LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF040119\
Data File : BF113472.D
Acq On : 1 Apr 2019 17:53
Operator : JU/SJ
Sample : K2056-02
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : CS-8

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-BF032519.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	5.316	545	549	569	rBV	2259823	2627218	58.49%	4.202%
2	6.357	721	726	743	rBV	2472355	2847800	63.41%	4.555%
3	6.481	743	747	750	rBV	2862311	2727164	60.72%	4.362%
4	6.704	782	785	792	rBV	932335	769774	17.14%	1.231%
5	6.863	808	812	821	rBV	2385768	2143887	47.73%	3.429%
6	7.269	877	881	894	rBV	1806228	1751853	39.00%	2.802%
7	7.986	999	1003	1009	rBV	1086472	962734	21.44%	1.540%
8	9.063	1182	1186	1189	rBV	3663994	3234879	72.02%	5.174%
9	9.457	1249	1253	1257	rBV	219177	213116	4.74%	0.341%
10	9.598	1273	1277	1287	rVB	157156	153165	3.41%	0.245%
11	9.733	1296	1300	1304	rBV2	1208520	1172031	26.09%	1.875%
12	9.763	1304	1305	1311	rVB	74753	76827	1.71%	0.123%
13	9.945	1332	1336	1344	rVB3	26692	45192	1.01%	0.072%
14	10.280	1390	1393	1399	rVB	51525	54798	1.22%	0.088%
15	10.522	1430	1434	1450	rBV	2115023	2205531	49.11%	3.528%
16	10.633	1450	1453	1454	rVV	80386	68056	1.52%	0.109%
17	10.651	1454	1456	1462	rVB2	74700	81907	1.82%	0.131%
18	10.980	1509	1512	1516	rVB	46372	47246	1.05%	0.076%
19	11.022	1516	1519	1524	rBV	111799	108362	2.41%	0.173%
20	11.110	1532	1534	1540	rVB	60439	64276	1.43%	0.103%
21	11.163	1540	1543	1548	rBV2	94221	111964	2.49%	0.179%
22	11.216	1548	1552	1554	rBV	1379754	1257679	28.00%	2.012%
23	11.239	1554	1556	1560	rVV	838705	710724	15.82%	1.137%
24	11.292	1561	1565	1568	rVV	465863	475330	10.58%	0.760%
25	11.327	1568	1571	1574	rVB2	61730	70097	1.56%	0.112%
26	11.445	1586	1591	1599	rBV2	470034	613620	13.66%	0.981%
27	11.510	1599	1602	1606	rVB3	66247	75267	1.68%	0.120%
28	11.610	1613	1619	1624	rBV4	34455	86046	1.92%	0.138%
29	11.710	1633	1636	1639	rBV2	139997	153973	3.43%	0.246%
30	11.751	1639	1643	1648	rBV2	687375	793003	17.66%	1.268%
31	11.792	1648	1650	1652	rVB	67982	55759	1.24%	0.089%
32	11.827	1652	1656	1659	rBV	219781	276401	6.15%	0.442%
33	11.898	1664	1668	1670	rBV2	78048	93988	2.09%	0.150%
34	11.922	1670	1672	1674	rVV2	146822	135278	3.01%	0.216%

LSC Area Percent Report

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Data File : BF113472.D
Acq On : 1 Apr 2019 17:53
Operator : JU/SJ
Sample : K2056-02
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : CS-8

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-BF032519.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	11.945	1674	1676	1682	rVV3	96241	164946	3.67%	0.264%
36	12.010	1684	1687	1689	rVV	167763	154255	3.43%	0.247%
37	12.039	1689	1692	1696	rVV	549672	514846	11.46%	0.823%
38	12.080	1696	1699	1701	rVB3	64079	64474	1.44%	0.103%
39	12.157	1707	1712	1715	rBV3	175098	197614	4.40%	0.316%
40	12.216	1719	1722	1725	rVB	60056	59358	1.32%	0.095%
41	12.263	1727	1730	1732	rBV	104815	110047	2.45%	0.176%
42	12.292	1732	1735	1742	rVB4	145446	240266	5.35%	0.384%
43	12.351	1742	1745	1749	rBV	404269	381768	8.50%	0.611%
44	12.433	1753	1759	1762	rBV	4154730	4491404	100.00%	7.184%
45	12.486	1766	1768	1771	rVB	140752	127423	2.84%	0.204%
46	12.533	1771	1776	1779	rBV2	884039	1046719	23.30%	1.674%
47	12.569	1779	1782	1786	rVB3	235140	289868	6.45%	0.464%
48	12.657	1790	1797	1800	rBV2	3663977	3972765	88.45%	6.354%
49	12.698	1802	1804	1811	rVB2	204721	229061	5.10%	0.366%
50	12.798	1813	1821	1829	rBV2	3282107	4004372	89.16%	6.405%
51	12.874	1829	1834	1837	rBV3	280104	409648	9.12%	0.655%
52	12.904	1837	1839	1841	rVB	167063	122989	2.74%	0.197%
53	12.963	1845	1849	1850	rBV3	277912	378899	8.44%	0.606%
54	13.016	1855	1858	1859	rBV	68645	62613	1.39%	0.100%
55	13.045	1860	1863	1865	rBV	160620	135456	3.02%	0.217%
56	13.080	1865	1869	1872	rBV3	371343	411212	9.16%	0.658%
57	13.139	1877	1879	1882	rBV	79006	63726	1.42%	0.102%
58	13.174	1882	1885	1888	rBV	272469	244914	5.45%	0.392%
59	13.204	1888	1890	1897	rVB3	141901	165640	3.69%	0.265%
60	13.263	1898	1900	1903	rBV	132221	110490	2.46%	0.177%
61	13.292	1903	1905	1908	rVB2	113687	113898	2.54%	0.182%
62	13.333	1909	1912	1915	rBV	368413	387372	8.62%	0.620%
63	13.416	1924	1926	1931	rVB	317696	299097	6.66%	0.478%
64	13.492	1935	1939	1946	rVB	858165	908255	20.22%	1.453%
65	13.598	1953	1957	1959	rBV	752946	737675	16.42%	1.180%
66	13.621	1959	1961	1963	rVV	461887	399100	8.89%	0.638%
67	13.645	1963	1965	1971	rVV3	618759	802027	17.86%	1.283%
68	13.698	1971	1974	1977	rVB	820604	689643	15.35%	1.103%
69	13.727	1977	1979	1983	rBV	301982	299694	6.67%	0.479%
70	13.845	1992	1999	2002	rBV	1477732	2772388	61.73%	4.434%
71	13.874	2002	2004	2007	rVB	2002496	1614176	35.94%	2.582%

LSC Area Percent Report

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Sample : K2056-02
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : CS-8

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-BF032519.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

72	13.951	2015	2017	2019	rBV2	99935	89048	1.98%	0.142%
73	13.974	2019	2021	2023	rVB2	201388	158959	3.54%	0.254%
74	14.074	2034	2038	2041	rBV3	126873	217435	4.84%	0.348%
75	14.198	2056	2059	2060	rBV2	107958	109049	2.43%	0.174%
76	14.280	2068	2073	2076	rBV2	446451	496891	11.06%	0.795%
77	14.315	2077	2079	2083	rVB2	221332	209640	4.67%	0.335%
78	14.357	2083	2086	2088	rBV2	220597	246453	5.49%	0.394%
79	14.539	2115	2117	2124	rVB2	222215	234999	5.23%	0.376%
80	14.610	2127	2129	2134	rVB2	180999	147766	3.29%	0.236%
81	14.657	2135	2137	2139	rBV	201178	211841	4.72%	0.339%
82	14.863	2167	2172	2179	rBV	1678846	2966309	66.04%	4.745%
83	14.921	2179	2182	2186	rVB2	402364	471571	10.50%	0.754%
84	15.145	2216	2220	2225	rVB	878855	1068987	23.80%	1.710%
85	15.198	2226	2229	2233	rBV2	367019	417085	9.29%	0.667%
86	15.257	2235	2239	2246	rVB	763397	1118360	24.90%	1.789%
87	15.674	2306	2310	2313	rBV	216977	275809	6.14%	0.441%
88	16.627	2467	2472	2479	rBV3	329982	636514	14.17%	1.018%

Sum of corrected areas: 62519759

LSC Report - Integrated Chromatogram

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF040119\
Data File : BF113472.D
Acq On : 1 Apr 2019 17:53
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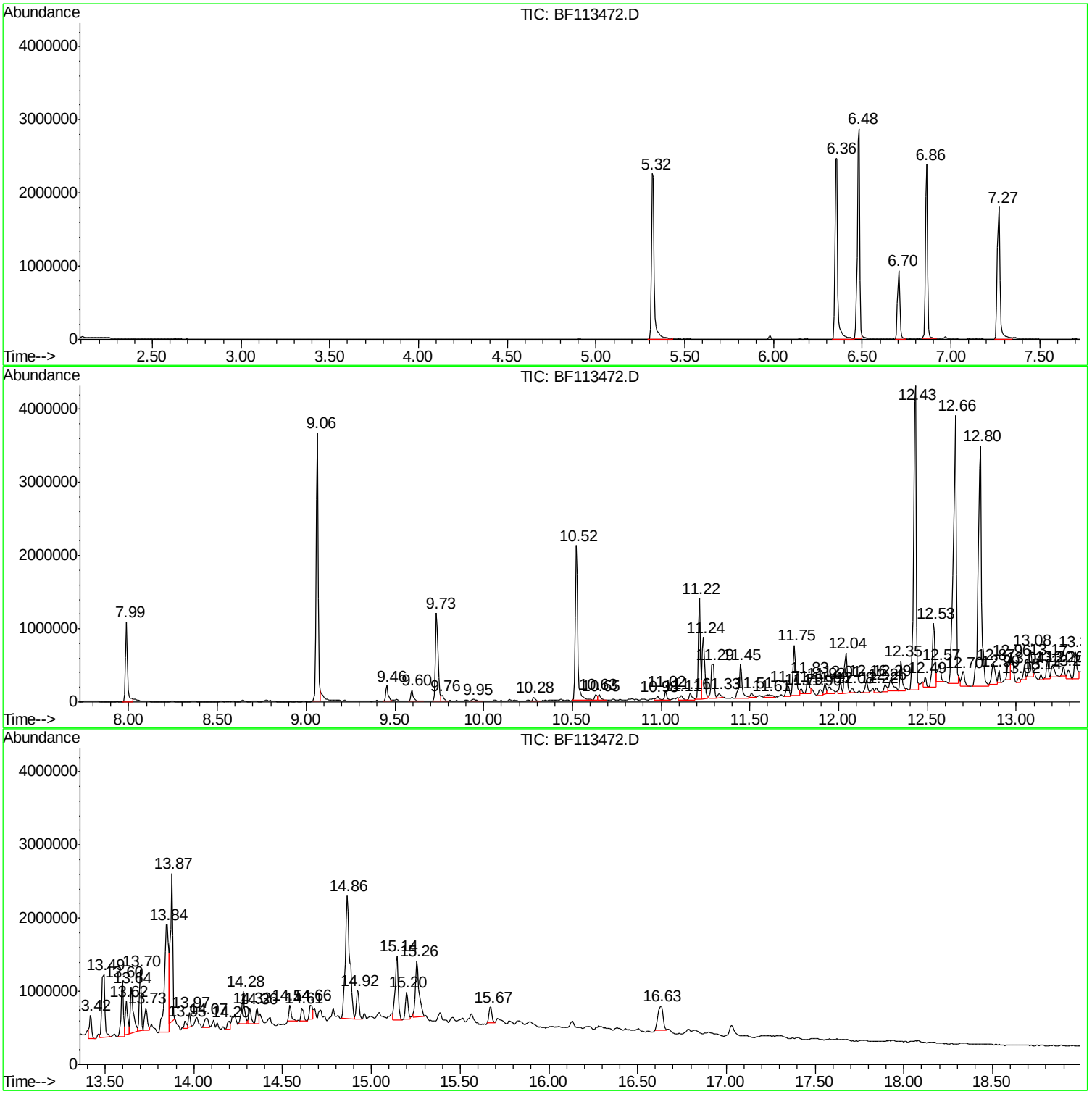
Sample : K2056-02
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : CS-8

