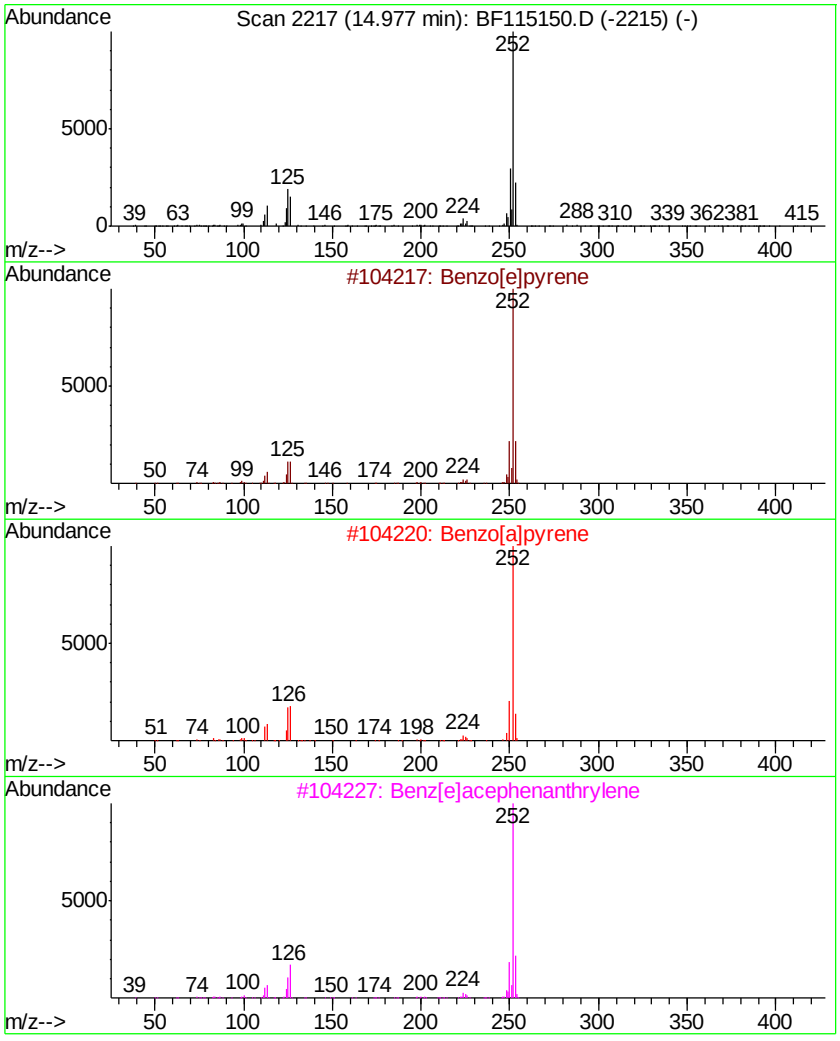
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

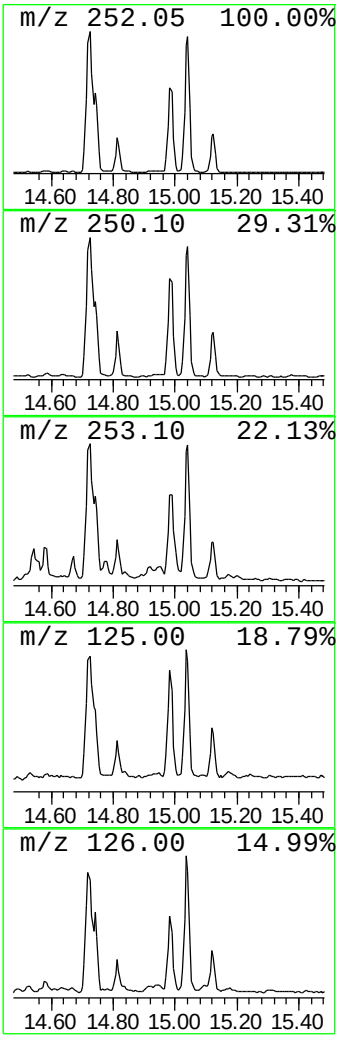
****

Peak Number 18 Benzo[e]pyrene Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.98	9.40 ng	827272	Perylene-d12	15.09

