LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF041519\
Data File : BF113779.D
Acq On : 15 Apr 2019 22:57
Operator : JU/SJ
Sample : K2397-07
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TP-1-D

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-BF040319.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	5.287	541	544	572	rBV	1754204	2343975	89.73%	5.406%
2	6.328	717	721	737	rBV	2062155	2465080	94.37%	5.686%
3	6.446	737	741	751	rVB	2550877	2458860	94.13%	5.671%
4	6.669	776	779	790	rBV	720945	634428	24.29%	1.463%
5	6.745	790	792	796	rVB	53525	45784	1.75%	0.106%
6	6.828	802	806	825	rBV	2062175	1941872	74.34%	4.479%
7	7.240	872	876	897	rBV	1378379	1570417	60.12%	3.622%
8	7.692	950	953	960	rVB	34891	31789	1.22%	0.073%
9	7.951	994	997	1000	rBV	797803	746640	28.58%	1.722%
10	9.028	1176	1180	1189	rBV	2983076	2612237	100.00%	6.025%
11	9.428	1245	1248	1255	rVB	218622	212410	8.13%	0.490%
12	9.569	1269	1272	1276	rBV	40410	39790	1.52%	0.092%
13	9.704	1291	1295	1299	rBV	896592	836482	32.02%	1.929%
14	9.734	1299	1300	1307	rVB2	46109	36984	1.42%	0.085%
15	9.916	1326	1331	1335	rBV2	38205	48844	1.87%	0.113%
16	10.257	1385	1389	1394	rVB3	27226	35673	1.37%	0.082%
17	10.492	1426	1429	1441	rBV	1312467	1475420	56.48%	3.403%
18	10.610	1446	1449	1457	rVB3	79834	101339	3.88%	0.234%
19	10.881	1490	1495	1497	rBV6	20421	29124	1.11%	0.067%
20	11.004	1513	1516	1519	rBV	38001	35682	1.37%	0.082%
21	11.086	1527	1530	1533	rVB	49373	44591	1.71%	0.103%
22	11.186	1543	1547	1549	rBV	863896	778313	29.79%	1.795%
23	11.210	1549	1551	1555	rVV	664290	560134	21.44%	1.292%
24	11.263	1558	1560	1564	rVB	131822	122563	4.69%	0.283%
25	11.433	1586	1589	1594	rBV2	44571	52263	2.00%	0.121%
26	11.480	1594	1597	1599	rBV	54838	42701	1.63%	0.098%
27	11.686	1629	1632	1635	rBV	121262	103192	3.95%	0.238%
28	11.727	1635	1639	1643	rVV2	474338	592131	22.67%	1.366%
29	11.769	1643	1646	1648	rVV	87458	110230	4.22%	0.254%
30	11.798	1648	1651	1653	rVV	204720	217154	8.31%	0.501%
31	11.822	1653	1655	1659	rVB	110862	101879	3.90%	0.235%
32	11.886	1664	1666	1668	rBV	55877	42641	1.63%	0.098%
33	11.980	1680	1682	1687	rBV	95946	94139	3.60%	0.217%
34	12.027	1687	1690	1693	rVB2	40458	43883	1.68%	0.101%

LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF041519\
Data File : BF113779.D
Acq On : 15 Apr 2019 22:57
Operator : JU/SJ
Sample : K2397-07
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TP-1-D

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-BF040319.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	12.127	1705	1707	1711	rVB2	50017	41301	1.58%	0.095%
36	12.163	1711	1713	1715	rBV	47091	35813	1.37%	0.083%
37	12.239	1723	1726	1728	rBV	149597	158655	6.07%	0.366%
38	12.275	1729	1732	1734	rVV	146244	134629	5.15%	0.311%
39	12.333	1738	1742	1749	rBV3	87419	144906	5.55%	0.334%
40	12.398	1749	1753	1756	rBV	1657273	1456148	55.74%	3.359%
41	12.427	1756	1758	1762	rVV3	71750	97181	3.72%	0.224%
42	12.504	1769	1771	1776	rBV3	165766	199725	7.65%	0.461%
43	12.551	1776	1779	1782	rVV2	92879	98450	3.77%	0.227%
44	12.627	1786	1792	1795	rVV	1652679	1788207	68.46%	4.124%
45	12.680	1799	1801	1806	rVB2	105491	127973	4.90%	0.295%
46	12.769	1811	1816	1819	rBV	1949785	1843381	70.57%	4.252%
47	12.845	1825	1829	1833	rBV2	158698	255215	9.77%	0.589%
48	12.904	1837	1839	1841	rVB	74932	52235	2.00%	0.120%
49	12.939	1841	1845	1846	rBV3	156010	200703	7.68%	0.463%
50	12.957	1846	1848	1853	rVB	252906	214714	8.22%	0.495%
51	12.998	1853	1855	1857	rBV2	117065	111529	4.27%	0.257%
52	13.022	1857	1859	1861	rVV2	142357	115091	4.41%	0.265%
53	13.057	1862	1865	1872	rVV2	211773	299730	11.47%	0.691%
54	13.151	1879	1881	1884	rBV	142497	143620	5.50%	0.331%
55	13.180	1884	1886	1890	rVB3	122899	133645	5.12%	0.308%
56	13.474	1933	1936	1939	rBV	222959	196280	7.51%	0.453%
57	13.580	1951	1954	1955	rBV2	201714	191533	7.33%	0.442%
58	13.627	1959	1962	1964	rBV	276097	297398	11.38%	0.686%
59	13.821	1991	1995	1998	rBV2	1474484	2189017	83.80%	5.049%
60	13.857	1998	2001	2004	rVB	1361156	1284451	49.17%	2.963%
61	13.933	2012	2014	2017	rVB	246872	205248	7.86%	0.473%
62	13.986	2021	2023	2028	rVV4	137112	177586	6.80%	0.410%
63	14.174	2053	2055	2057	rBV	117836	104737	4.01%	0.242%
64	14.216	2059	2062	2065	rVV	457480	428423	16.40%	0.988%
65	14.245	2065	2067	2070	rVB	177394	161403	6.18%	0.372%
66	14.286	2072	2074	2077	rVV	210489	200026	7.66%	0.461%
67	14.698	2141	2144	2148	rBV	260009	296306	11.34%	0.683%
68	14.851	2165	2170	2172	rBV	1539694	2179010	83.42%	5.026%
69	14.945	2183	2186	2190	rBV	396949	427817	16.38%	0.987%
70	15.127	2213	2217	2221	rVV	1007499	1137378	43.54%	2.623%
71	15.192	2223	2228	2232	rVV	1350020	1611881	61.71%	3.718%

LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF041519\
Data File : BF113779.D
Acq On : 15 Apr 2019 22:57
Operator : JU/SJ
Sample : K2397-07
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TP-1-D

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-BF040319.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

72	15.245	2233	2237	2239	rVV	584800	714969	27.37%	1.649%
73	15.268	2239	2241	2248	rVB2	424544	586832	22.46%	1.354%
74	16.615	2464	2470	2476	rVB2	673830	1235690	47.30%	2.850%
75	16.762	2491	2495	2500	rVB	140443	222911	8.53%	0.514%
76	17.021	2534	2539	2548	rVB	478317	947199	36.26%	2.185%
77	18.939	2860	2865	2870	rVB4	137972	298258	11.42%	0.688%

Sum of corrected areas: 43355848

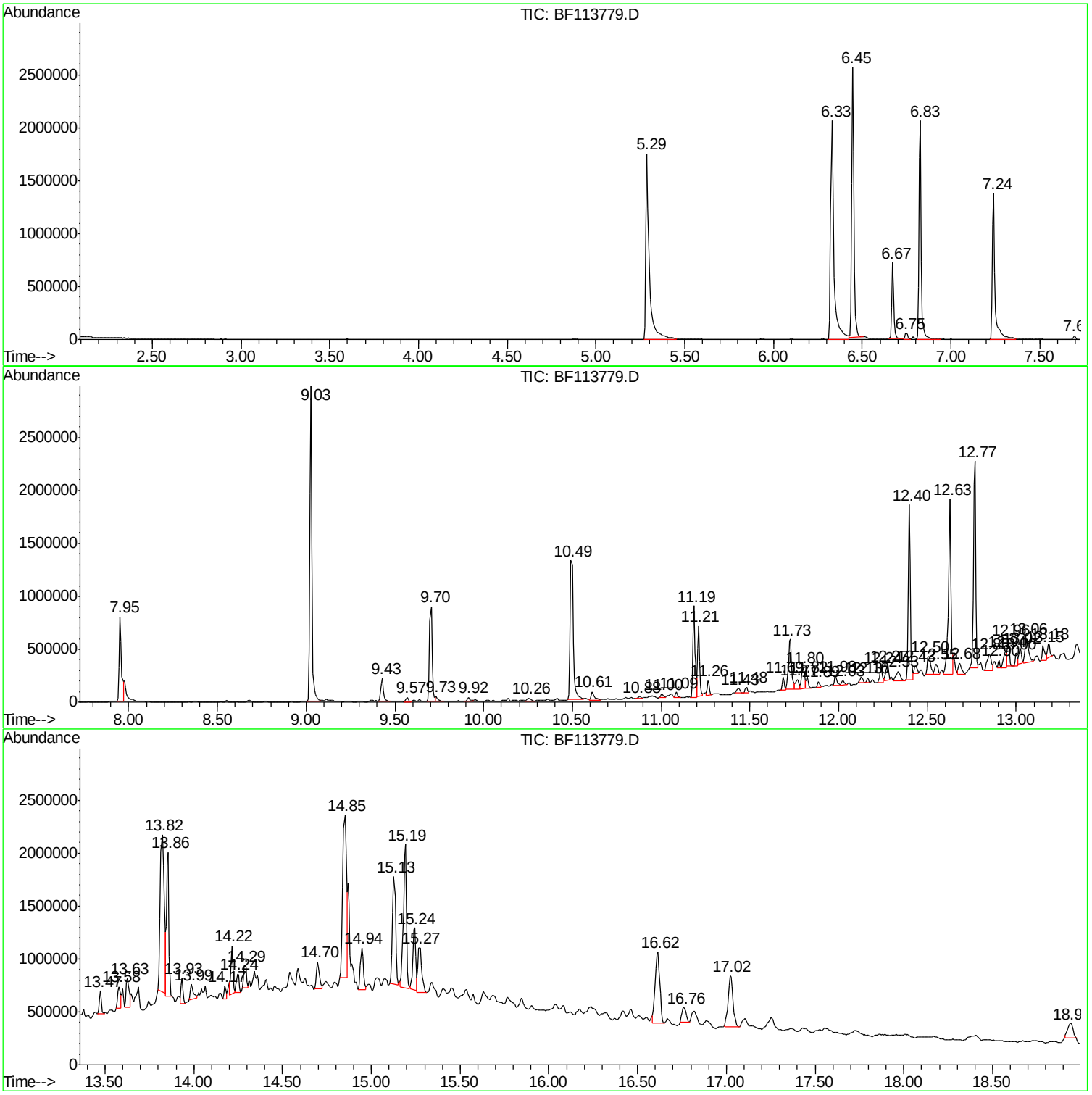
LSC Report - Integrated Chromatogram

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF041519\
Data File : BF113779.D
Acq On : 15 Apr 2019 22:57
Operator : JU/SJ
Sample : K2397-07
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-1-D

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF040319.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\BF041519\
Data File : BF113779.D
Acq On : 15 Apr 2019 22:57
Operator : JU/SJ
Sample : K2397-07
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TP-1-D

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF040319.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