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF032519.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\BF040119\
Data File : BF113472.D
Acq On : 1 Apr 2019 17:53
Operator : JU/SJ
Sample : K2056-02
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : CS-8

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF032519.M
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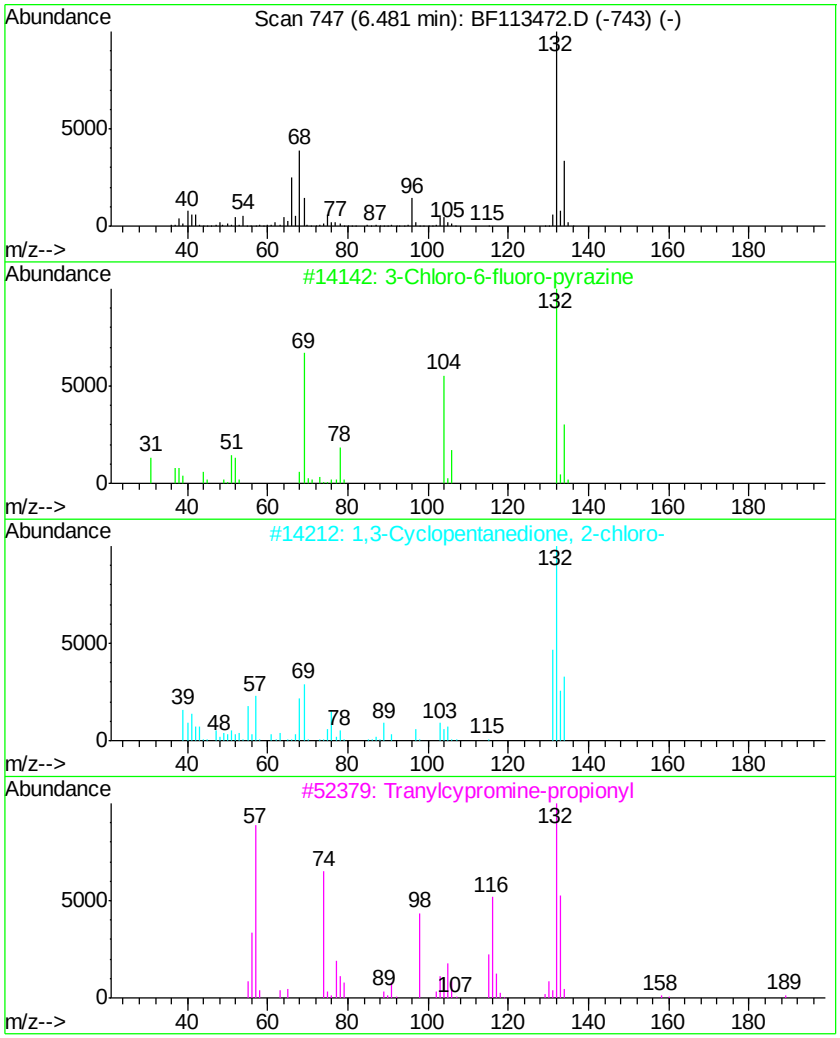
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

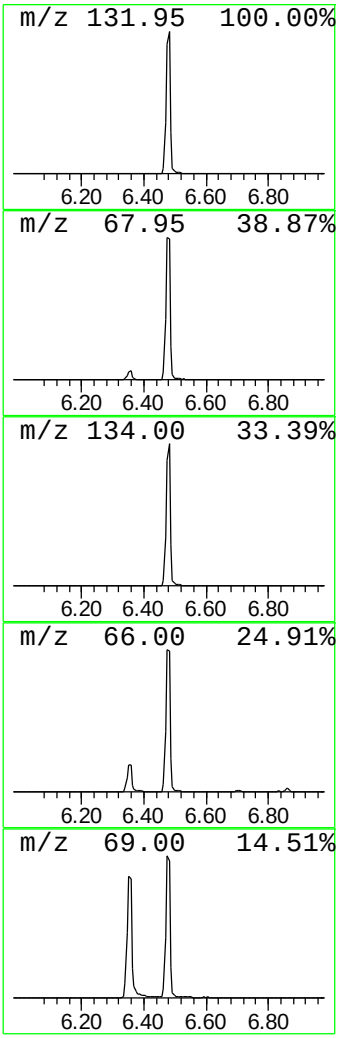
****

Peak Number 1 unknown6.48 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.48	70.86 ng	2727160	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	1,3-Cyclopentanedione, 2-chloro-	132	C5H5ClO2	014203-19-1	17
3	Tranylcypromine-propionyl	189	C12H15NO	1000123-86-3	12
4	1-Methylpyrrolo[1,2-a]pyrazine	132	C8H8N2	064608-59-9	9
5	4-Methylpyrrolo[1,2-a]pyrazine	132	C8H8N2	064608-60-2	9





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF040119\
Data File : BF113472.D
Acq On : 1 Apr 2019 17:53
Operator : JU/SJ
Sample : K2056-02
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : CS-8

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF032519.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

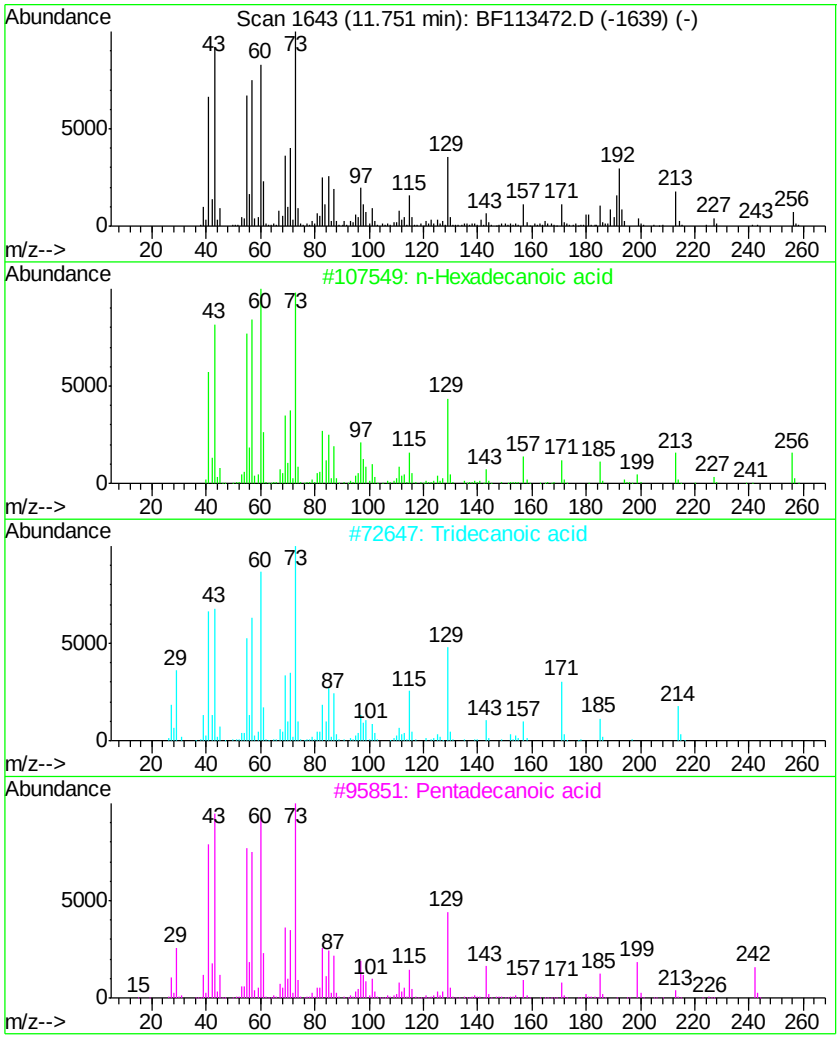
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

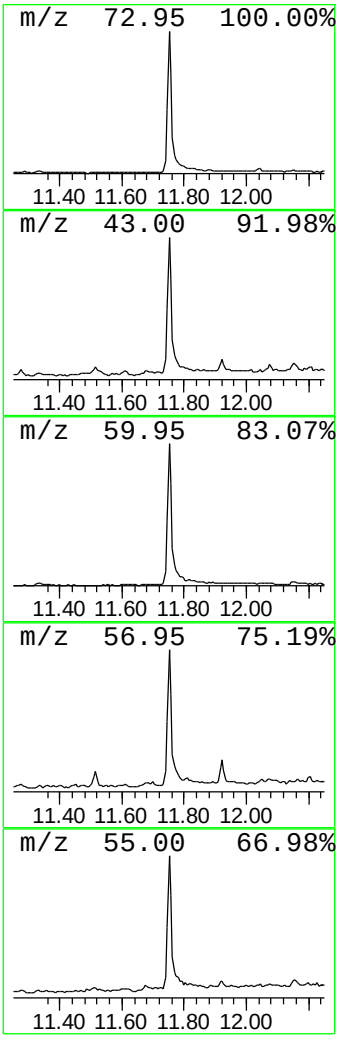
****

Peak Number 3 n-Hexadecanoic acid Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.75	12.61 ng	793003	Phenanthrene-d10	11.22

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	99
2	Tridecanoic acid	214	C13H26O2	000638-53-9	96
3	Pentadecanoic acid	242	C15H30O2	001002-84-2	91
4	Tetradecanoic acid	228	C14H28O2	000544-63-8	90
5	n-Decanoic acid	172	C10H20O2	000334-48-5	43





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Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : CS-8

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF032519.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

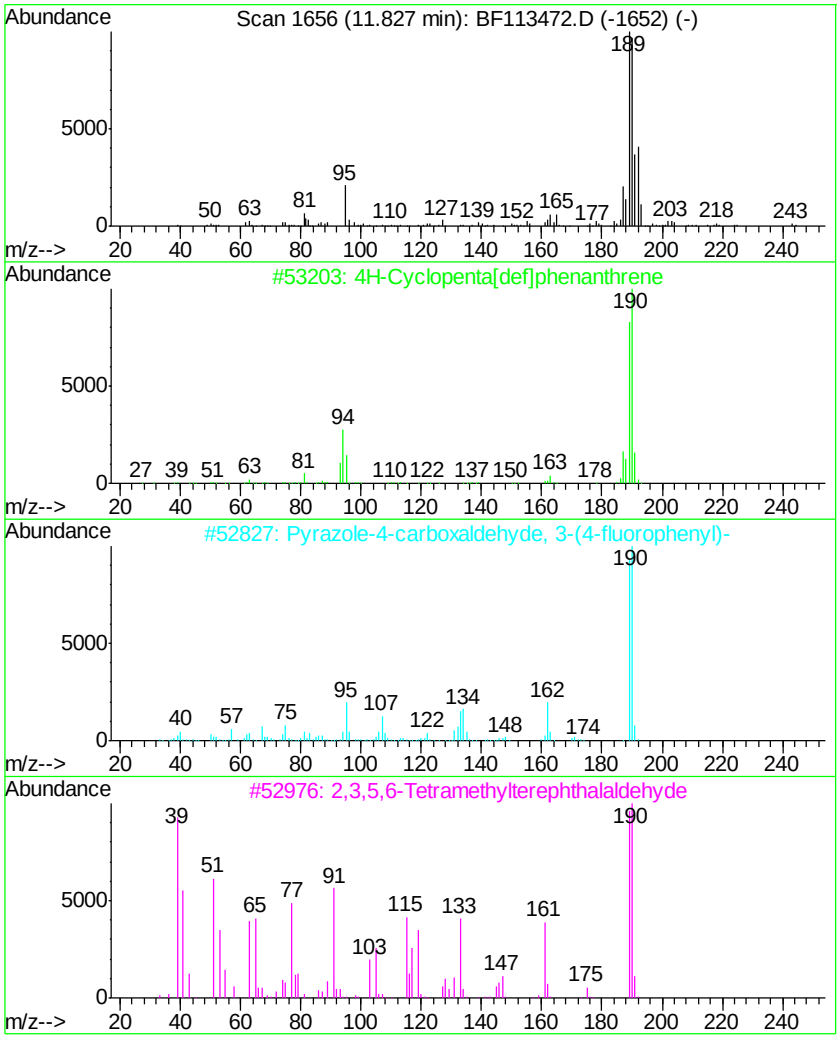
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