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	94
2	Benzo[a]pyrene	252	C20H12	000050-32-8	93
3	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	93
4	Perylene	252	C20H12	000198-55-0	90
5	Benzo[j]fluoranthene	252	C20H12	000205-82-3	90





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF062419\
Data File : BF115150.D
Acq On : 24 Jun 2019 16:14
Operator : HP/JU
Sample : K3159-05
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : OR-02-061919-A

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF062119.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

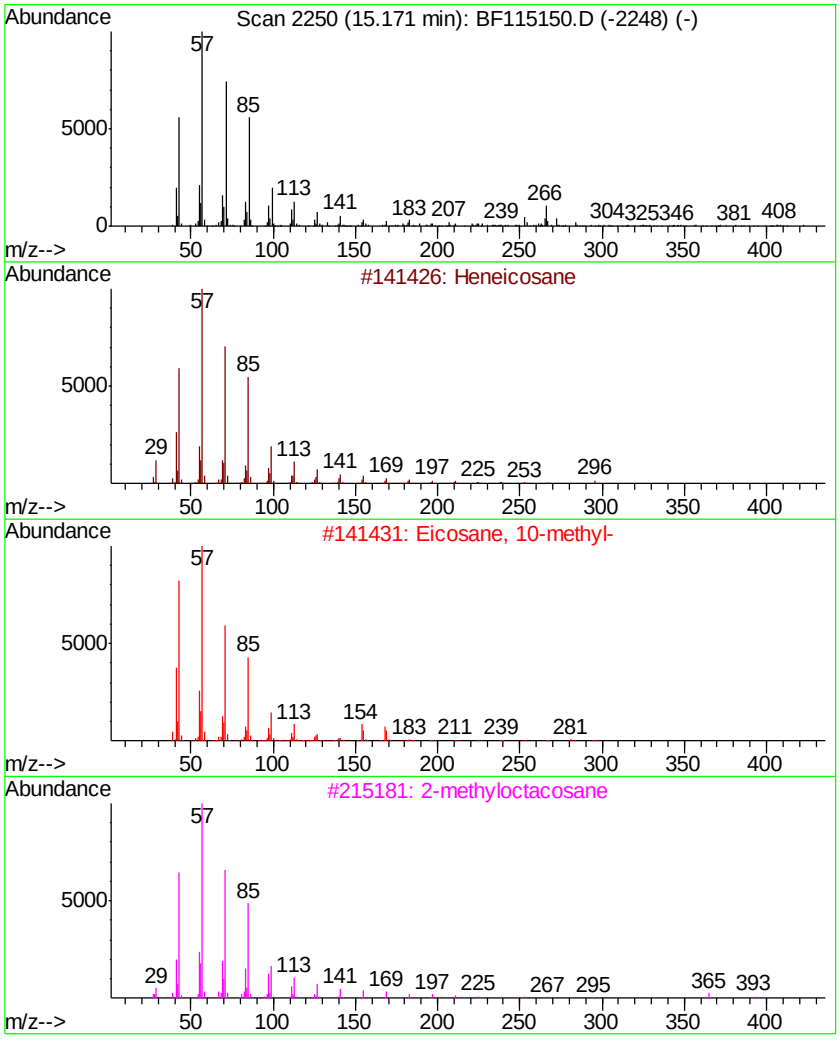
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