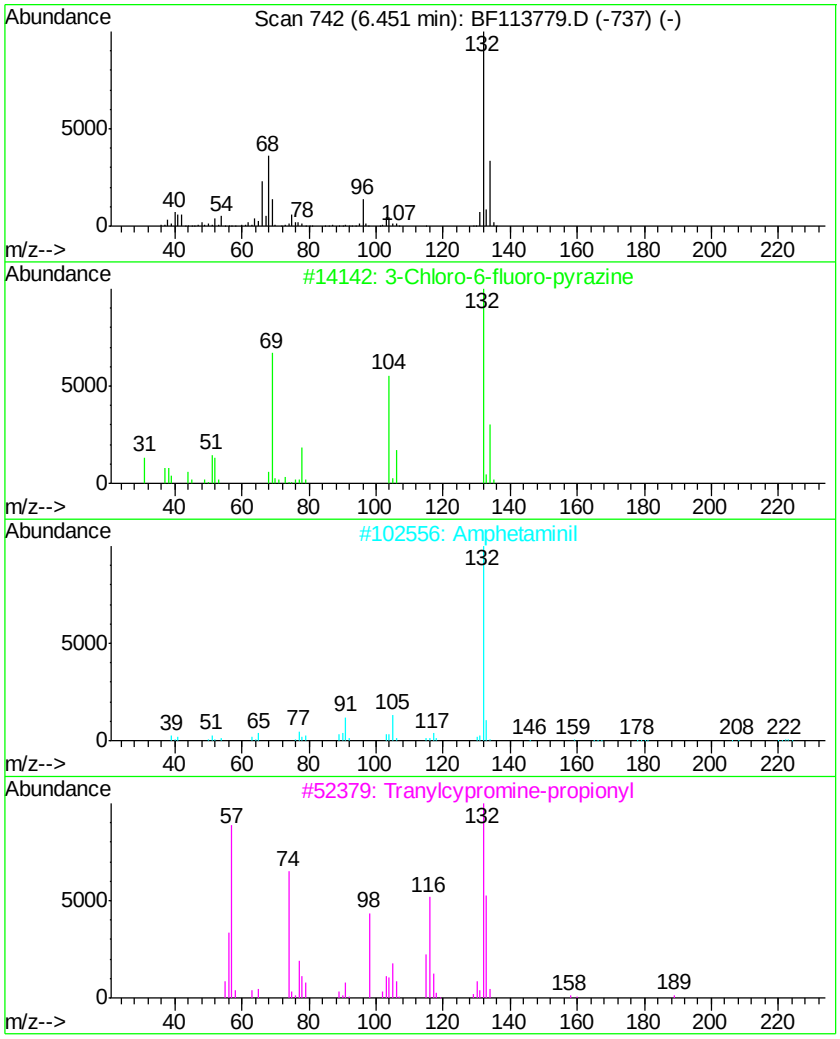
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

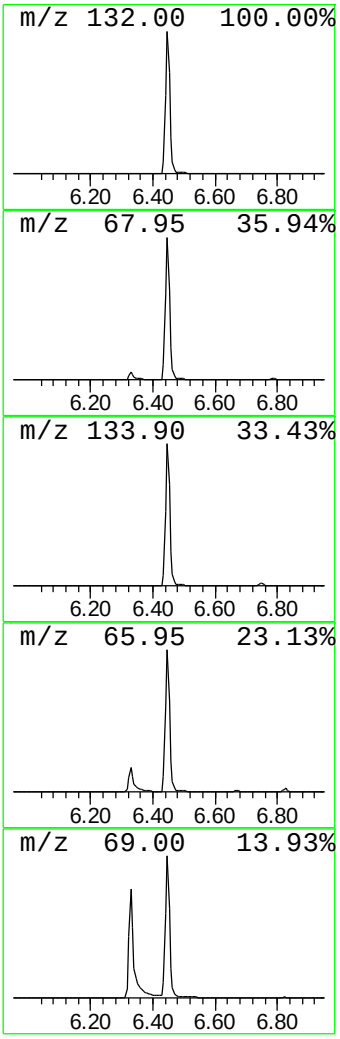
****

Peak Number 1 unknown6.45 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.45	77.51 ng	2458860	1,4-Dichlorobenzene-d4	6.67

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	27
2	Amphetaminil	250	C17H18N2	017590-01-1	12
3	Tranylcypromine-propionyl	189	C12H15NO	1000123-86-3	12
4	5-Aminoindole	132	C8H8N2	005192-03-0	12
5	(E)-3-Chloro-2-methyl-2-pentenal	132	C6H9ClO	031357-76-3	12





Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF041519\
Data File : BF113779.D
Acq On : 15 Apr 2019 22:57
Operator : JU/SJ
Sample : K2397-07
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TP-1-D

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF040319.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

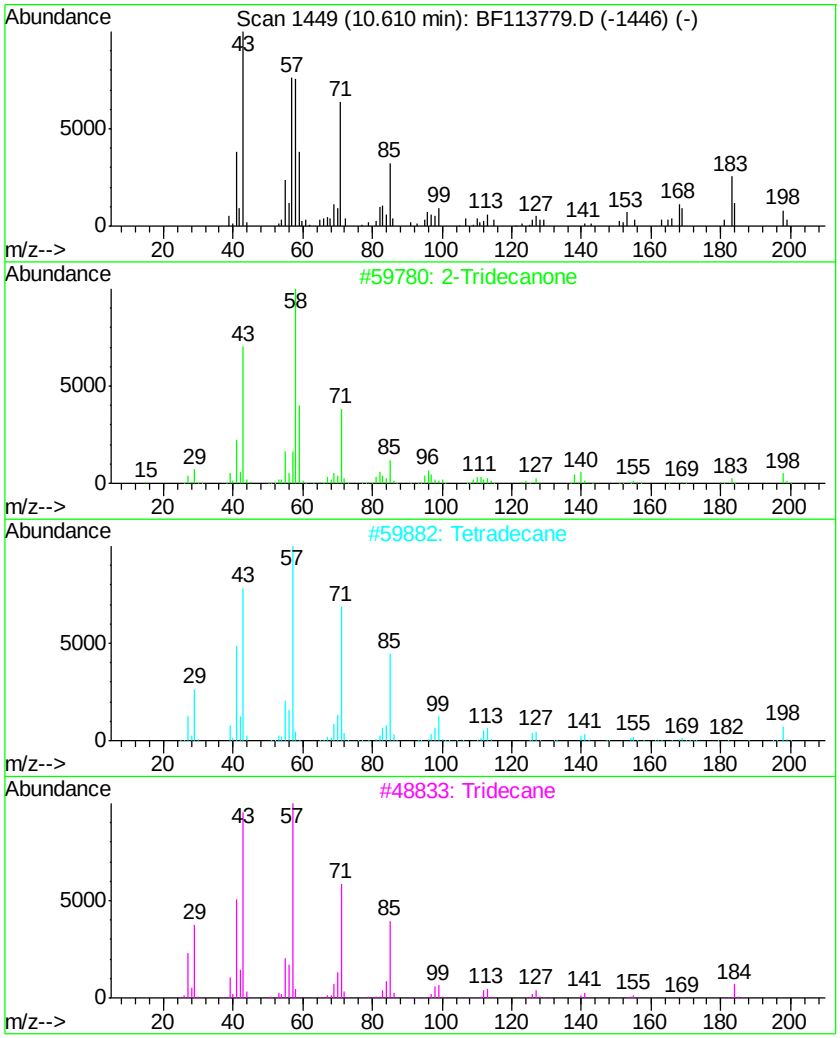
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

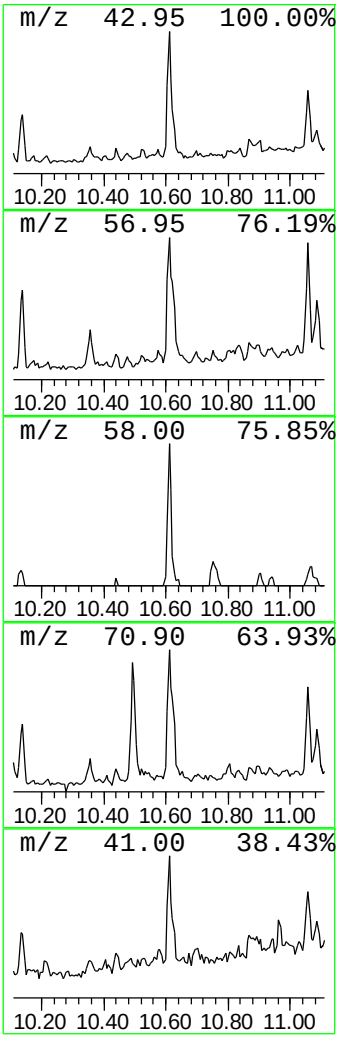
****

Peak Number 3 2-Tridecanone Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.61	2.60 ng	101339	Phenanthrene-d10	11.19

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Tridecanone	198	C13H26O	000593-08-8	52
2	Tetradecane	198	C14H30	000629-59-4	50
3	Tridecane	184	C13H28	000629-50-5	25
4	Nonadecane	268	C19H40	000629-92-5	25
5	Dodecane, 3-methyl-	184	C13H28	017312-57-1	25





Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF041519\
Data File : BF113779.D
Acq On : 15 Apr 2019 22:57
Operator : JU/SJ
Sample : K2397-07
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TP-1-D

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF040319.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

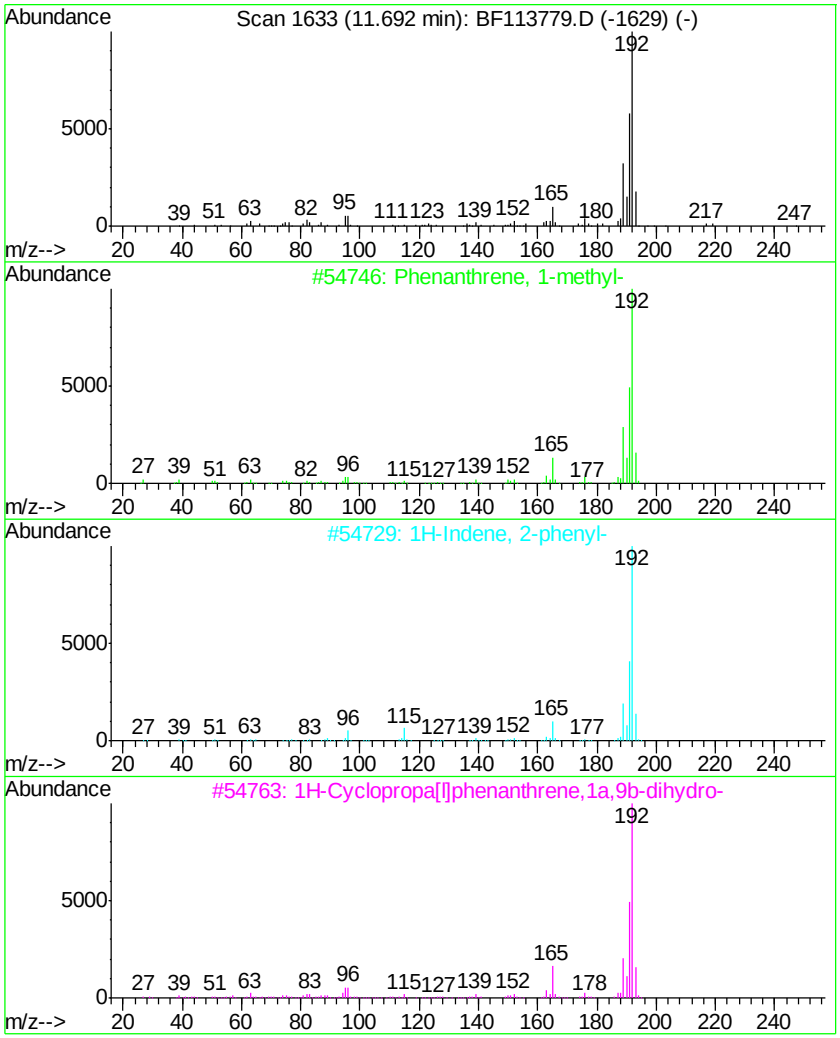
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