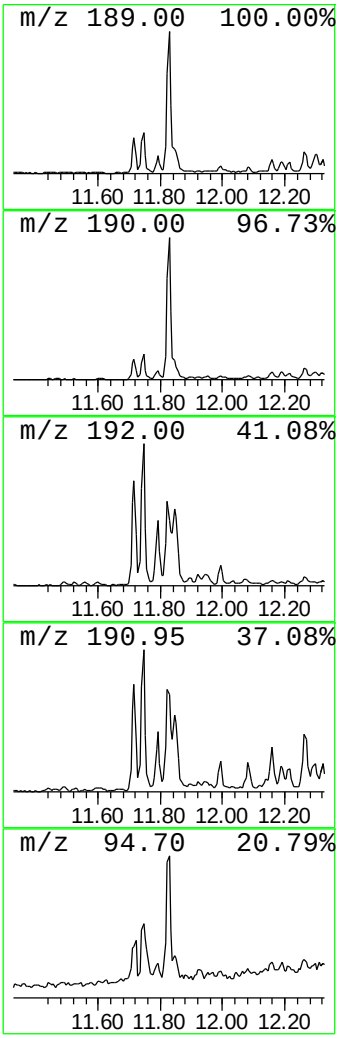
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.83	4.40 ng	276401	Phenanthrene-d10	11.22

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	76
2	Pyrazole-4-carboxaldehyde, 3-(4-...	190	C10H7FN2O	306936-57-2	52
3	2,3,5,6-Tetramethylterephthalald...	190	C12H14O2	007072-01-7	47
4	2,2'-Bis(4,5-dimethylimidazole)	190	C10H14N4	069286-06-2	47
5	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	40





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Operator : JU/SJ
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Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : CS-8

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF032519.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

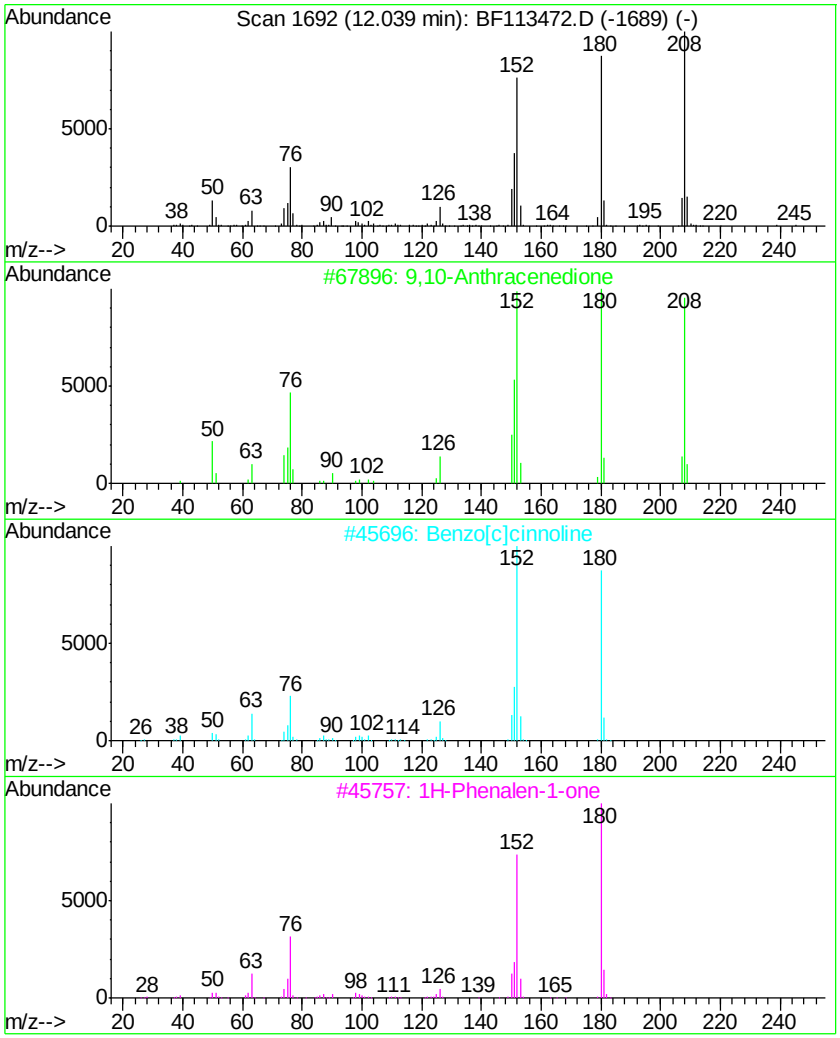
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

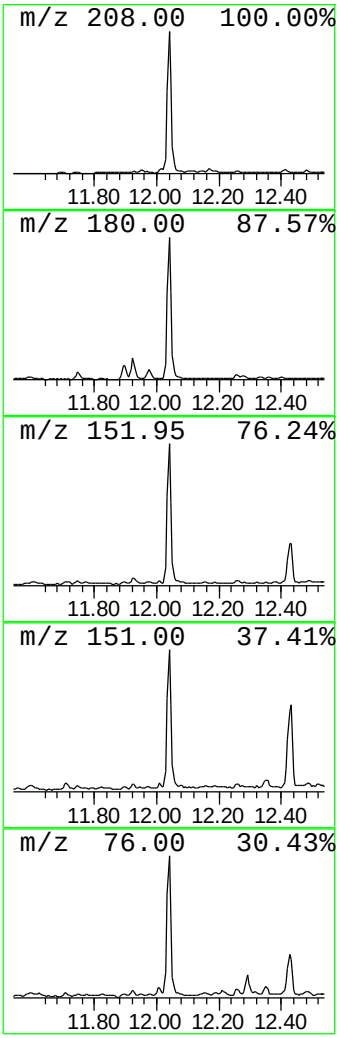
****

Peak Number 5 9,10-Anthracenedione Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.04	8.19 ng	514846	Phenanthrene-d10	11.22

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Anthracenedione	208	C14H8O2	000084-65-1	98
2	Benzo[c]cinnoline	180	C12H8N2	000230-17-1	70
3	1H-Phenalen-1-one	180	C13H8O	000548-39-0	64
4	1,4-Anthracenedione	208	C14H8O2	000635-12-1	58
5	9H-Fluoren-9-one	180	C13H8O	000486-25-9	53





Library Search Compound Report

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Data File : BF113472.D
Acq On : 1 Apr 2019 17:53
Operator : JU/SJ
Sample : K2056-02
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : CS-8

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF032519.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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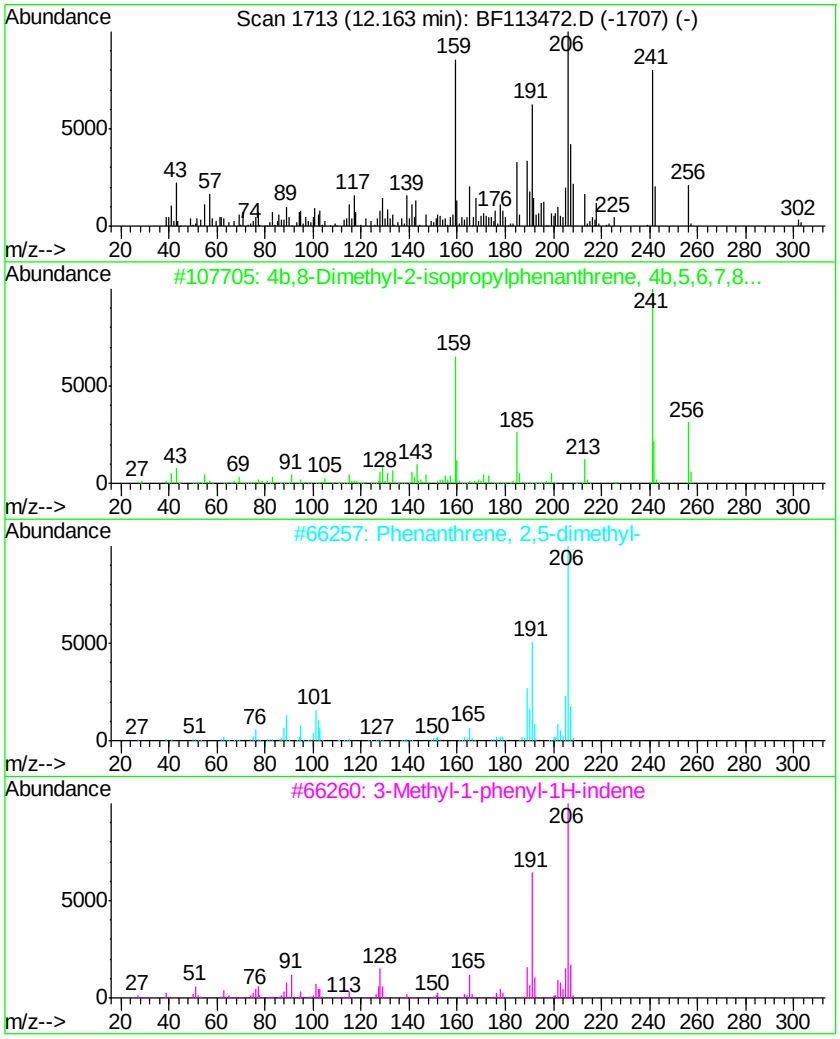
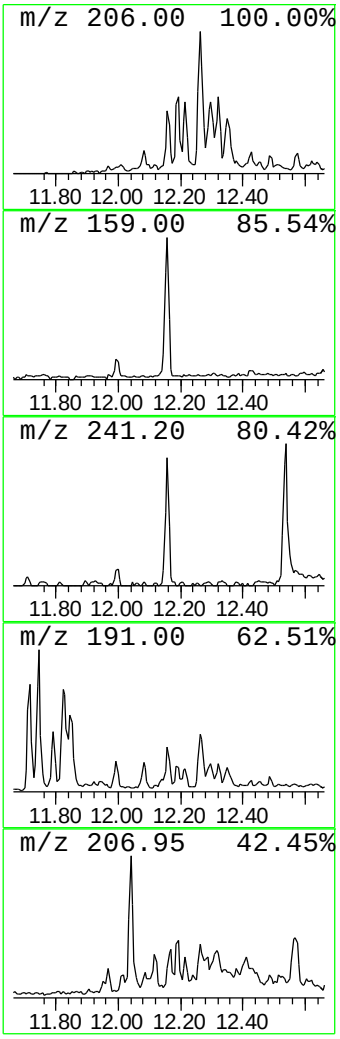
Peak Number 6 4b,8-Dimethyl-2-isopropylph... Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.16	3.14 ng	197614	Phenanthrene-d10	11.22

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4b,8-Dimethyl-2-isopropylphenant...	256	C19H28	1000197-14-1	93
2	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	58
3	3-Methyl-1-phenyl-1H-indene	206	C16H14	022360-63-0	56
4	Phenanthrene, 9,10-dimethyl-	206	C16H14	000604-83-1	45
5	1-Methyl-3-phenyl-1H-indene	206	C16H14	022360-62-9	44





Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF040119\
Data File : BF113472.D
Acq On : 1 Apr 2019 17:53
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Sample : K2056-02
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : CS-8