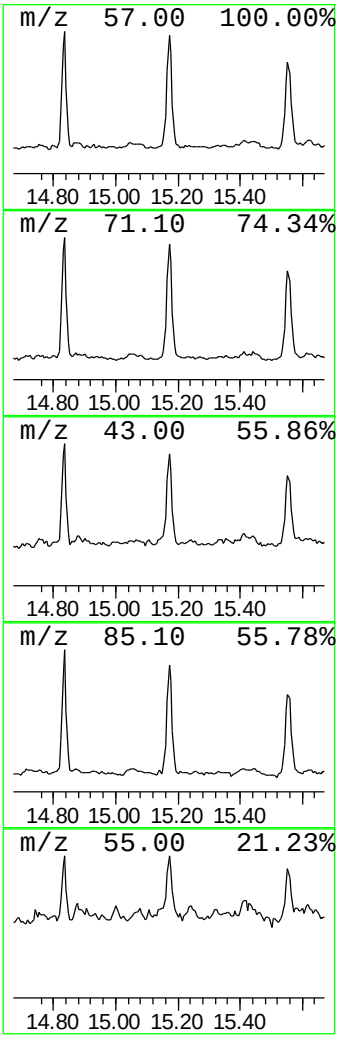
****

Peak Number 19 Heneicosane Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.17	7.38 ng	649903	Perylene-d12	15.09

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heneicosane	296	C21H44	000629-94-7	95
2	Eicosane, 10-methyl-	296	C21H44	054833-23-7	91
3	2-methyloctacosane	408	C29H60	1000376-72-8	87
4	Heptadecane	240	C17H36	000629-78-7	83
5	Tetracosane	338	C24H50	000646-31-1	83





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF062419\
Data File : BF115150.D
Acq On : 24 Jun 2019 16:14
Operator : HP/JU
Sample : K3159-05
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : OR-02-061919-A

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF062119.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

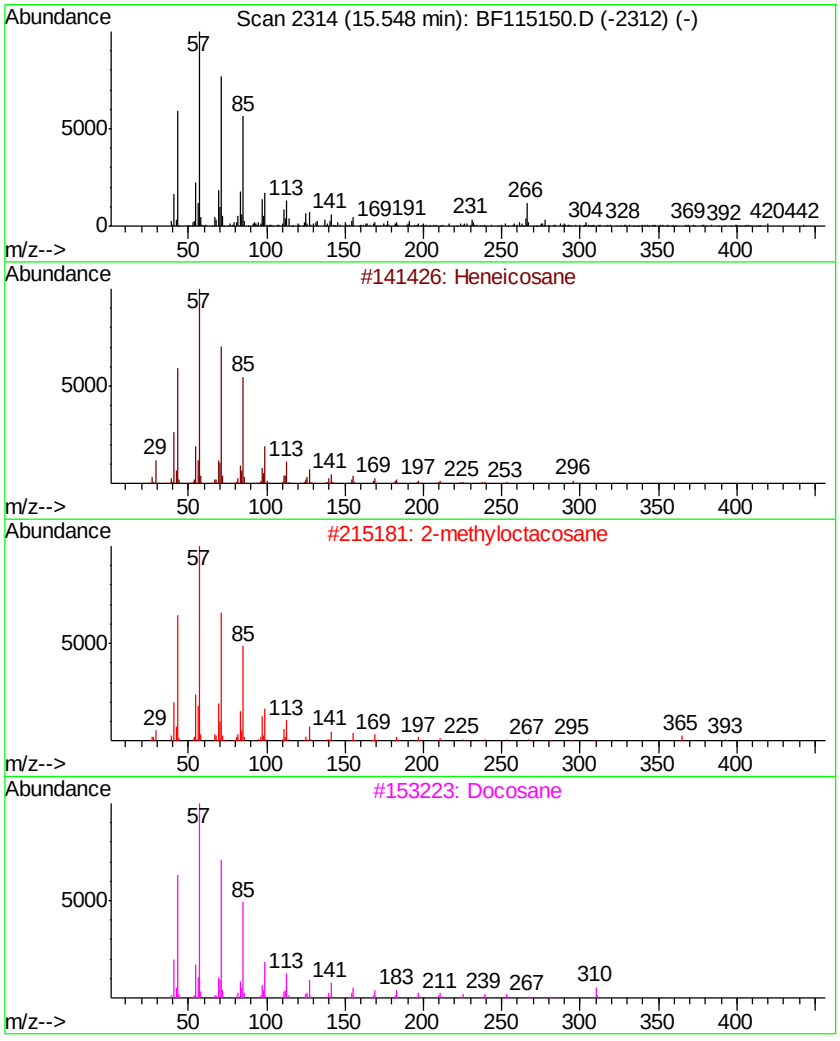
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