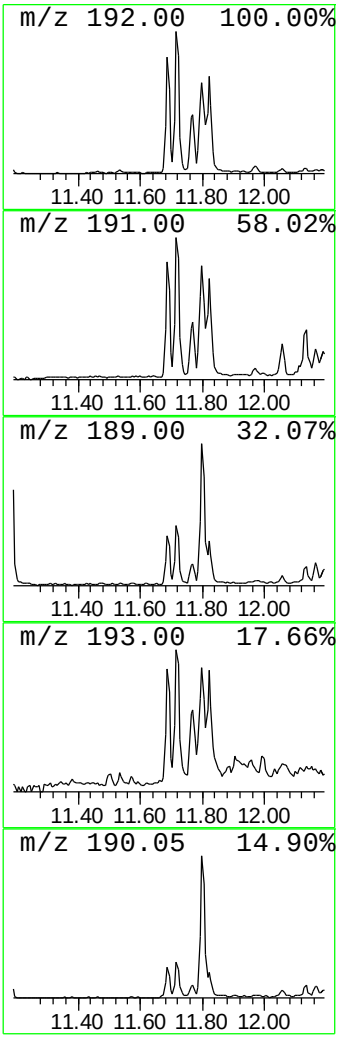
****

Peak Number 4 Phenanthrene, 1-methyl- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.69	2.65 ng	103192	Phenanthrene-d10	11.19

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	93
2	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	93
3	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	93
4	Anthracene, 2-methyl-	192	C15H12	000613-12-7	91
5	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	91





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF041519\
Data File : BF113779.D
Acq On : 15 Apr 2019 22:57
Operator : JU/SJ
Sample : K2397-07
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TP-1-D

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF040319.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

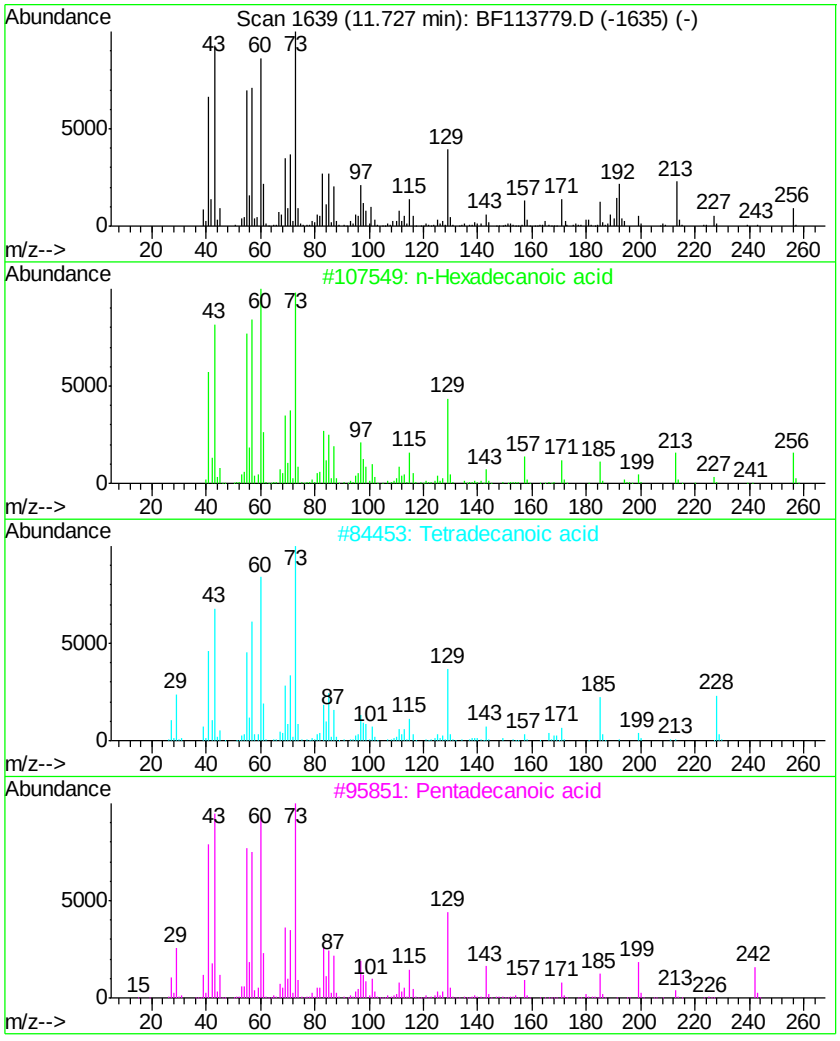
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

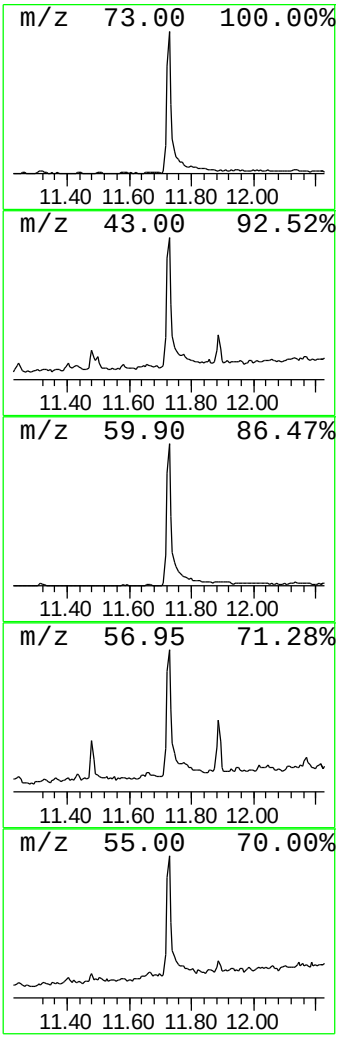
****

Peak Number 5 n-Hexadecanoic acid Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.73	15.22 ng	592131	Phenanthrene-d10	11.19

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	76
5	n-Decanoic acid	172	C10H20O2	000334-48-5	64





Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF041519\
Data File : BF113779.D
Acq On : 15 Apr 2019 22:57
Operator : JU/SJ
Sample : K2397-07
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TP-1-D

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF040319.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

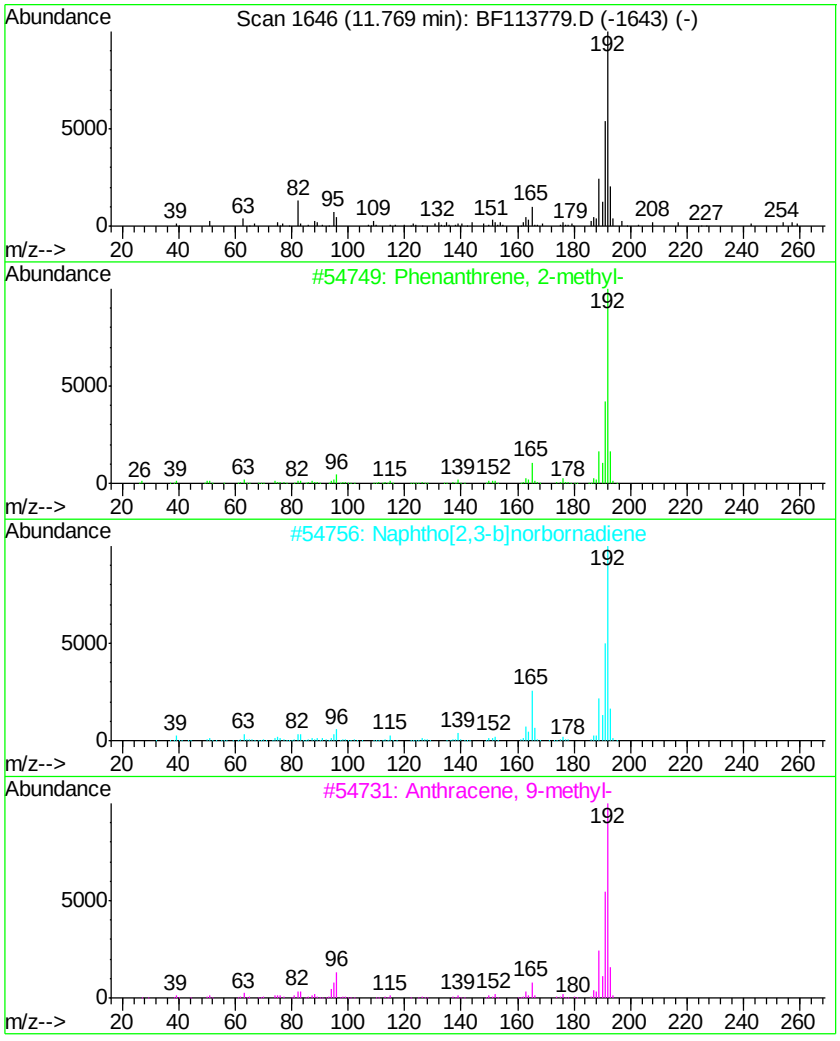
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

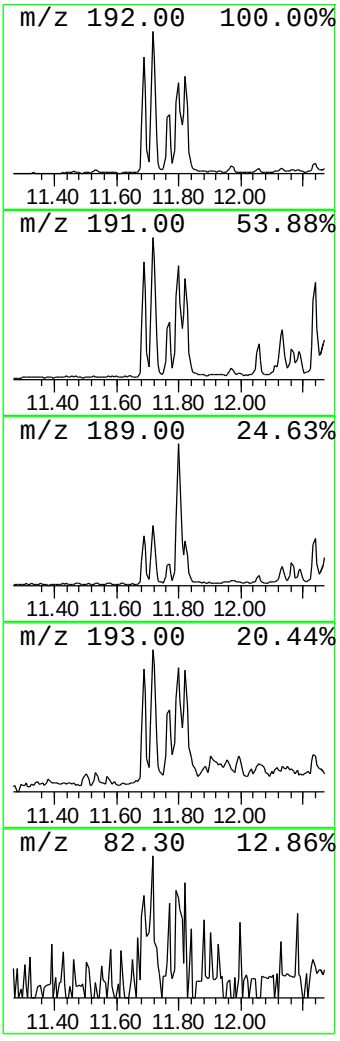
****

Peak Number 6 Phenanthrene, 2-methyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.77	2.83 ng	110230	Phenanthrene-d10	11.19

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	93
2	Naphtho[2,3-b]norbornadiene	192	C15H12	107426-38-0	87
3	Anthracene, 9-methyl-	192	C15H12	000779-02-2	87
4	Phenanthrene, 3-methyl-	192	C15H12	000832-71-3	87
5	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	87





Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF041519\
Data File : BF113779.D
Acq On : 15 Apr 2019 22:57
Operator : JU/SJ
Sample : K2397-07
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TP-1-D

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF040319.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

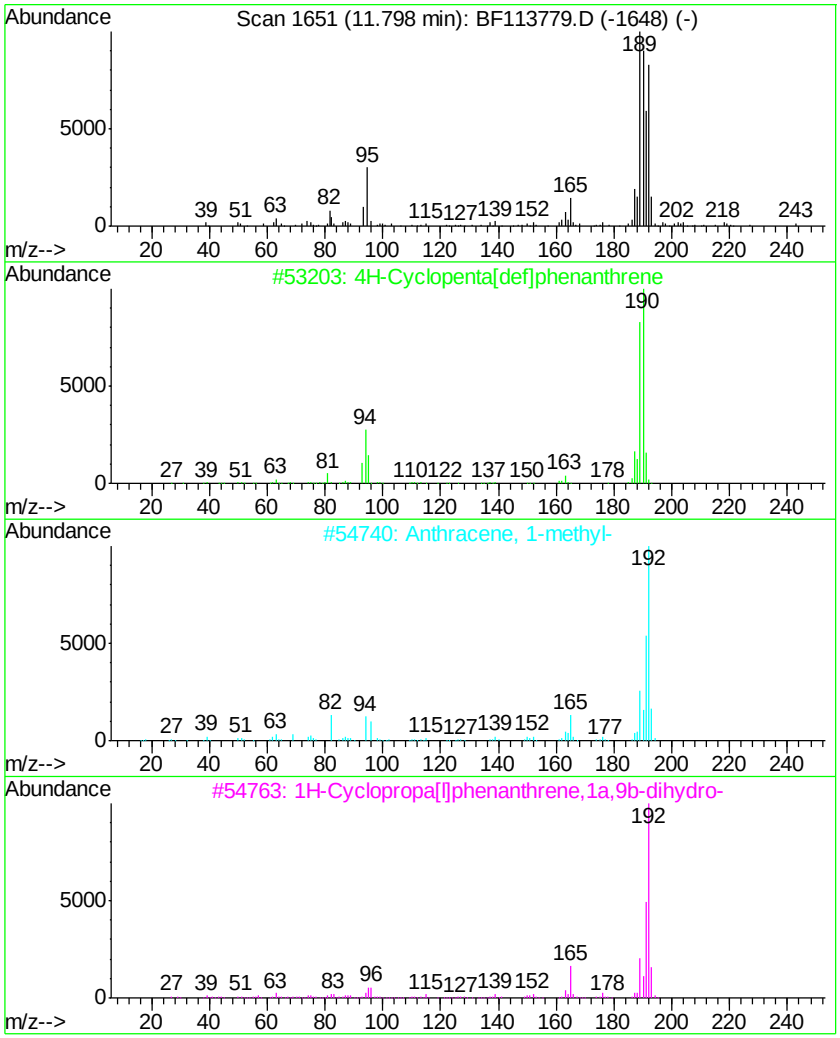
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