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF032519.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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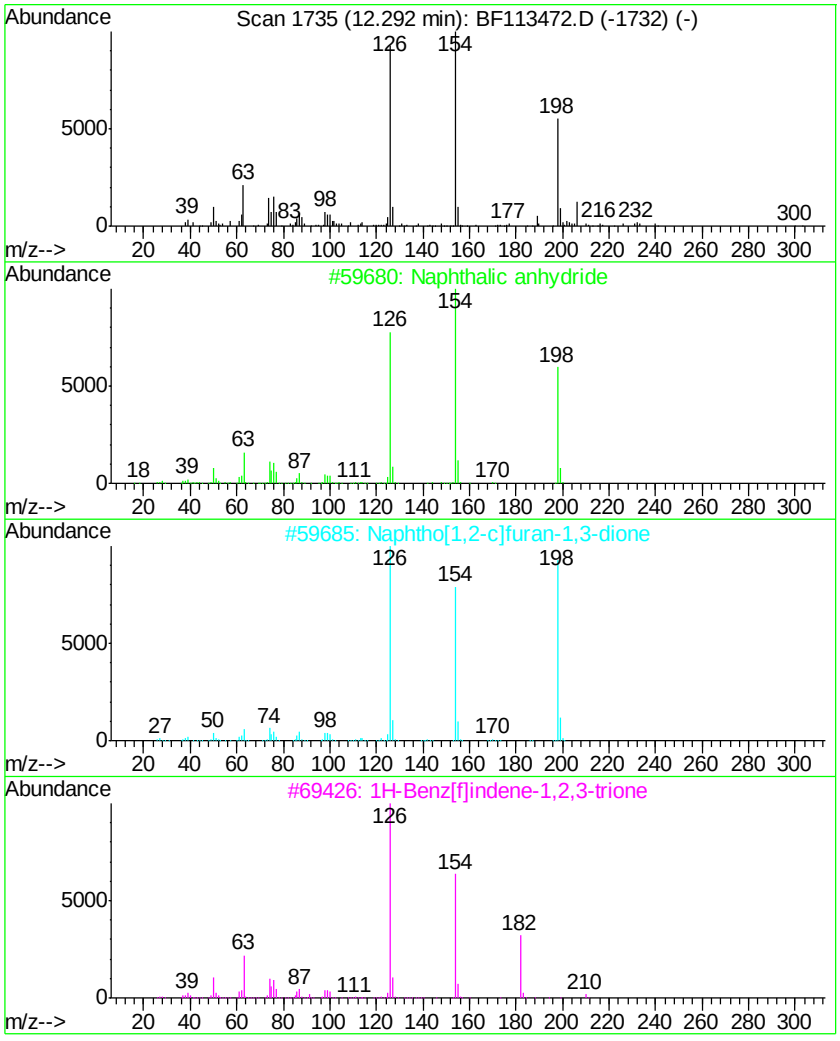
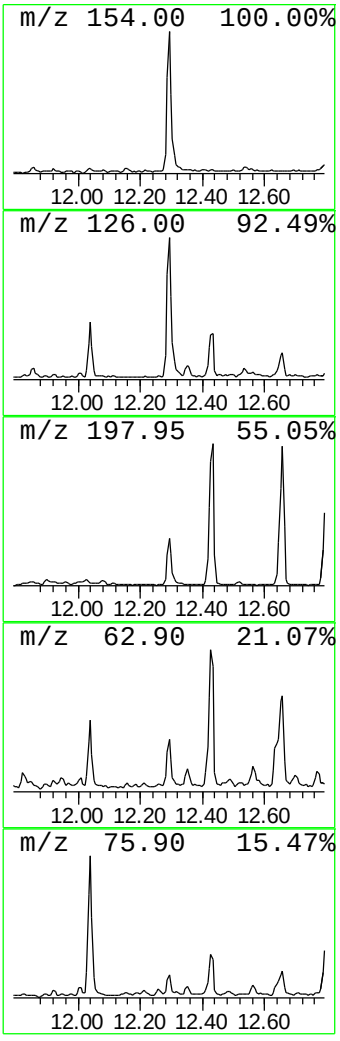
Peak Number 7 Naphthalic anhydride Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.29	3.82 ng	240266	Phenanthrene-d10	11.22

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalic anhydride	198	C12H6O3	000081-84-5	98
2	Naphtho[1,2-c]furan-1,3-dione	198	C12H6O3	005343-99-7	64
3	1H-Benz[f]indene-1,2,3-trione	210	C13H6O3	020927-01-9	60
4	Benzothiazole, 4,5,6,7-tetrahydr...	154	C7H10N2S	002933-29-1	50
5	1,4-Diethynylbenzene	126	C10H6	000935-14-8	49





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Operator : JU/SJ
Sample : K2056-02
Misc :
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ClientSampleId : CS-8

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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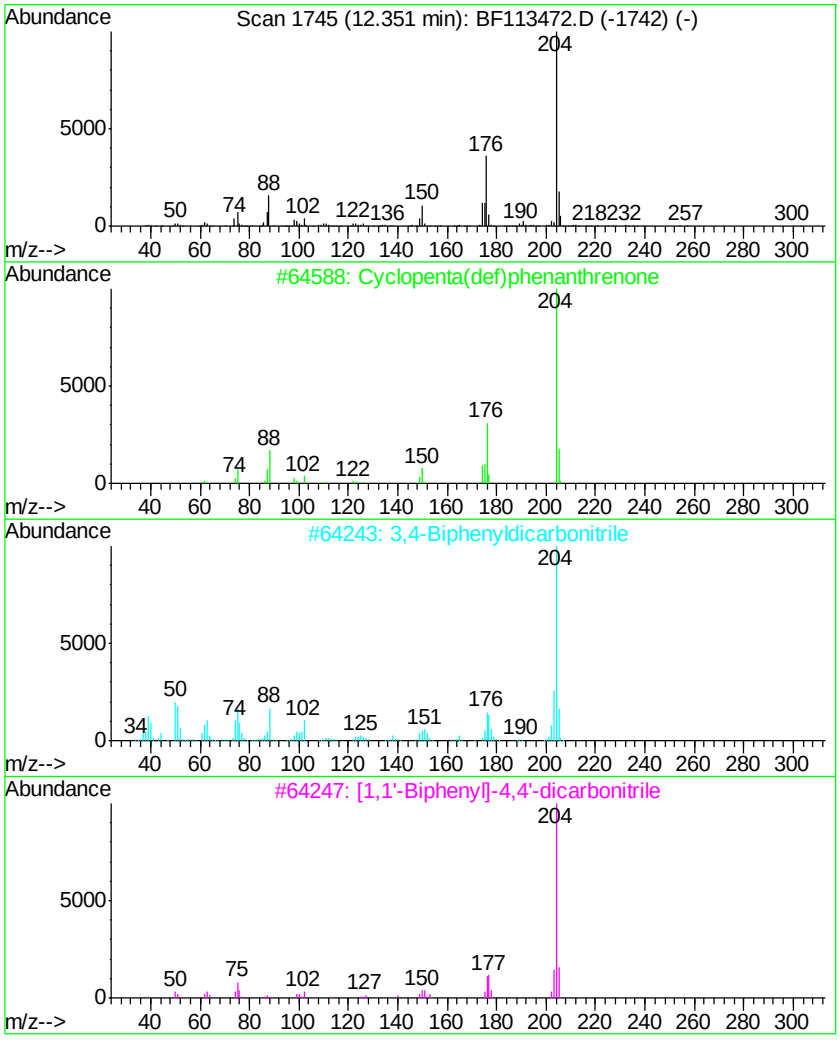
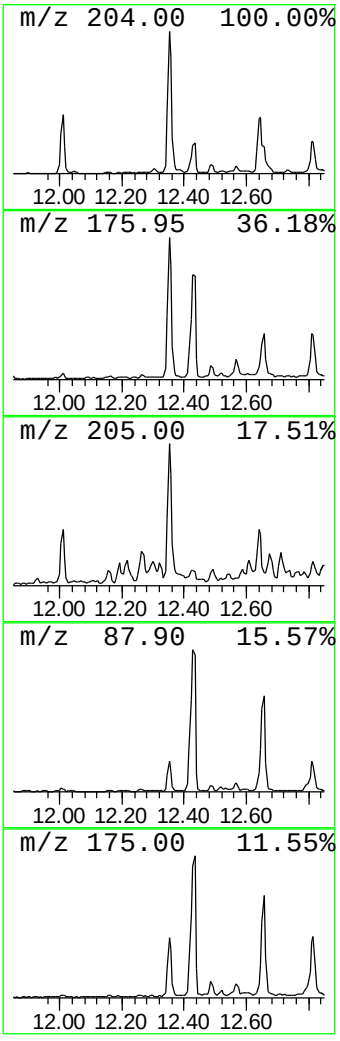
Peak Number 8 Cyclopenta(def)phenanthrenone Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.35	6.07 ng	381768	Phenanthrene-d10	11.22

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	97
2	3,4-Biphenyldicarbonitrile	204	C14H8N2	004128-63-6	50
3	[1,1'-Biphenyl]-4,4'-dicarbonitrile	204	C14H8N2	001591-30-6	49
4	Quinoline, 8-methoxy-5-nitro-	204	C10H8N2O3	1000298-88-7	47
5	1,2,4,8-Tetramethylbicyclo[6.3.0...	204	C15H24	137235-51-9	46





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Instrument : BNA_F
ClientSampleId : CS-8

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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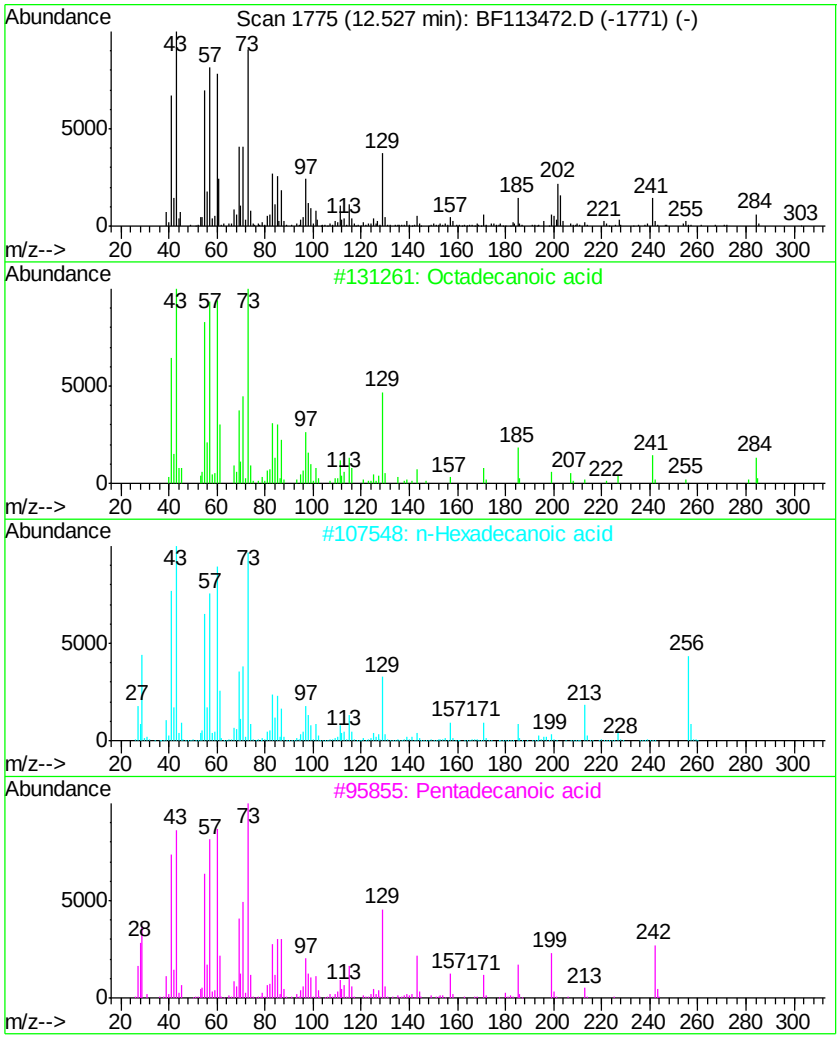
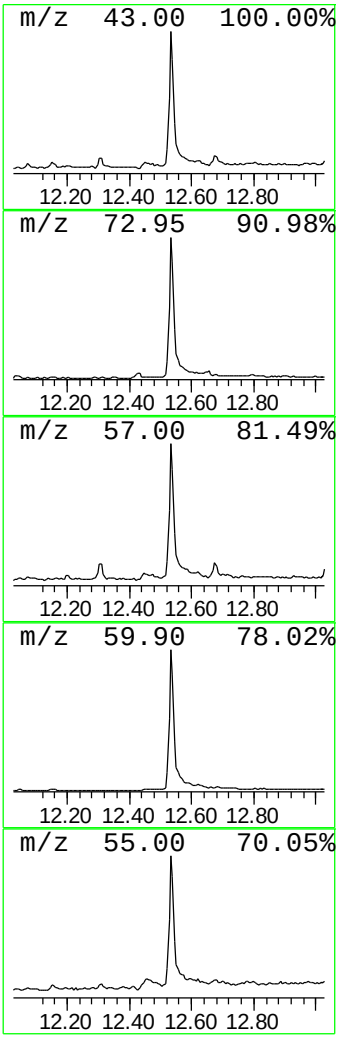
Peak Number 9 Octadecanoic acid Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.53	16.65 ng	1046720	Phenanthrene-d10	11.22