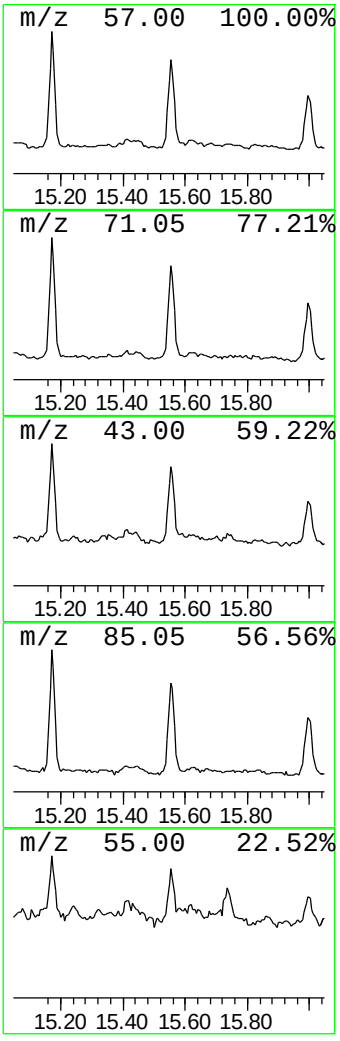
****

Peak Number 20 2-methyloctacosane Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.55	4.87 ng	428847	Perylene-d12	15.09

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heneicosane	296	C21H44	000629-94-7	87
2	2-methyloctacosane	408	C29H60	1000376-72-8	83
3	Docosane	310	C22H46	000629-97-0	83
4	Tetratetracontane	619	C44H90	007098-22-8	81
5	Triacontane	422	C30H62	000638-68-6	80





Tentatively Identified Compound (LSC) summary

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF062419\
Data File : BF115150.D
Acq On : 24 Jun 2019 16:14
Operator : HP/JU
Sample : K3159-05
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : OR-02-061919-A

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF062119.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
unknown6.38	6.38	62.7	ng	4306100	1	6.61	1373830	20.0
Anthracene, 2-met...	11.61	5.6	ng	500465	4	11.11	1794750	20.0
Phenanthrene, 2-m...	11.64	7.3	ng	656279	4	11.11	1794750	20.0
n-Hexadecanoic acid	11.67	24.9	ng	2235570	4	11.11	1794750	20.0
4H-Cyclopenta[def...	11.71	13.0	ng	1163880	4	11.11	1794750	20.0
1H-Cyclopropa[l]p...	11.74	4.4	ng	398277	4	11.11	1794750	20.0
Phenanthrene, 3,6...	12.08	3.6	ng	324140	4	11.11	1794750	20.0
Phenanthrene, 2,5...	12.15	8.1	ng	724807	4	11.11	1794750	20.0
di-p-Tolylacetylene	12.19	5.2	ng	465103	4	11.11	1794750	20.0
Phenanthrene, 4,5...	12.24	4.0	ng	355838	4	11.11	1794750	20.0
unknown12.37	12.37	4.6	ng	412609	4	11.11	1794750	20.0
Octadecanoic acid	12.46	32.8	ng	5432110	5	13.73	3308180	20.0
11H-Benzo[b]fluorene	12.87	3.5	ng	586632	5	13.73	3308180	20.0
Octadecane	14.54	5.3	ng	462322	6	15.09	1760640	20.0
Eicosane, 9-octyl-	14.84	4.4	ng	388511	6	15.09	1760640	20.0
Benzo[e]pyrene	14.98	9.4	ng	827272	6	15.09	1760640	20.0
Heneicosane	15.17	7.4	ng	649903	6	15.09	1760640	20.0
2-methyloctacosane	15.55	4.9	ng	428847	6	15.09	1760640	20.0