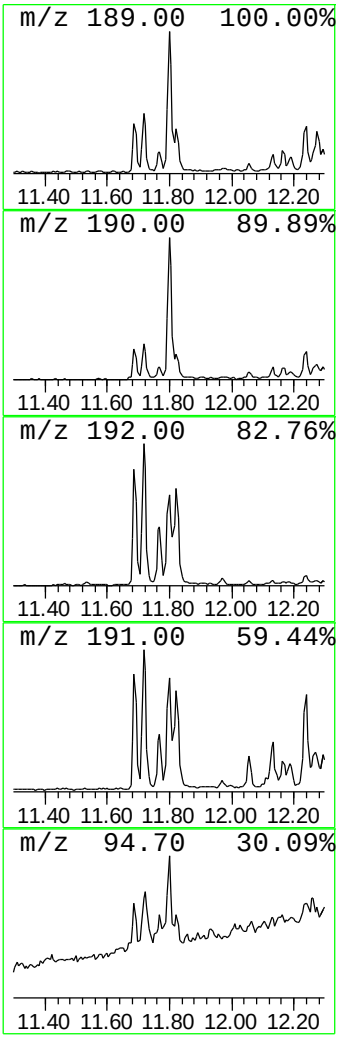
****

Peak Number 7 4H-Cyclopenta[def]phenanthrene Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.80	5.58 ng	217154	Phenanthrene-d10	11.19

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	60
2	Anthracene, 1-methyl-	192	C15H12	000610-48-0	42
3	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	42
4	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	42
5	5H-Dibenzo[a,d]cycloheptene	192	C15H12	000256-81-5	42





Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF041519\
Data File : BF113779.D
Acq On : 15 Apr 2019 22:57
Operator : JU/SJ
Sample : K2397-07
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TP-1-D

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF040319.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

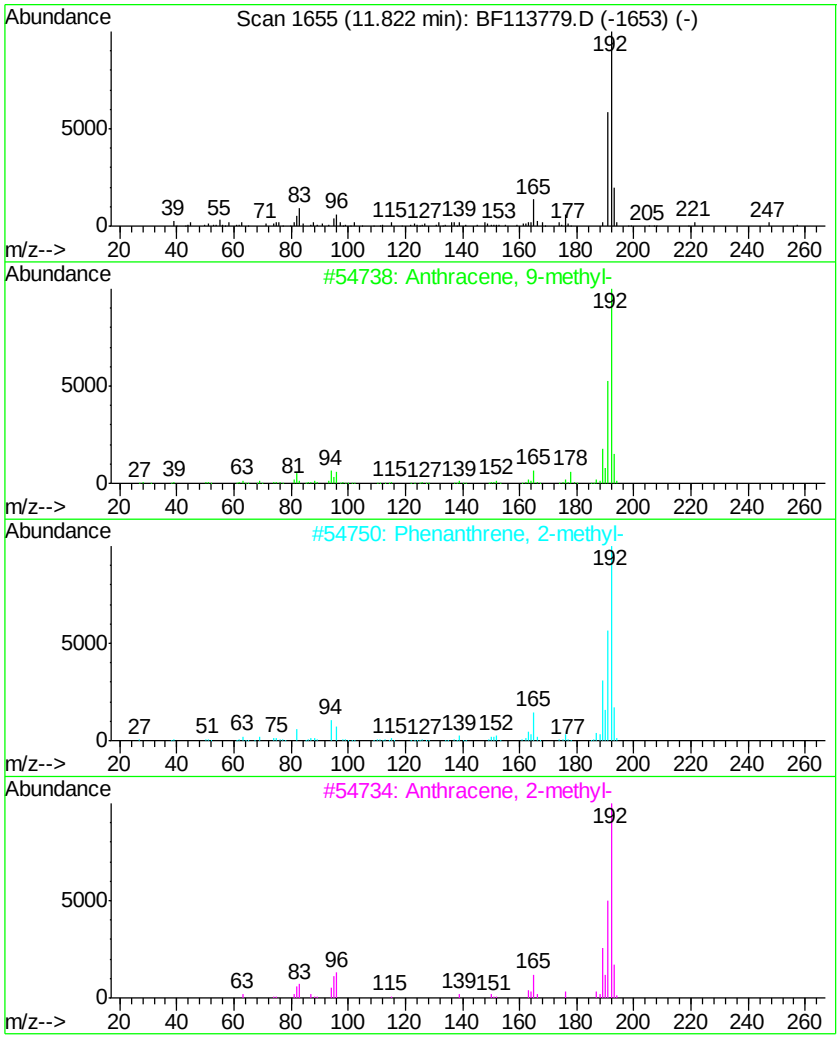
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

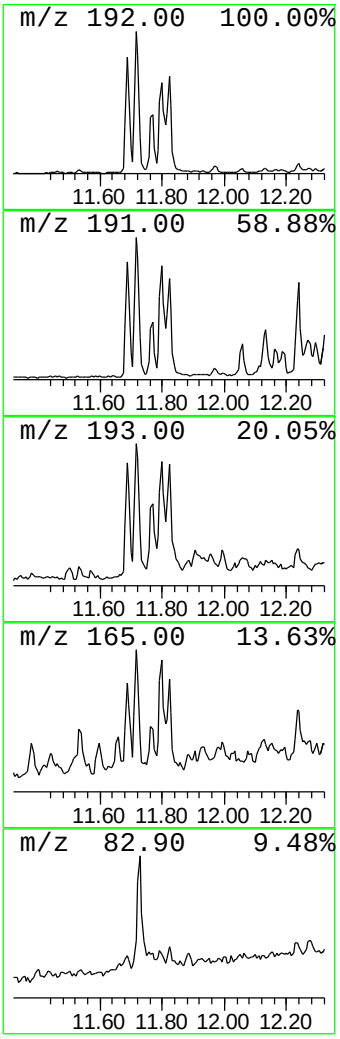
****

Peak Number 8 Anthracene, 9-methyl- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.82	2.62 ng	101879	Phenanthrene-d10	11.19

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 9-methyl-	192	C15H12	000779-02-2	90
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	90
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	87
4	Phenanthrene, 3-methyl-	192	C15H12	000832-71-3	86
5	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	86





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF041519\
Data File : BF113779.D
Acq On : 15 Apr 2019 22:57
Operator : JU/SJ
Sample : K2397-07
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TP-1-D

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF040319.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

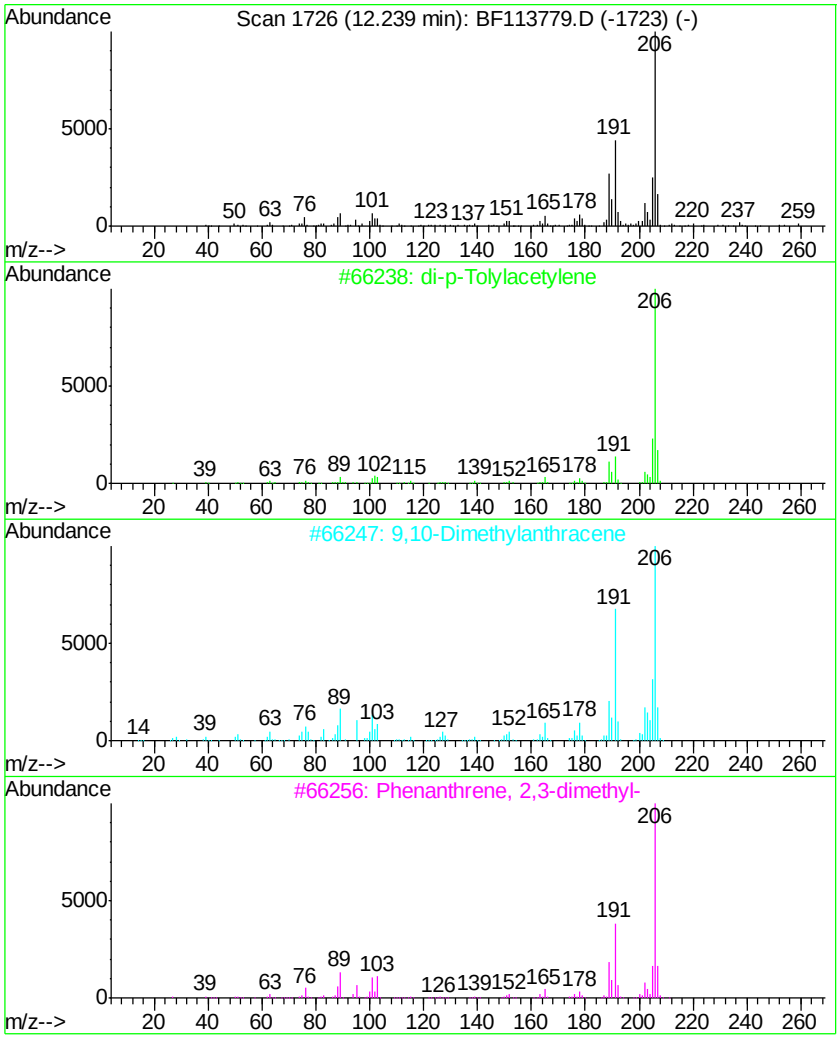
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

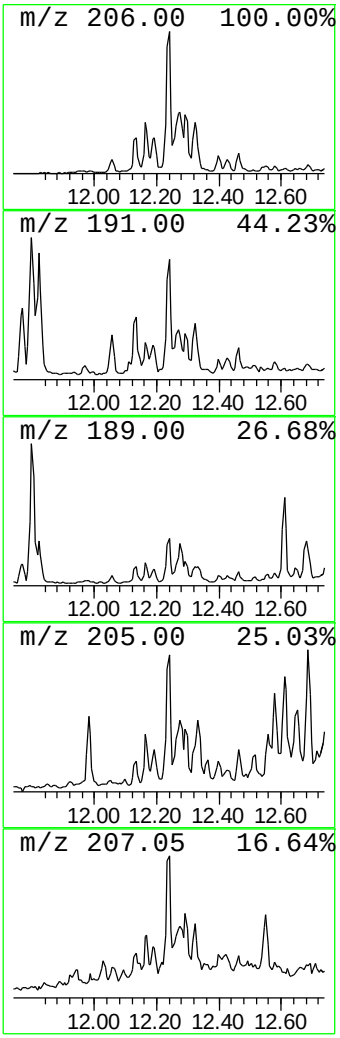
****

Peak Number 9 di-p-Tolylacetylene Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.24	4.08 ng	158655	Phenanthrene-d10	11.19

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	di-p-Tolylacetylene	206	C16H14	002789-88-0	91
2	9,10-Dimethylanthracene	206	C16H14	000781-43-1	91
3	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	87
4	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	86
5	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	86





Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF041519\
Data File : BF113779.D
Acq On : 15 Apr 2019 22:57
Operator : JU/SJ
Sample : K2397-07
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TP-1-D

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF040319.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