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octadecanoic acid	284	C18H36O2	000057-11-4	99
2	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	93
3	Pentadecanoic acid	242	C15H30O2	001002-84-2	93
4	Tetradecanoic acid	228	C14H28O2	000544-63-8	83
5	n-Decanoic acid	172	C10H20O2	000334-48-5	62





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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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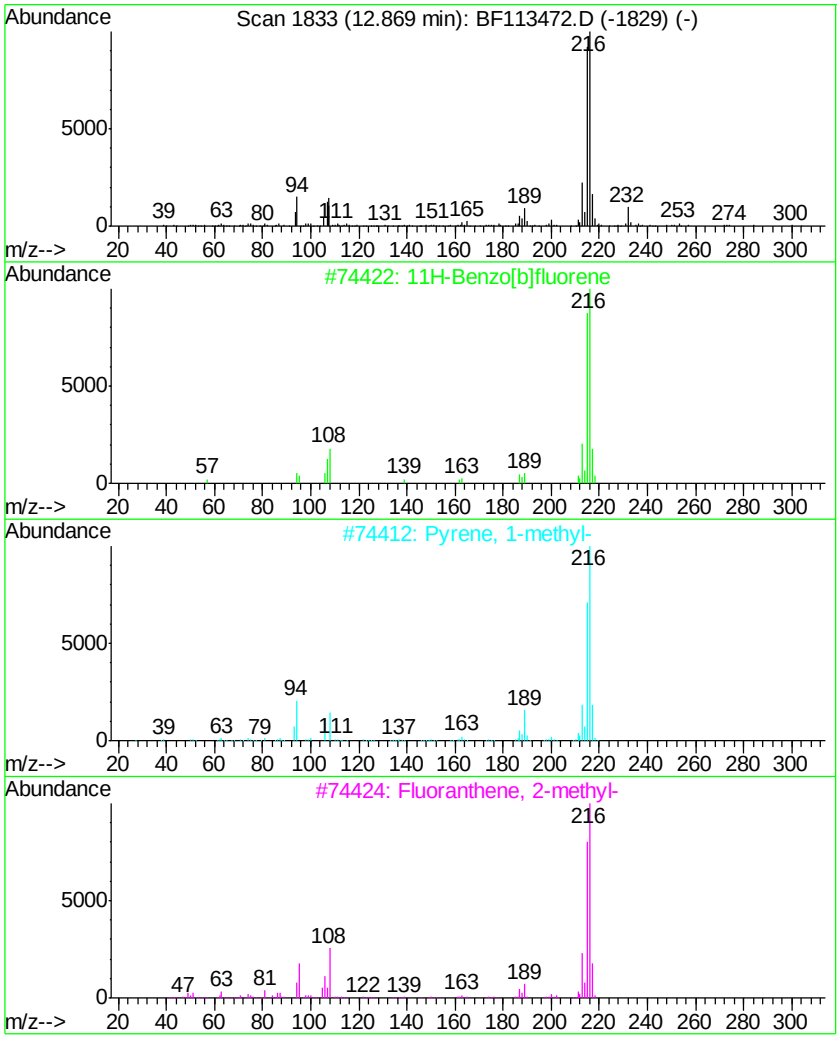
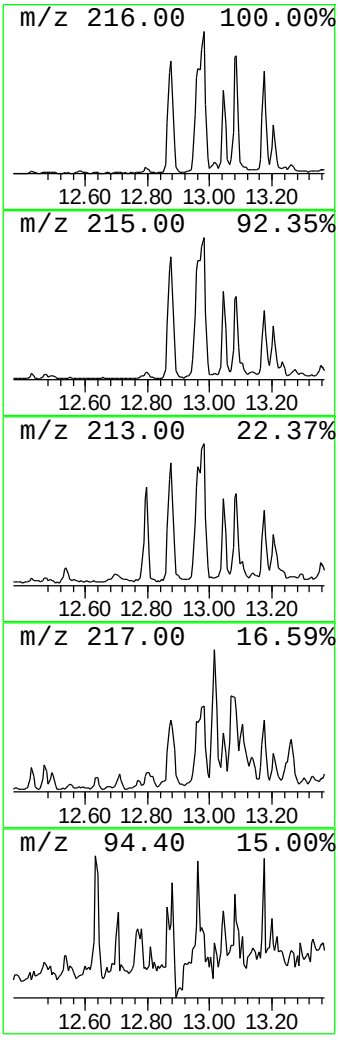
Peak Number 10 11H-Benzo[b]fluorene Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.87	2.96 ng	409648	Chrysene-d12	13.85

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	93
2	Pyrene, 1-methyl-	216	C17H12	002381-21-7	91
3	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	90
4	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	76
5	7H-Benzo[c]fluorene	216	C17H12	000205-12-9	68





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ClientSampleId : CS-8

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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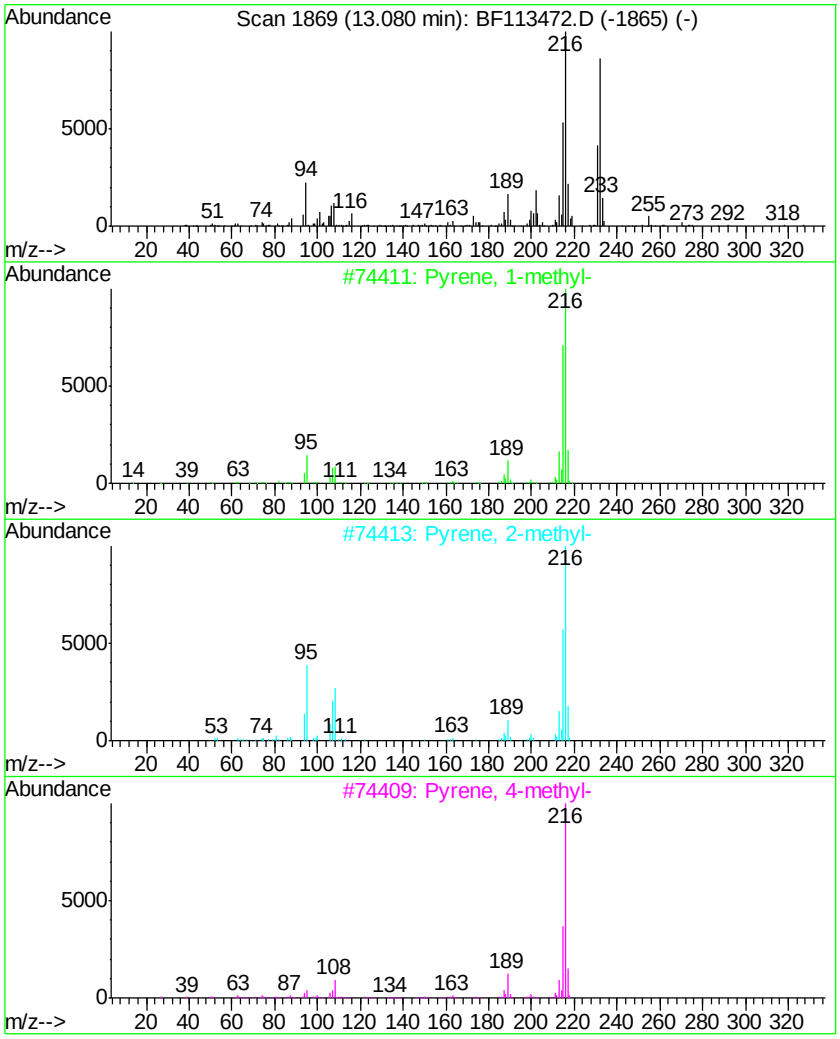
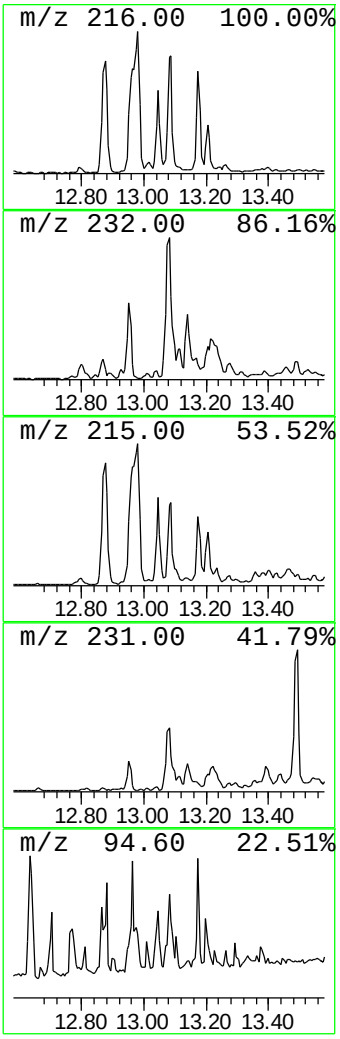
Peak Number 11 Pyrene, 1-methyl- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.08	2.97 ng	411212	Chrysene-d12	13.85

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	89
2	Pyrene, 2-methyl-	216	C17H12	003442-78-2	86
3	Pyrene, 4-methyl-	216	C17H12	003353-12-6	86
4	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	83
5	1-Pyrenemethanol	232	C17H12O	024463-15-8	45