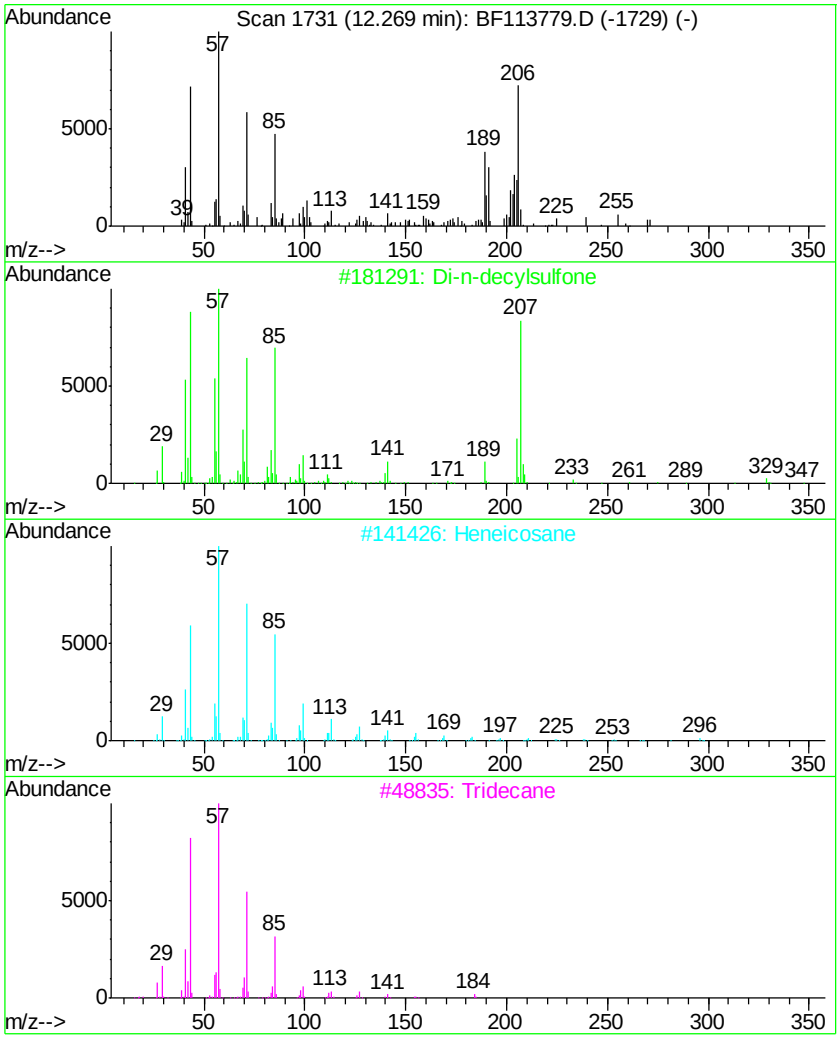
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

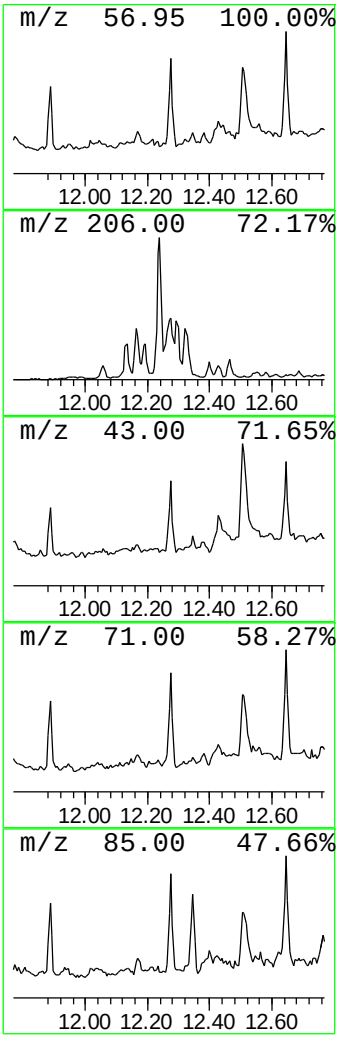
****

Peak Number 10 unknown12.27 Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.27	3.46 ng	134629	Phenanthrene-d10	11.19

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Di-n-decylsulfone	346	C20H42O2S	111530-37-1	25
2	Heneicosane	296	C21H44	000629-94-7	25
3	Tridecane	184	C13H28	000629-50-5	25
4	Tetracosane	338	C24H50	000646-31-1	15
5	Octacosane	394	C28H58	000630-02-4	15





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF041519\
Data File : BF113779.D
Acq On : 15 Apr 2019 22:57
Operator : JU/SJ
Sample : K2397-07
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TP-1-D

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF040319.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

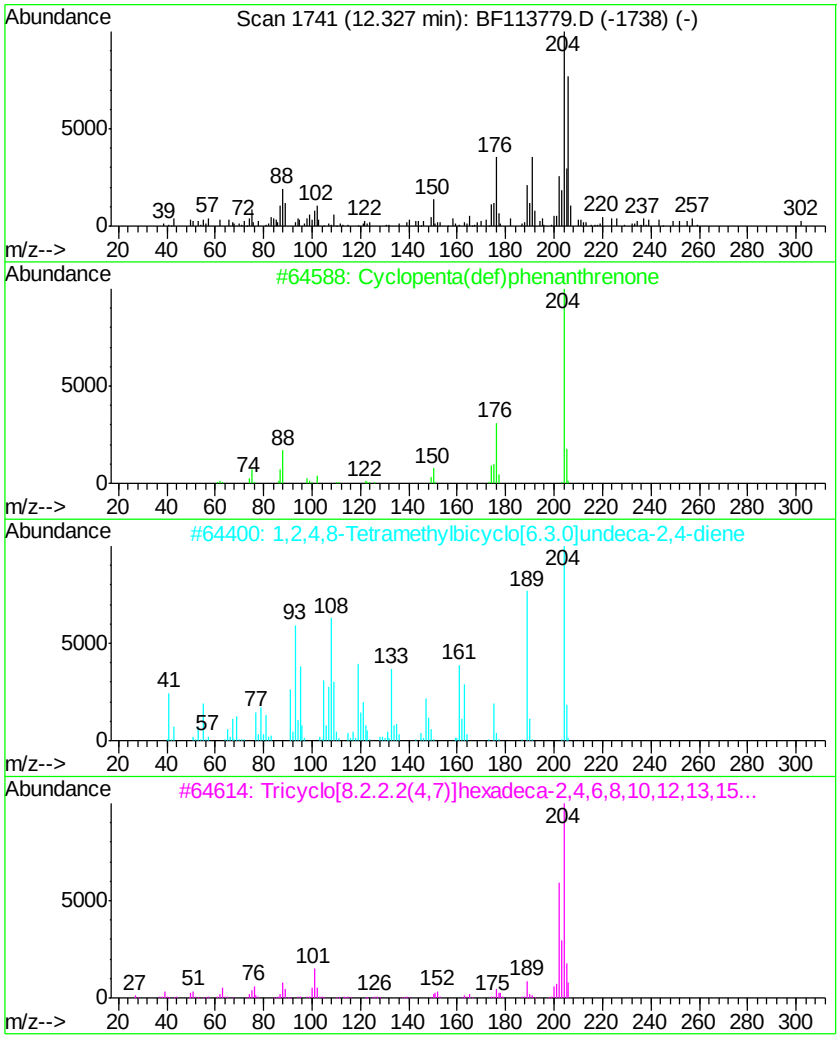
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

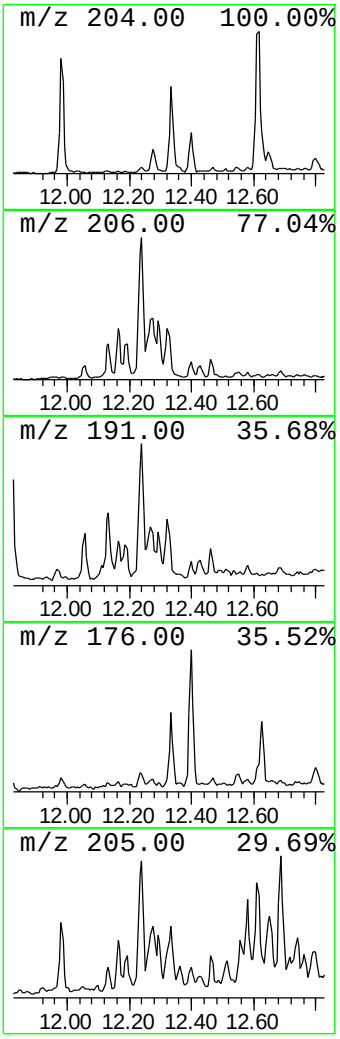
****

Peak Number 11 Cyclopenta(def)phenanthrenone Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.33	3.72 ng	144906	Phenanthrene-d10	11.19

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	86
2	1,2,4,8-Tetramethylbicyclo[6.3.0...	204	C15H24	137235-51-9	60
3	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	58
4	3,4-Biphenyldicarbonitrile	204	C14H8N2	004128-63-6	53
5	[1,1'-Biphenyl]-4,4'-dicarbonitrile	204	C14H8N2	001591-30-6	50





Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF041519\
Data File : BF113779.D
Acq On : 15 Apr 2019 22:57
Operator : JU/SJ
Sample : K2397-07
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TP-1-D

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF040319.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

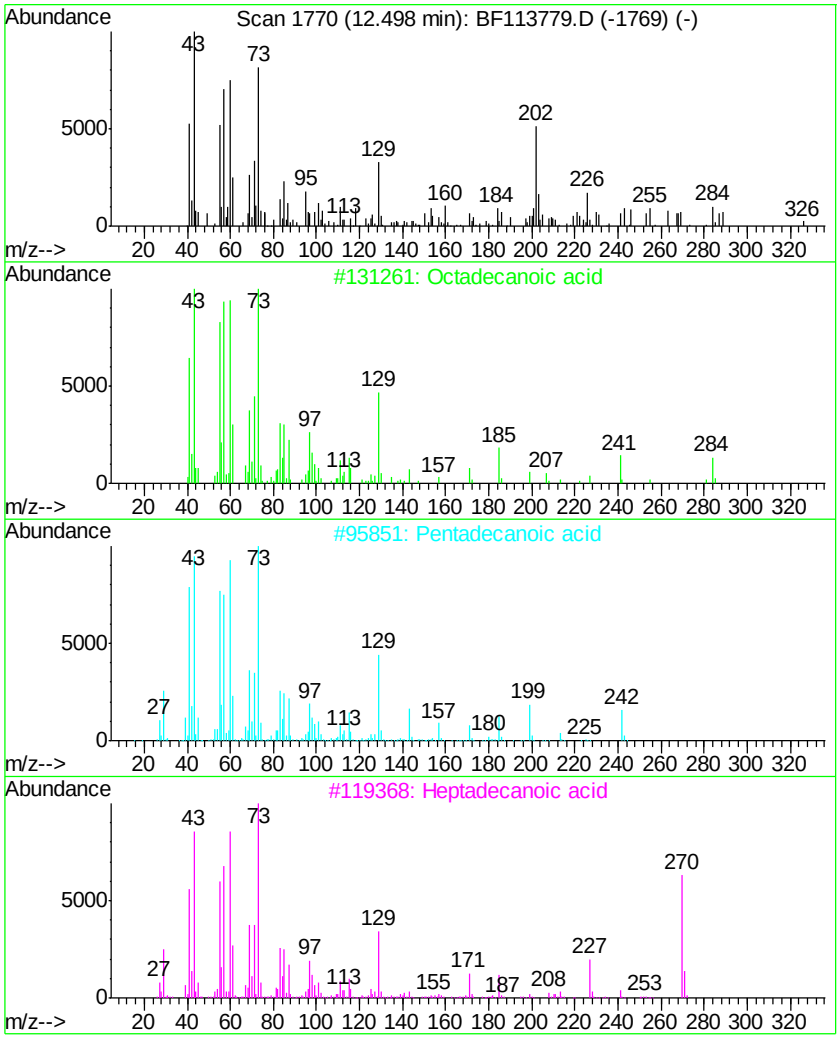
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

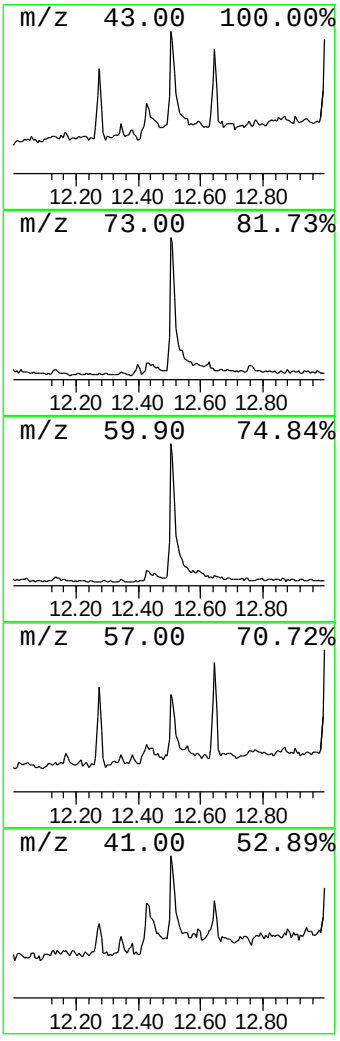
****

Peak Number 12 Octadecanoic acid Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.50	5.13 ng	199725	Phenanthrene-d10	11.19

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	93
3	Heptadecanoic acid	270	C17H34O2	000506-12-7	93
4	Tetradecanoic acid	228	C14H28O2	000544-63-8	86
5	Tridecanoic acid	214	C13H26O2	000638-53-9	86





Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF041519\
Data File : BF113779.D
Acq On : 15 Apr 2019 22:57
Operator : JU/SJ
Sample : K2397-07
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TP-1-D

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF040319.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

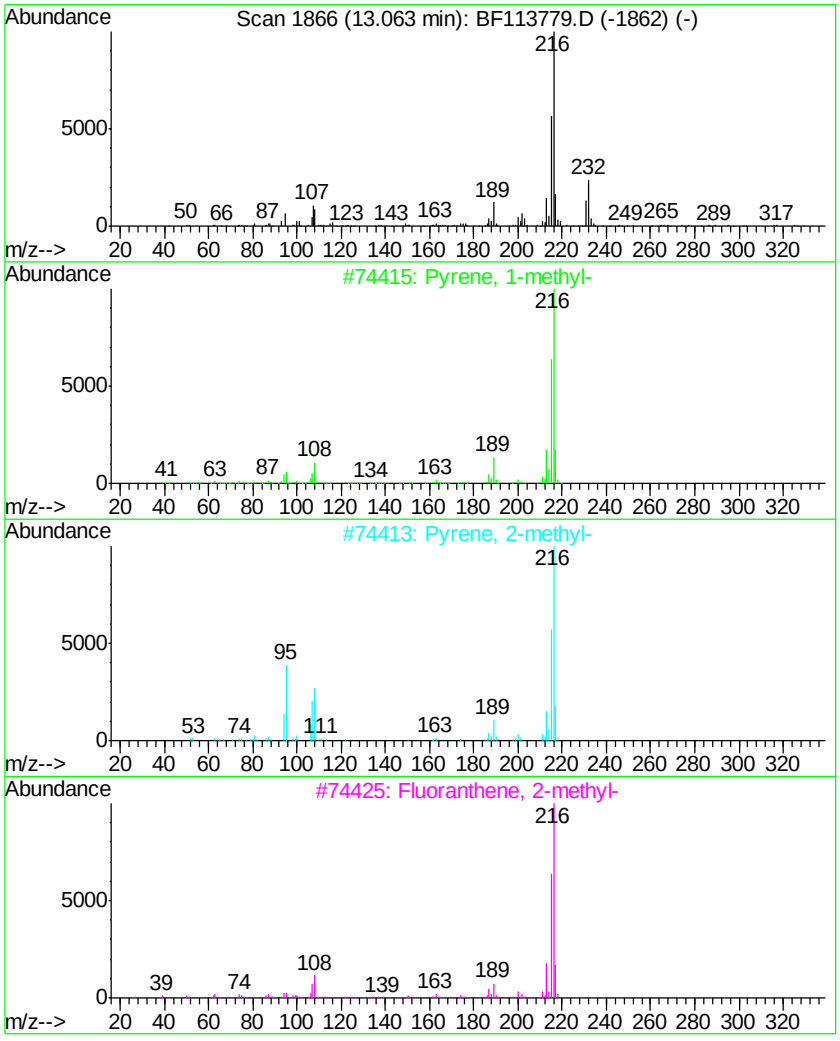
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

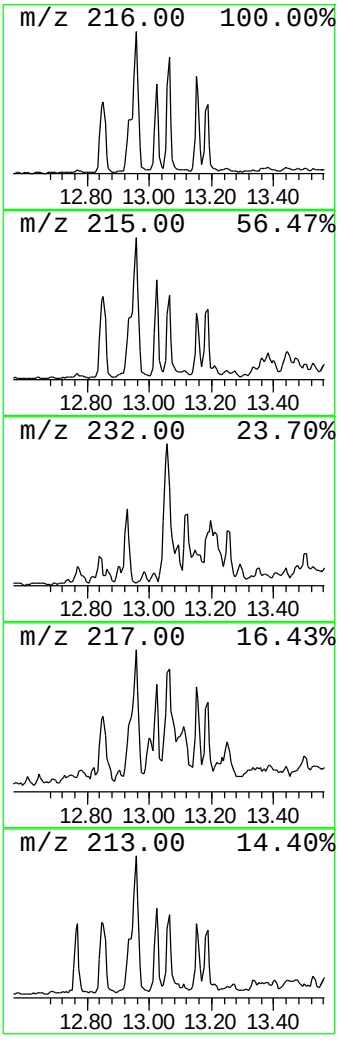
****

Peak Number 13 Pyrene, 1-methyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.06	2.74 ng	299730	Chrysene-d12	13.83

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	95
2	Pyrene, 2-methyl-	216	C17H12	003442-78-2	92
3	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	92
4	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	62
5	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	60





Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF041519\
Data File : BF113779.D
Acq On : 15 Apr 2019 22:57
Operator : JU/SJ
Sample : K2397-07
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TP-1-D

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF040319.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

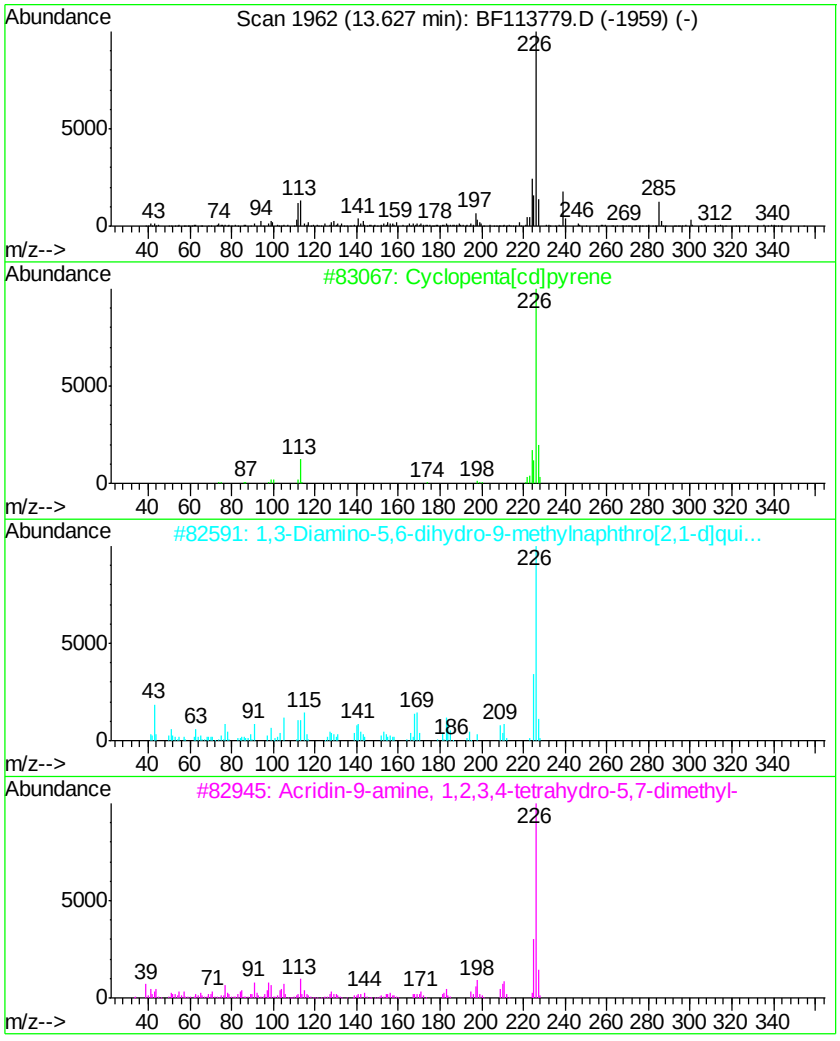
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

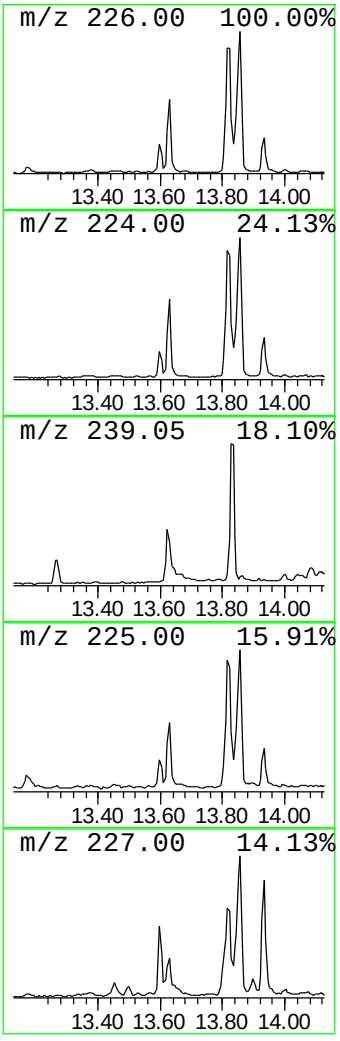
****

Peak Number 14 Cyclopenta[cd]pyrene Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.63	2.72 ng	297398	Chrysene-d12	13.83

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta[cd]pyrene	226	C18H10	027208-37-3	60
2	1,3-Diamino-5,6-dihydro-9-methyl...	226	C13H14N4	037436-39-8	47
3	Acridin-9-amine, 1,2,3,4-tetrahy...	226	C15H18N2	1000300-57-6	47
4	.beta.-Carboline, 7-methoxy-1,2-...	226	C14H14N2O	006519-18-2	47
5	1(2H)-Naphthalenone, octahydro-8...	254	C18H22O	017429-44-6	43





Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF041519\
Data File : BF113779.D
Acq On : 15 Apr 2019 22:57
Operator : JU/SJ
Sample : K2397-07
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TP-1-D

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF040319.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