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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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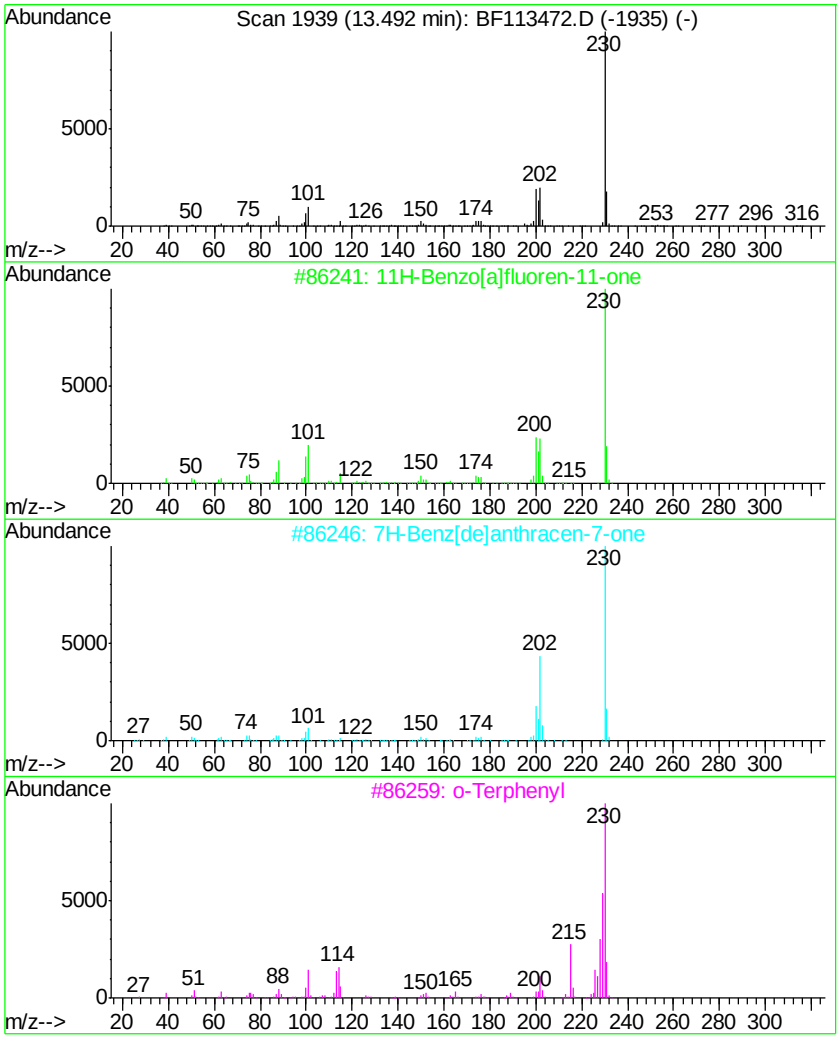
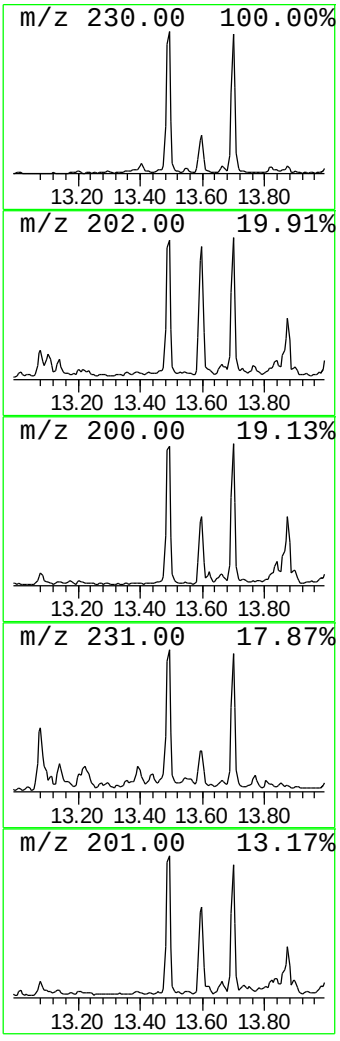
Peak Number 12 7H-Benz[de]anthracen-7-one Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.49	6.55 ng	908255	Chrysene-d12	13.85

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[a]fluoren-11-one	230	C17H10O	000479-79-8	97
2	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	90
3	o-Terphenyl	230	C18H14	000084-15-1	64
4	Ferrocene, (2-hydroxyethyl)-	230	C12H14FeO	001273-90-1	53
5	4-Methoxy-2-(p-methoxyphenyl)-6-...	230	C13H14N2O2	063896-93-5	50





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Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : CS-8

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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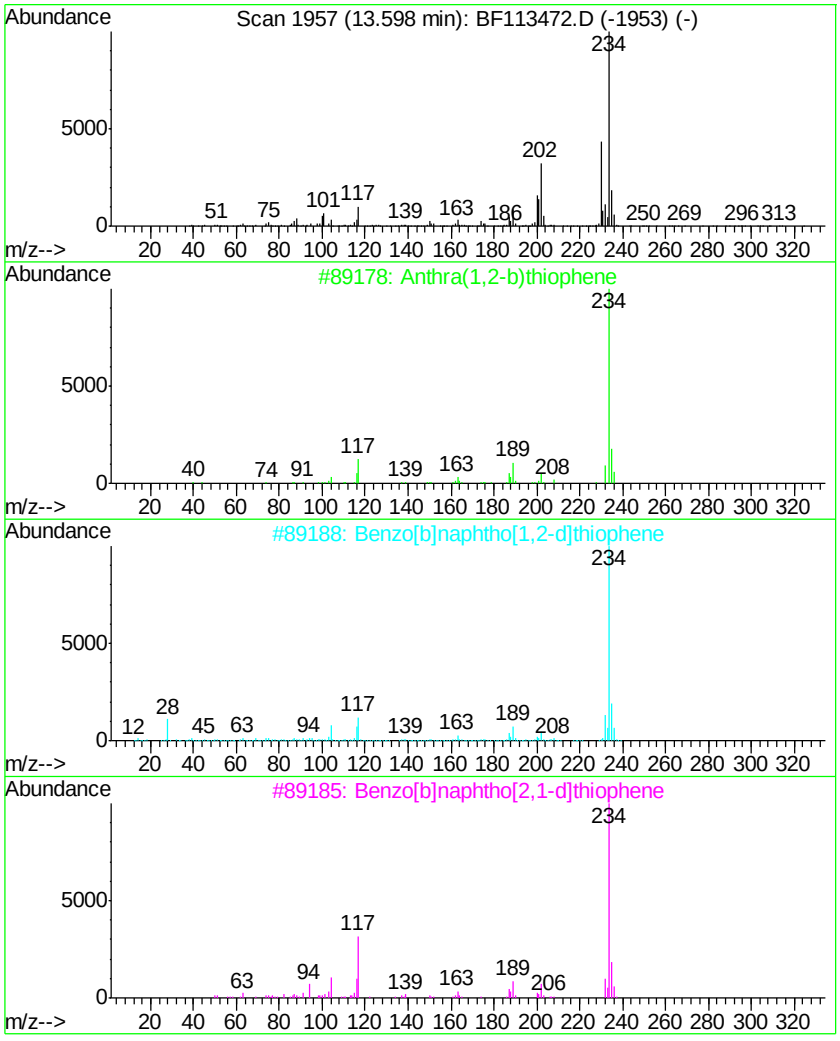
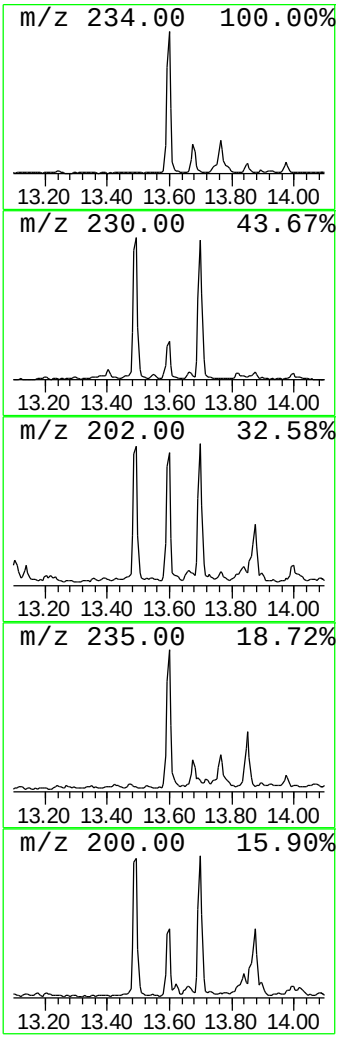
Peak Number 13 Anthra(1,2-b)thiophene Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.60	5.32 ng	737675	Chrysene-d12	13.85

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthra(1,2-b)thiophene	234	C16H10S	000227-86-1	78
2	Benzo[b]naphtho[1,2-d]thiophene	234	C16H10S	000205-43-6	70
3	Benzo[b]naphtho[2,1-d]thiophene	234	C16H10S	000239-35-0	53
4	Benzo[b]naphtho[2,3-d]thiophene	234	C16H10S	000243-46-9	49
5	Quinoxalino[2,3-b]quinoxaline, 5...	234	C14H10N4	000531-46-4	43





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Misc :
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Instrument : BNA_F
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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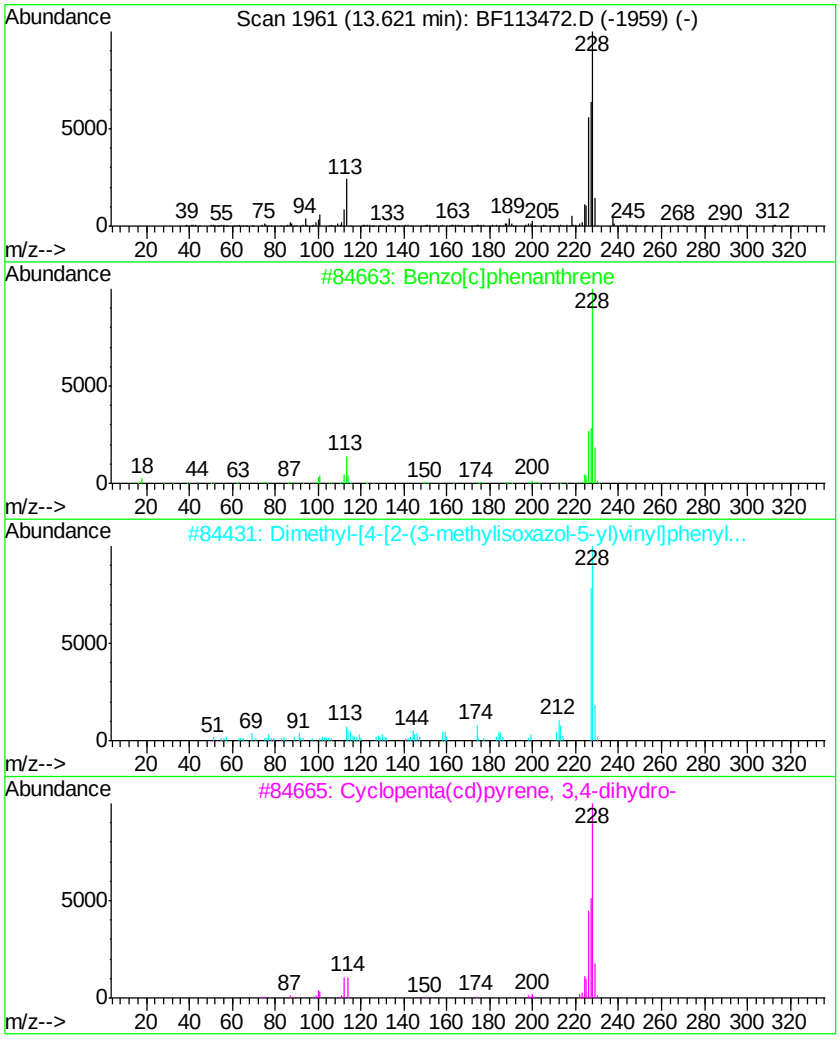
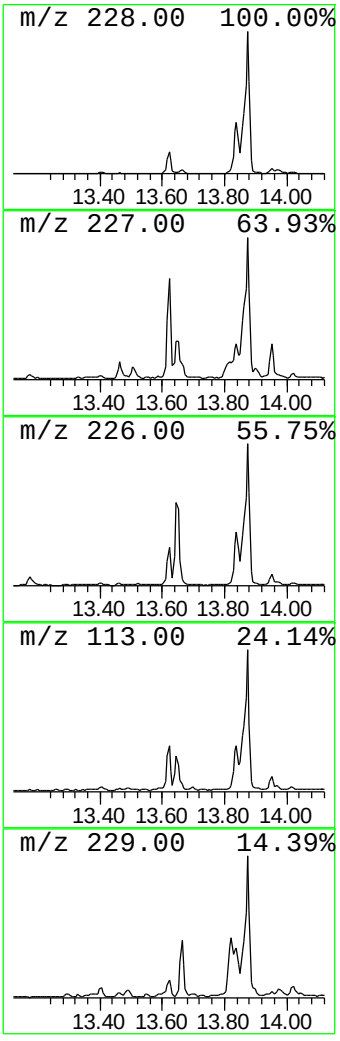
Peak Number 14 Benzo[c]phenanthrene Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.62	2.88 ng	399100	Chrysene-d12	13.85