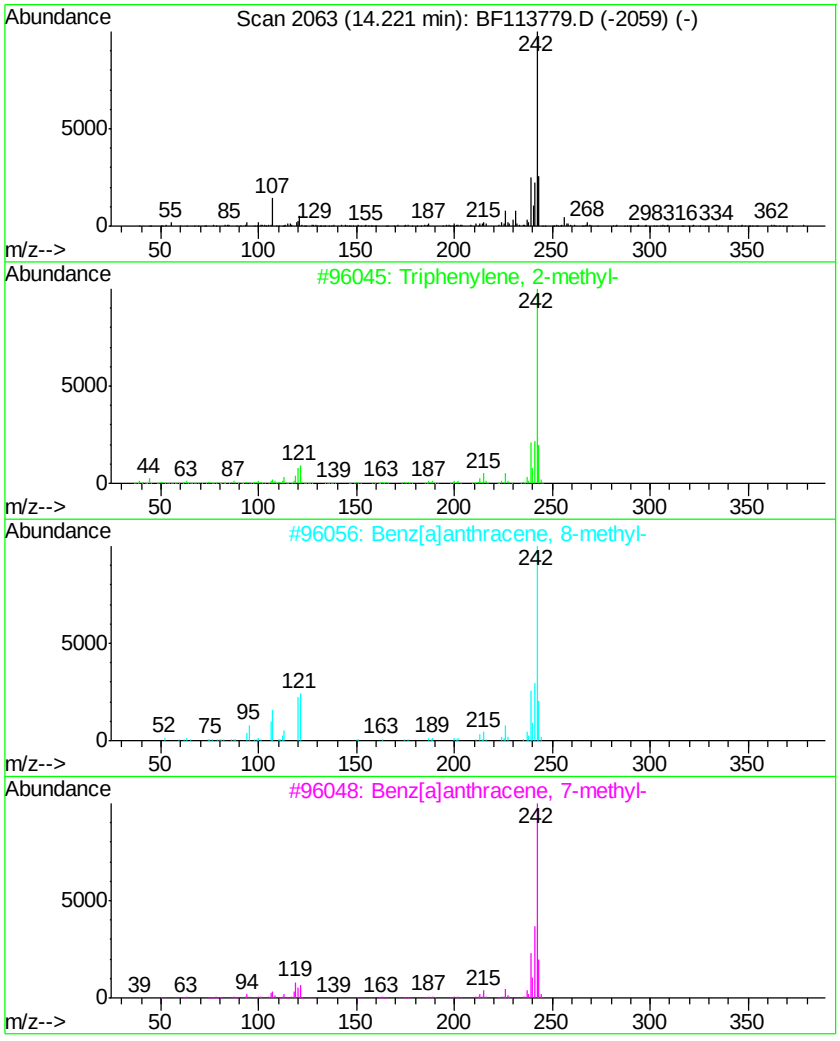
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

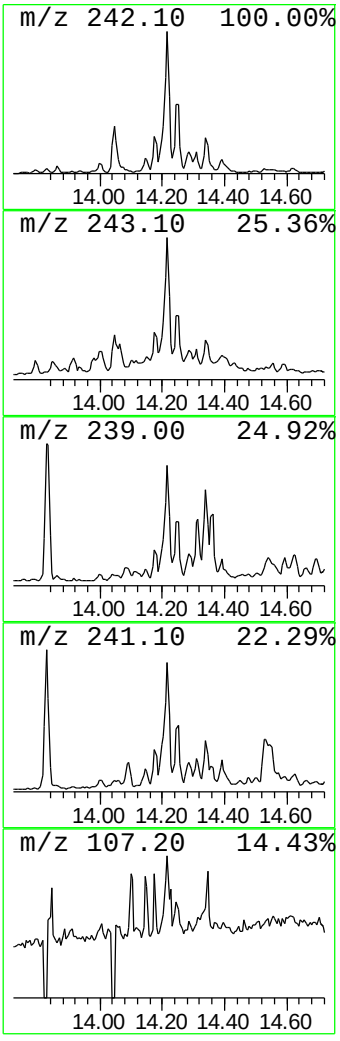
****

Peak Number 15 Triphenylene, 2-methyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.22	3.91 ng	428423	Chrysene-d12	13.83

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Triphenylene, 2-methyl-	242	C19H14	001705-84-6	90
2	Benz[a]anthracene, 8-methyl-	242	C19H14	002381-31-9	89
3	Benz[a]anthracene, 7-methyl-	242	C19H14	002541-69-7	89
4	2-Methylchrysene	242	C19H14	003351-32-4	86
5	Chrysene, 1-methyl-	242	C19H14	003351-28-8	86





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF041519\
Data File : BF113779.D
Acq On : 15 Apr 2019 22:57
Operator : JU/SJ
Sample : K2397-07
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TP-1-D

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF040319.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

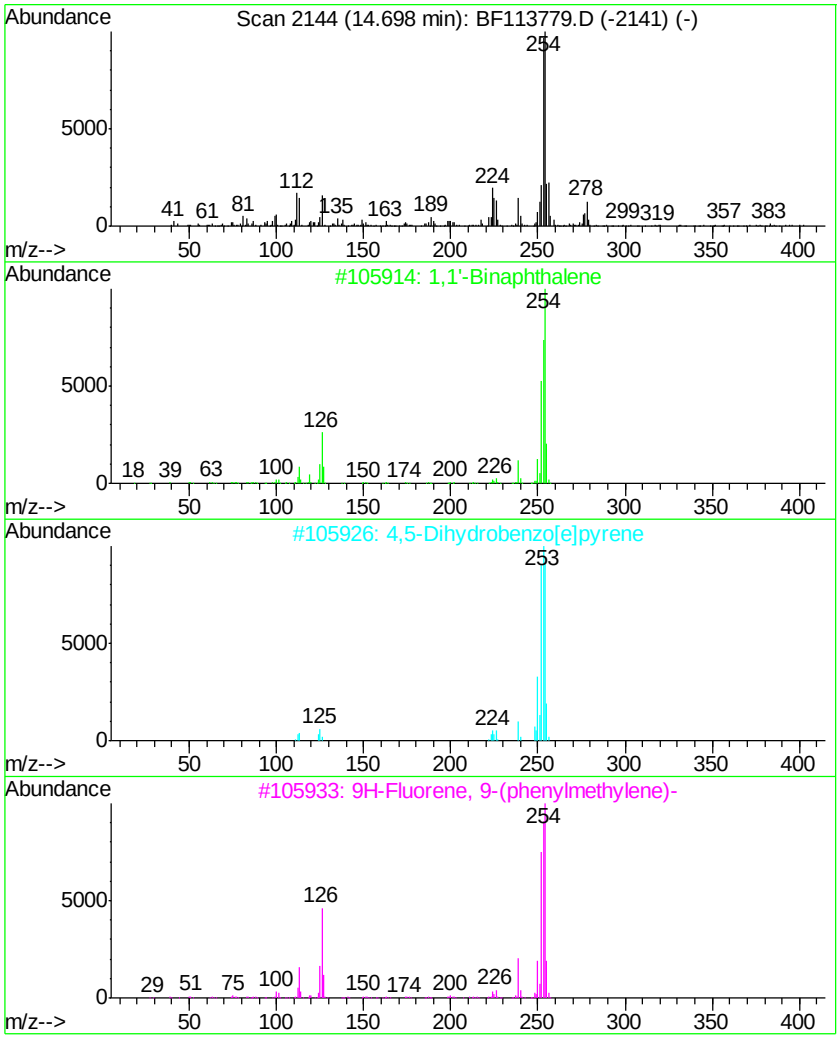
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

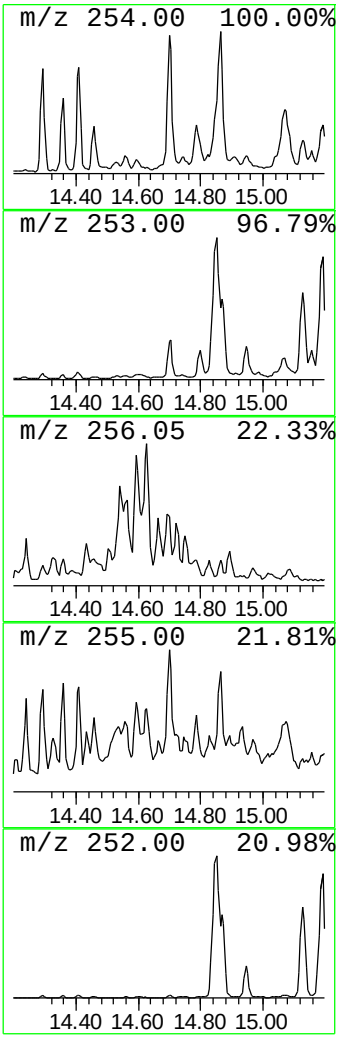
****

Peak Number 16 1,1'-Binaphthalene Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.70	8.29 ng	296306	Perylene-d12	15.24

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Binaphthalene	254	C20H14	000604-53-5	70
2	4,5-Dihydrobenzo[e]pyrene	254	C20H14	095676-42-9	70
3	9H-Fluorene, 9-(phenylmethylene)-	254	C20H14	001836-87-9	62
4	1H-Indene, 1,1'-(1,2-ethanediyli...	254	C20H14	072088-04-1	62
5	1,2'-Binaphthalene	254	C20H14	004325-74-0	58





Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF041519\
Data File : BF113779.D
Acq On : 15 Apr 2019 22:57
Operator : JU/SJ
Sample : K2397-07
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TP-1-D

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF040319.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

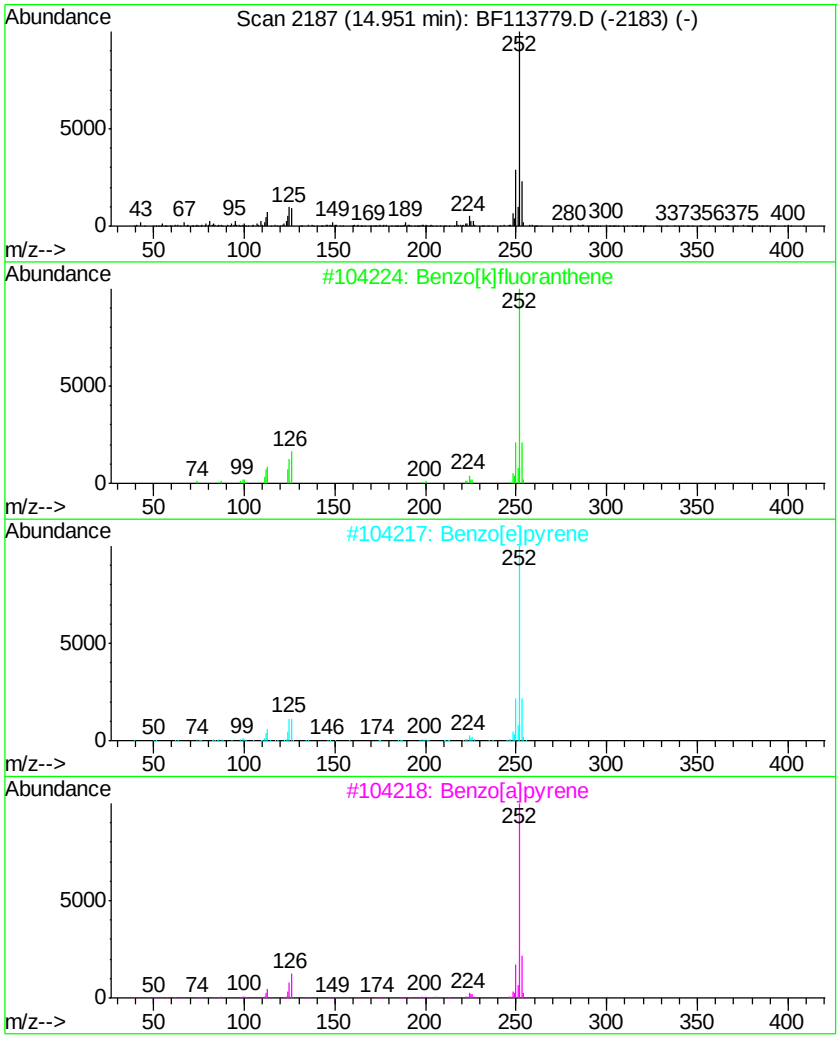
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

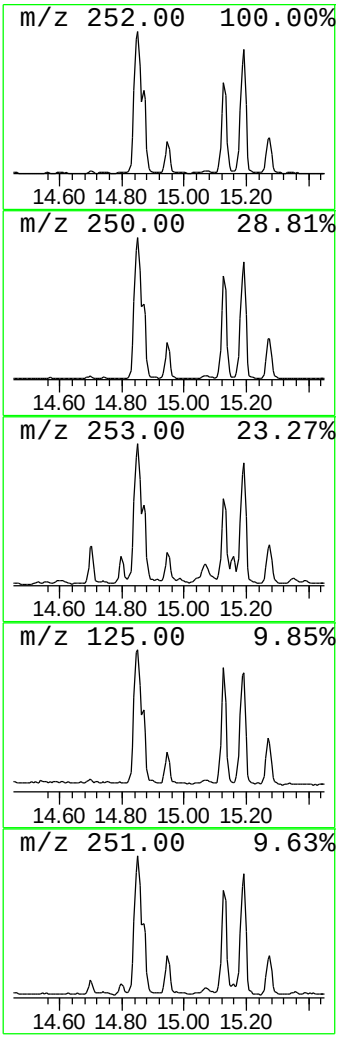
****

Peak Number 17 Benzo[e]pyrene Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.95	11.97 ng	427817	Perylene-d12	15.24

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[k]fluoranthene	252	C20H12	000207-08-9	98
2	Benzo[e]pyrene	252	C20H12	000192-97-2	97
3	Benzo[a]pyrene	252	C20H12	000050-32-8	93
4	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	90
5	Perylene	252	C20H12	000198-55-0	87





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF041519\
Data File : BF113779.D
Acq On : 15 Apr 2019 22:57
Operator : JU/SJ
Sample : K2397-07
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TP-1-D

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF040319.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

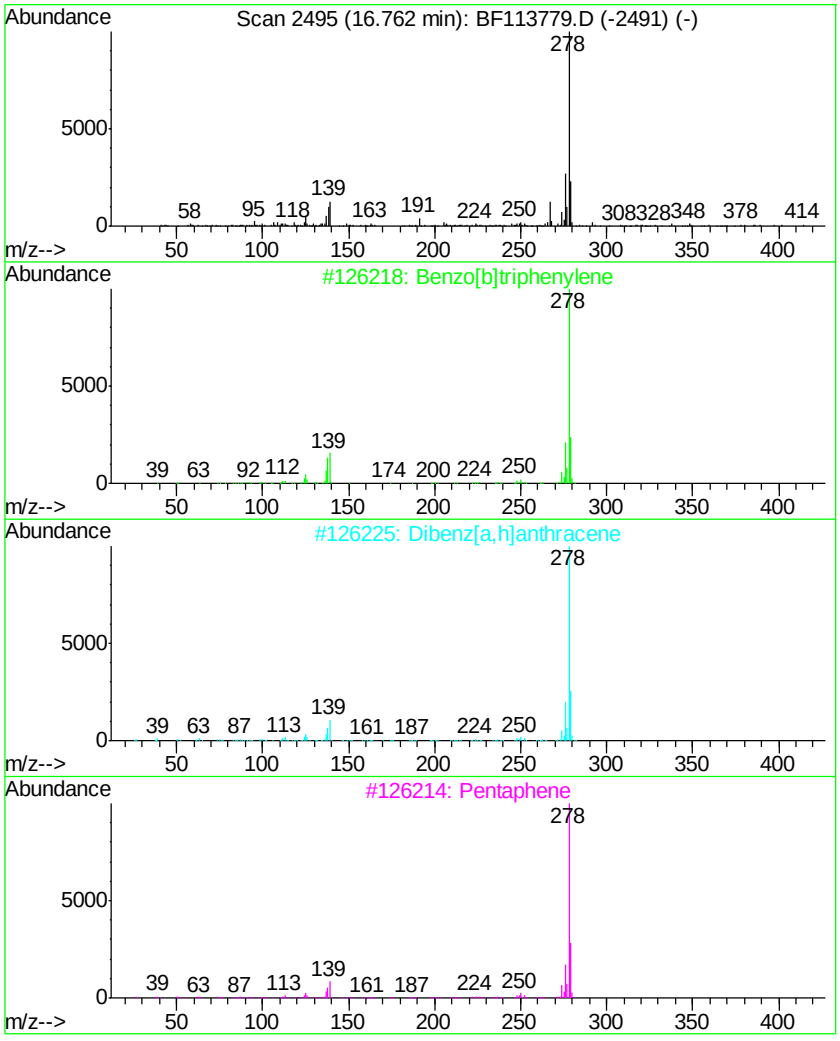
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

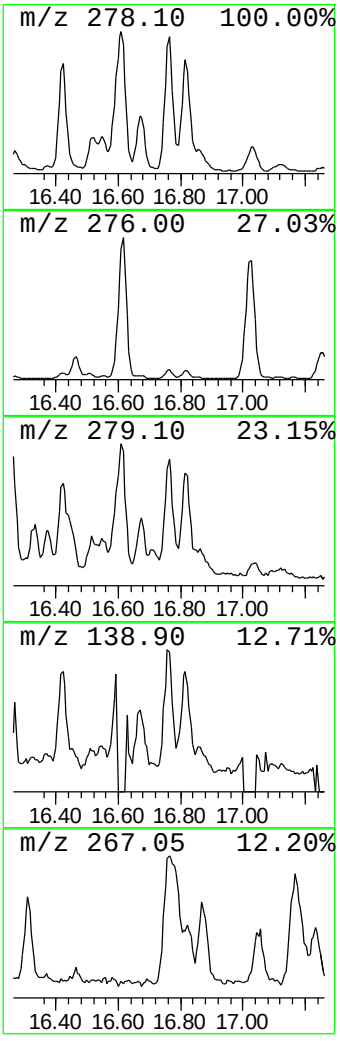
****

Peak Number 19 Picene Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.76	6.24 ng	222911	Perylene-d12	15.24

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[b]triphenylene	278	C22H14	000215-58-7	99
2	Dibenz[a,h]anthracene	278	C22H14	000053-70-3	98
3	Pentaphene	278	C22H14	000222-93-5	96
4	Picene	278	C22H14	000213-46-7	93
5	Benzo[b]chrysene	278	C22H14	000214-17-5	92





Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF041519\
Data File : BF113779.D
Acq On : 15 Apr 2019 22:57
Operator : JU/SJ
Sample : K2397-07
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TP-1-D

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF040319.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

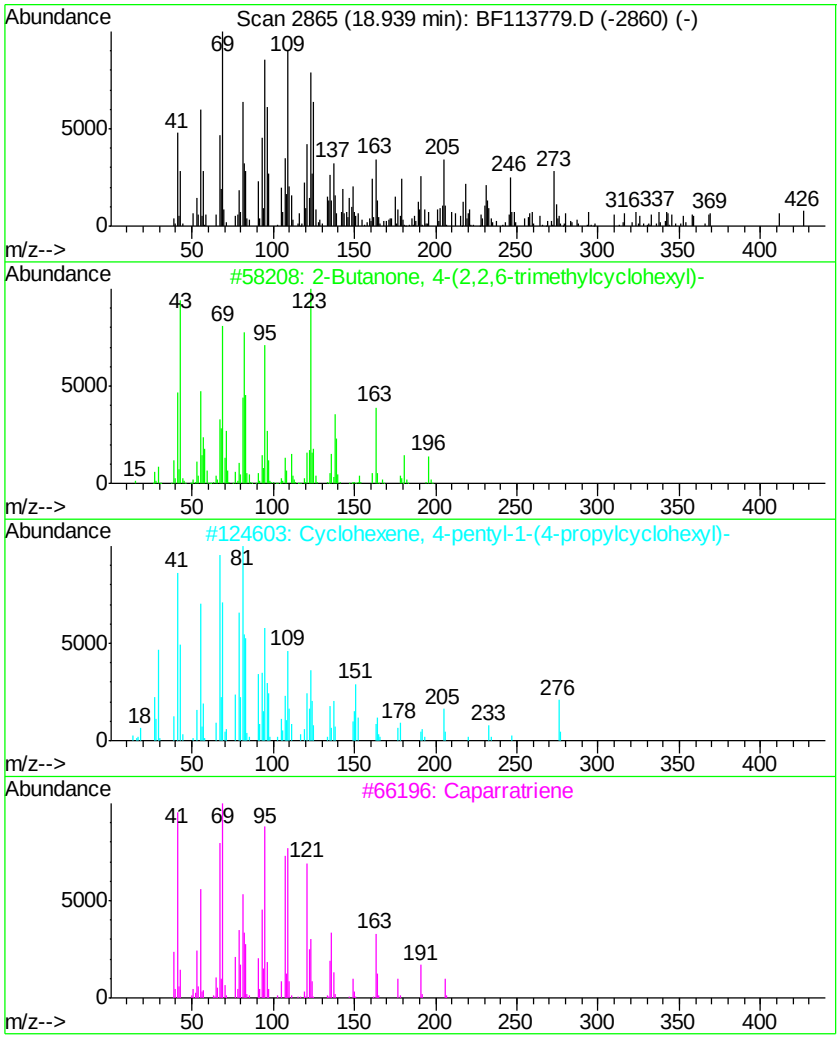
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

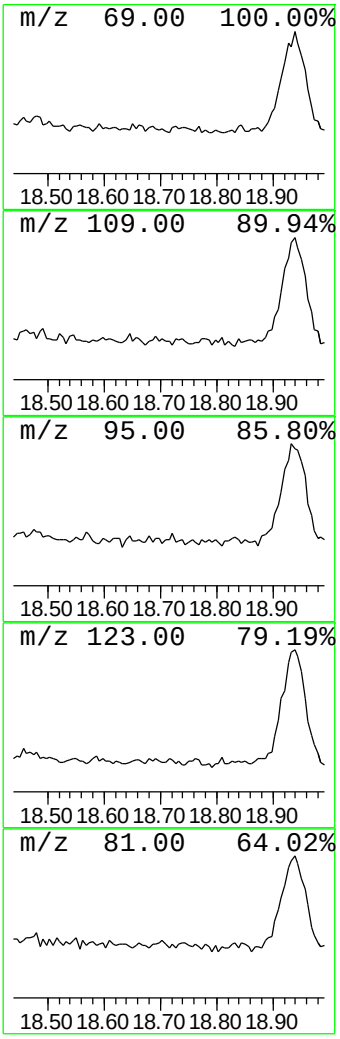
****

Peak Number 20 2-Butanone, 4-(2,2,6-trimet... Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.94	8.34 ng	298258	Perylene-d12	15.24

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Butanone, 4-(2,2,6-trimethylcy...	196	C13H24O	006138-85-8	53
2	Cyclohexene, 4-pentyl-1-(4-propy...	276	C20H36	108067-17-0	49
3	Caparratriene	206	C15H26	1000374-08-7	46
4	Cyclopentane, 1-methyl-1-(2-meth...	138	C10H18	074764-47-9	38
5	2,2,6-Trimethyl-1-(2-methyl-cycl...	218	C15H22O	1000188-72-8	30





Tentatively Identified Compound (LSC) summary

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF041519\
Data File : BF113779.D
Acq On : 15 Apr 2019 22:57
Operator : JU/SJ
Sample : K2397-07
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TP-1-D

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF040319.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
unknown6.45	6.45	77.5	ng	2458860	1	6.67	634428	20.0
2-Tridecanone	10.61	2.6	ng	101339	4	11.19	778313	20.0
Phenanthrene, 1-m...	11.69	2.6	ng	103192	4	11.19	778313	20.0
n-Hexadecanoic acid	11.73	15.2	ng	592131	4	11.19	778313	20.0
Phenanthrene, 2-m...	11.77	2.8	ng	110230	4	11.19	778313	20.0
4H-Cyclopenta[def...	11.80	5.6	ng	217154	4	11.19	778313	20.0
Anthracene, 9-met...	11.82	2.6	ng	101879	4	11.19	778313	20.0
di-p-Tolylacetylene	12.24	4.1	ng	158655	4	11.19	778313	20.0
unknown12.27	12.27	3.5	ng	134629	4	11.19	778313	20.0
Cyclopenta(def)ph...	12.33	3.7	ng	144906	4	11.19	778313	20.0
Octadecanoic acid	12.50	5.1	ng	199725	4	11.19	778313	20.0
Pyrene, 1-methyl-	13.06	2.7	ng	299730	5	13.83	2189020	20.0
Cyclopenta[cd]pyrene	13.63	2.7	ng	297398	5	13.83	2189020	20.0
Triphenylene, 2-m...	14.22	3.9	ng	428423	5	13.83	2189020	20.0
1,1'-Binaphthalene	14.70	8.3	ng	296306	6	15.24	714969	20.0
Benzo[e]pyrene	14.95	12.0	ng	427817	6	15.24	714969	20.0
Picene	16.76	6.2	ng	222911	6	15.24	714969	20.0
2-Butanone, 4-(2,...	18.94	8.3	ng	298258	6	15.24	714969	20.0