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[c]phenanthrene	228	C18H12	000195-19-7	58
2	Dimethyl-[4-[2-(3-methylisoxazol...	228	C14H16N2O	1000306-39-6	47
3	Cyclopenta(cd)pyrene, 3,4-dihydro-	228	C18H12	025732-74-5	47
4	Pyrazole-4-carboxaldehyde-, 3,5-...	228	C14H16N2O	1000272-54-8	47
5	Triphenylene	228	C18H12	000217-59-4	38





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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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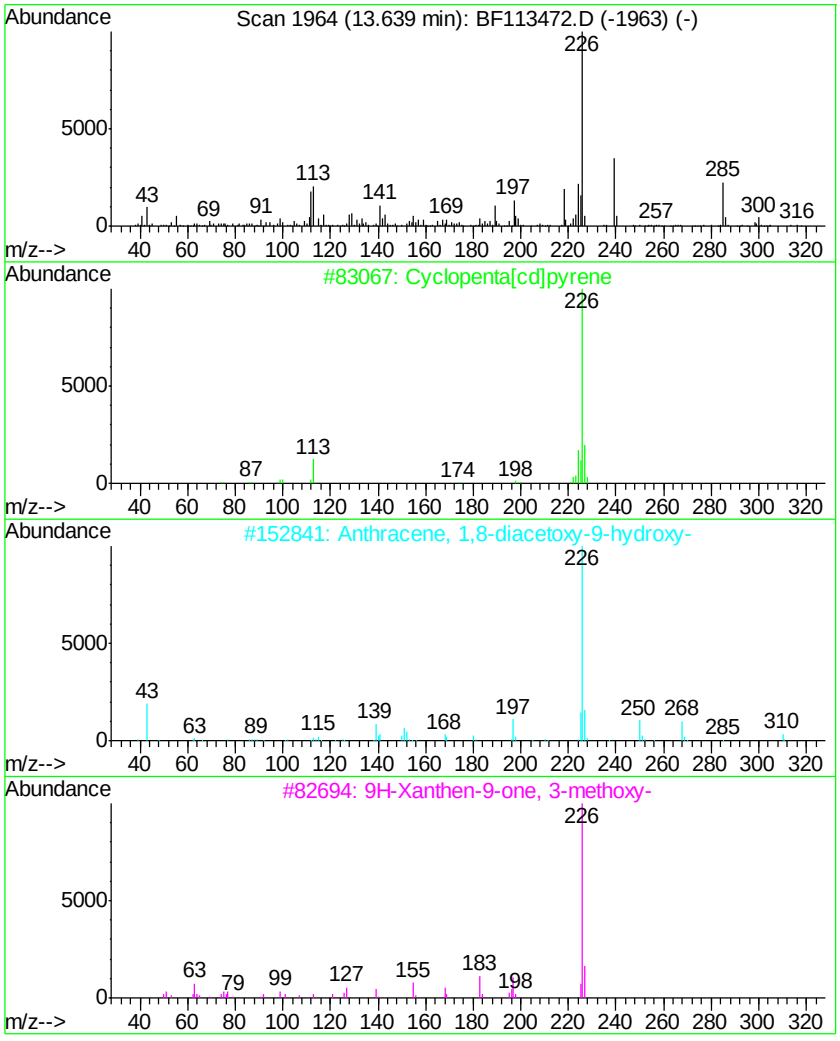
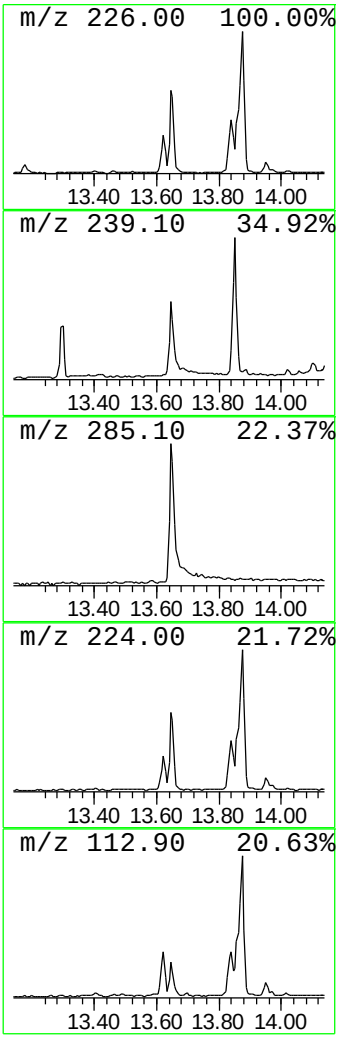
Peak Number 15 Cyclopenta[cd]pyrene Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.64	5.79 ng	802027	Chrysene-d12	13.85

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta[cd]pyrene	226	C18H10	027208-37-3	55
2	Anthracene, 1,8-diacetoxy-9-hydr...	310	C18H14O5	1000374-77-6	47
3	9H-Xanthen-9-one, 3-methoxy-	226	C14H10O3	003722-52-9	43
4	1-Piperidineacetonitrile, .alpha...	226	C15H18N2	022915-20-4	43
5	1(2H)-Naphthalenone, octahydro-8...	254	C18H22O	017429-44-6	38





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TIC Integration Parameters: LSCINT.P

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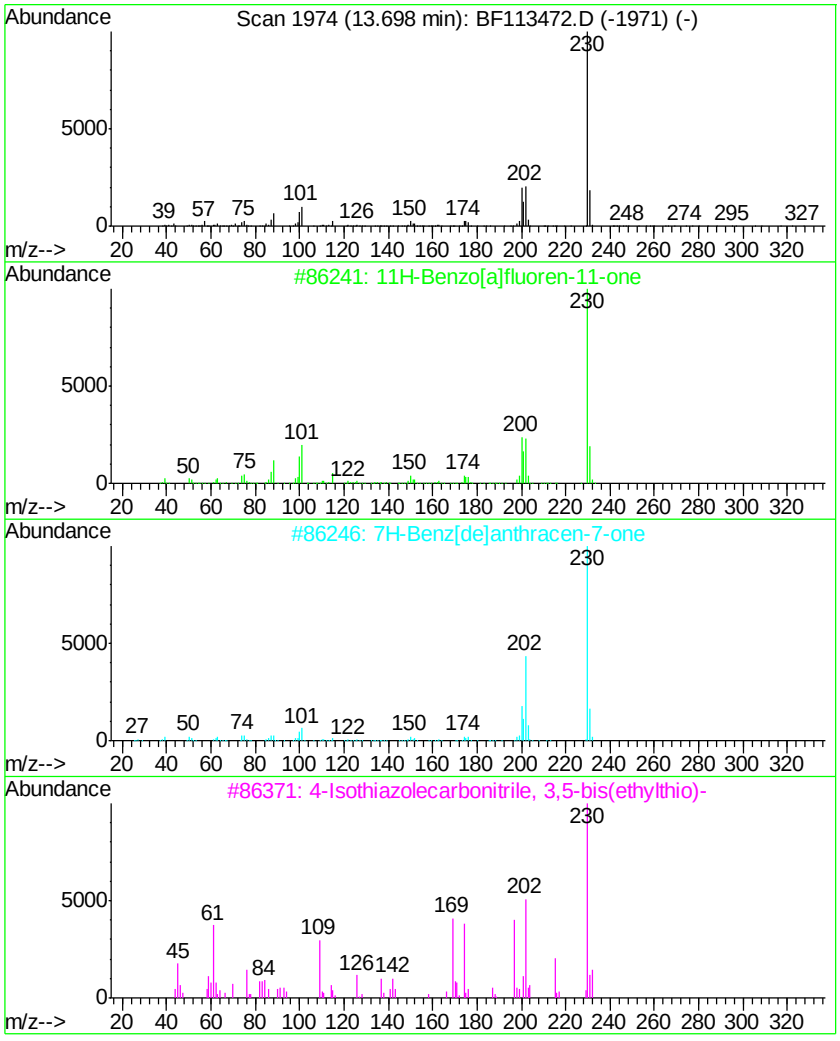
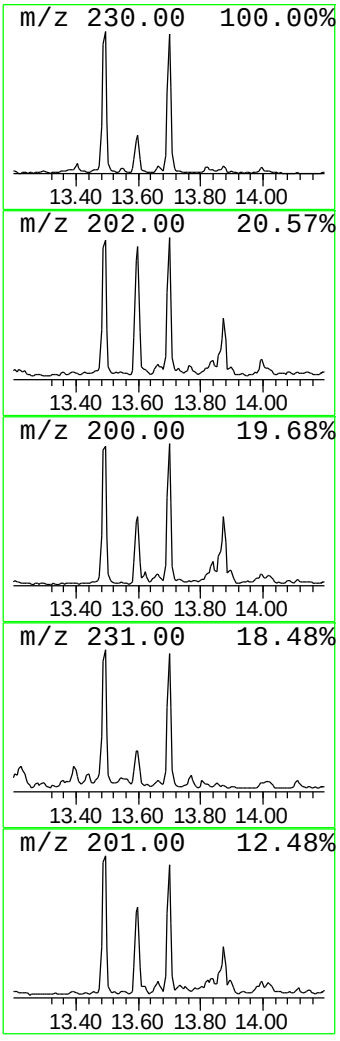
Peak Number 16 11H-Benzo[a]fluoren-11-one Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.70	4.98 ng	689643	Chrysene-d12	13.85

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	91
3	4-Isothiazolecarbonitrile, 3,5-b...	230	C8H10N2S3	024135-13-5	59
4	1-Pyrenecarboxaldehyde	230	C17H10O	003029-19-4	56
5	o-Terphenyl	230	C18H14	000084-15-1	53





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TIC Integration Parameters: LSCINT.P

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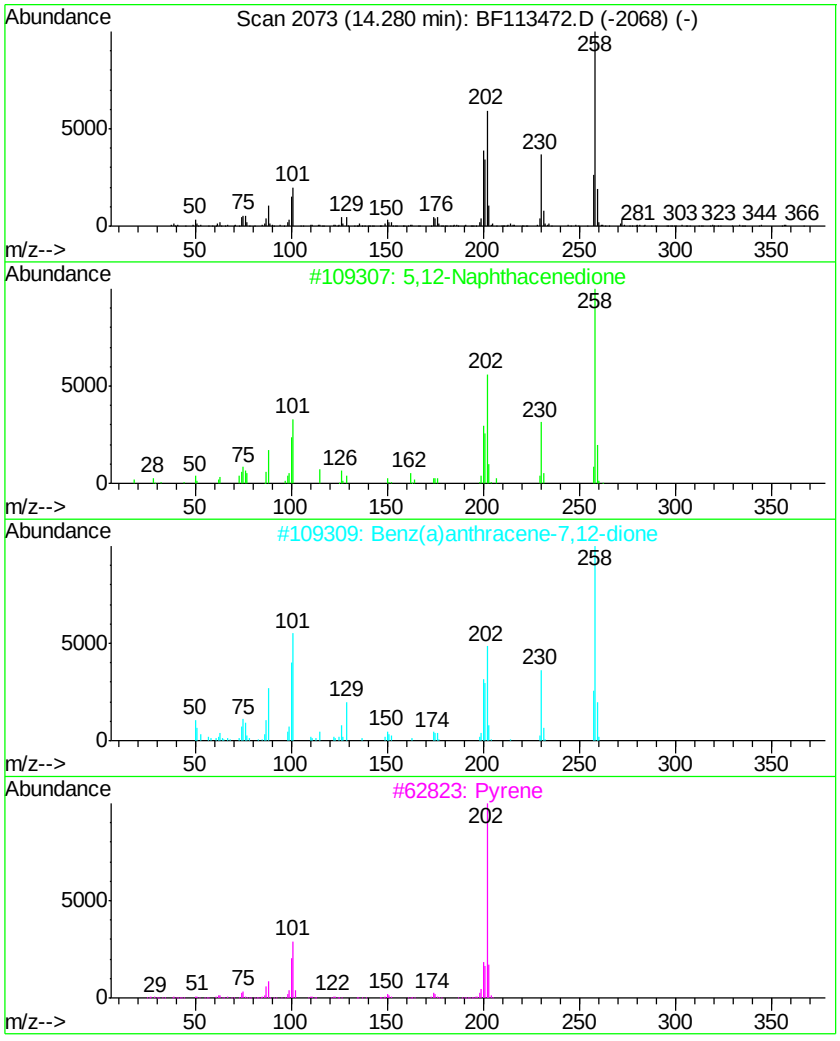
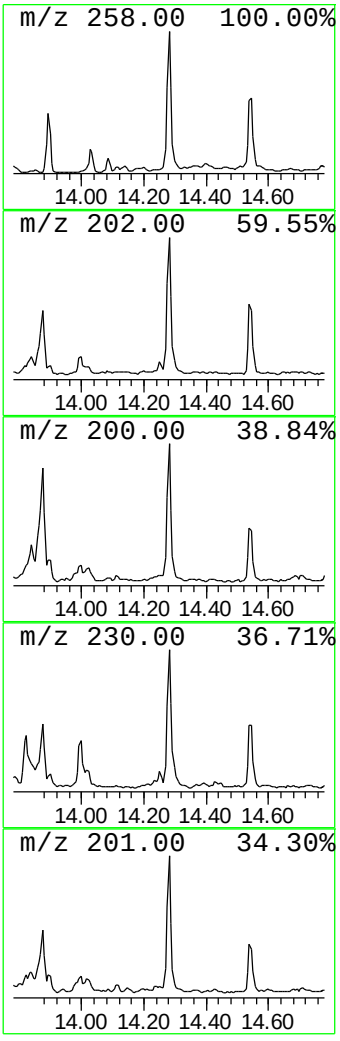
Peak Number 17 5,12-Naphthacenedione Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.28	3.58 ng	496891	Chrysene-d12	13.85

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	5,12-Naphthacenedione	258	C18H10O2	001090-13-7	95
2	Benz(a)anthracene-7,12-dione	258	C18H10O2	002498-66-0	93
3	Pyrene	202	C16H10	000129-00-0	60
4	Benzo[h]chroman, 2,2-dimethyl-5-...	300	C18H20O4	1000129-11-3	47
5	Fluoranthene	202	C16H10	000206-44-0	43





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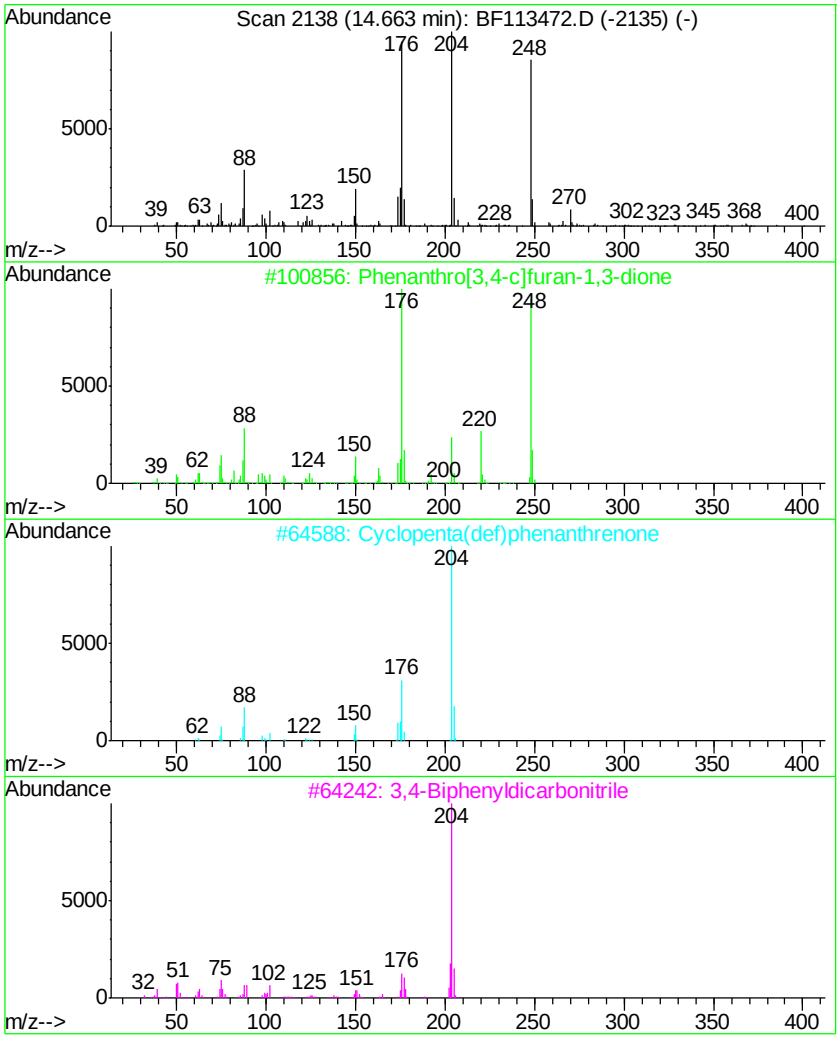
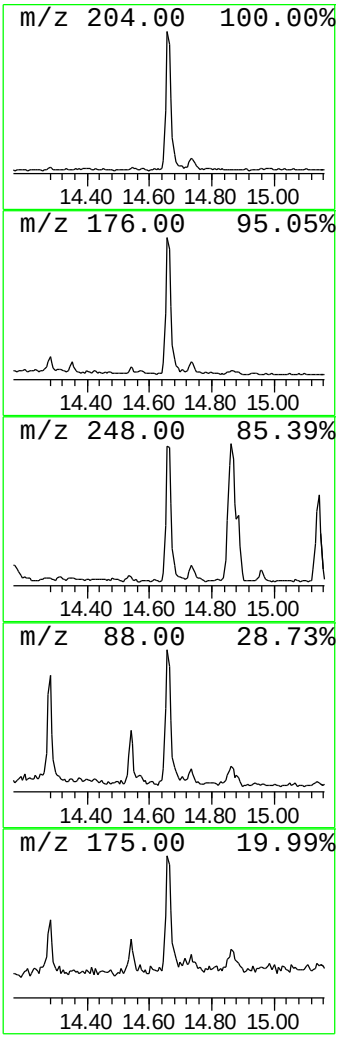
Peak Number 18 Phenanthro[3,4-c]furan-1,3-... Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.66	3.79 ng	211841	Perylene-d12	15.26

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthro[3,4-c]furan-1,3-dione	248	C16H8O3	005723-54-6	68
2	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	43
3	3,4-Biphenyldicarbonitrile	204	C14H8N2	004128-63-6	38
4	Aceanthrenequinone	232	C16H8O2	006373-11-1	38
5	[1,1'-Biphenyl]-4,4'-dicarbonitrile	204	C14H8N2	001591-30-6	25





Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF040119\
Data File : BF113472.D
Acq On : 1 Apr 2019 17:53
Operator : JU/SJ
Sample : K2056-02
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : CS-8

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF032519.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

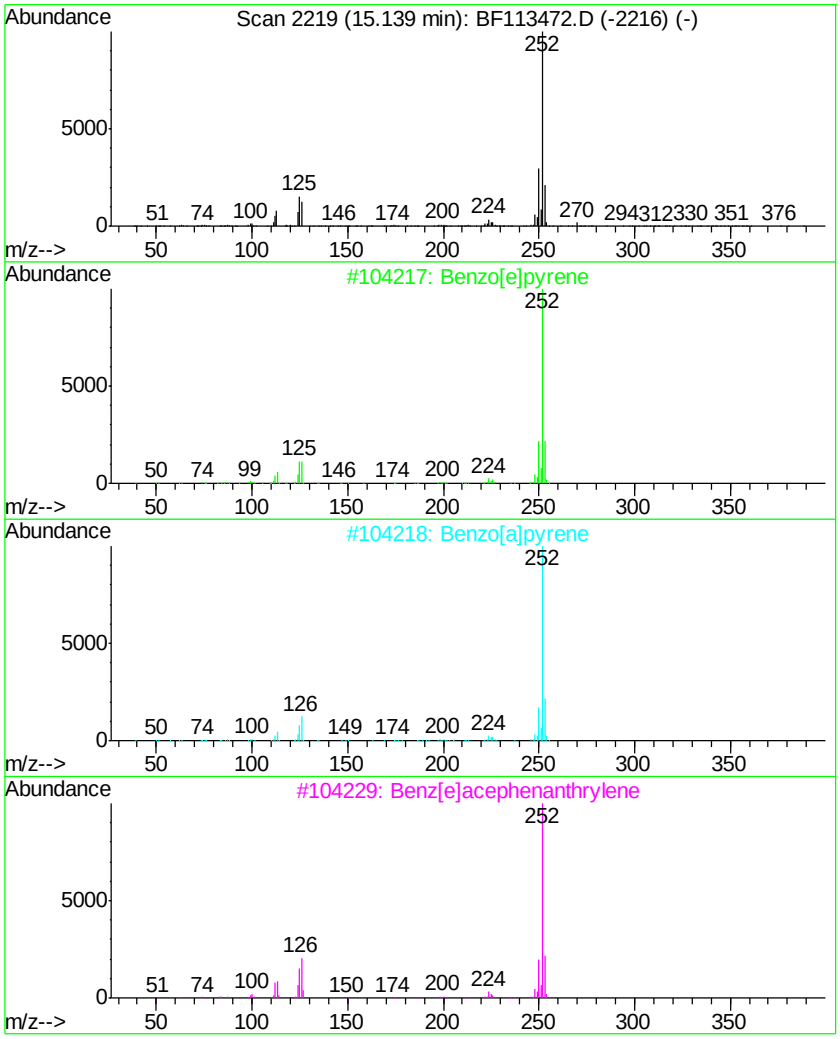
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

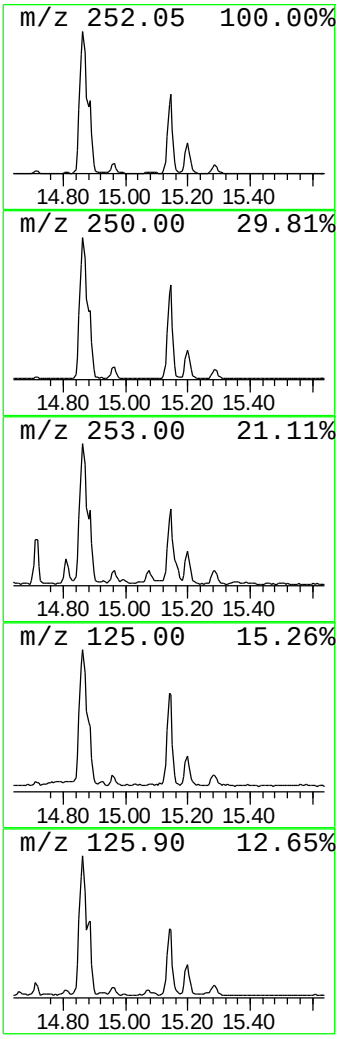
****

Peak Number 19 Benzo[e]pyrene Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.14	19.12 ng	1068990	Perylene-d12	15.26

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	98
2	Benzo[a]pyrene	252	C20H12	000050-32-8	98
3	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	94
4	Benzo[k]fluoranthene	252	C20H12	000207-08-9	93
5	Perylene	252	C20H12	000198-55-0	91





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF040119\
Data File : BF113472.D
Acq On : 1 Apr 2019 17:53
Operator : JU/SJ
Sample : K2056-02
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : CS-8

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF032519.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

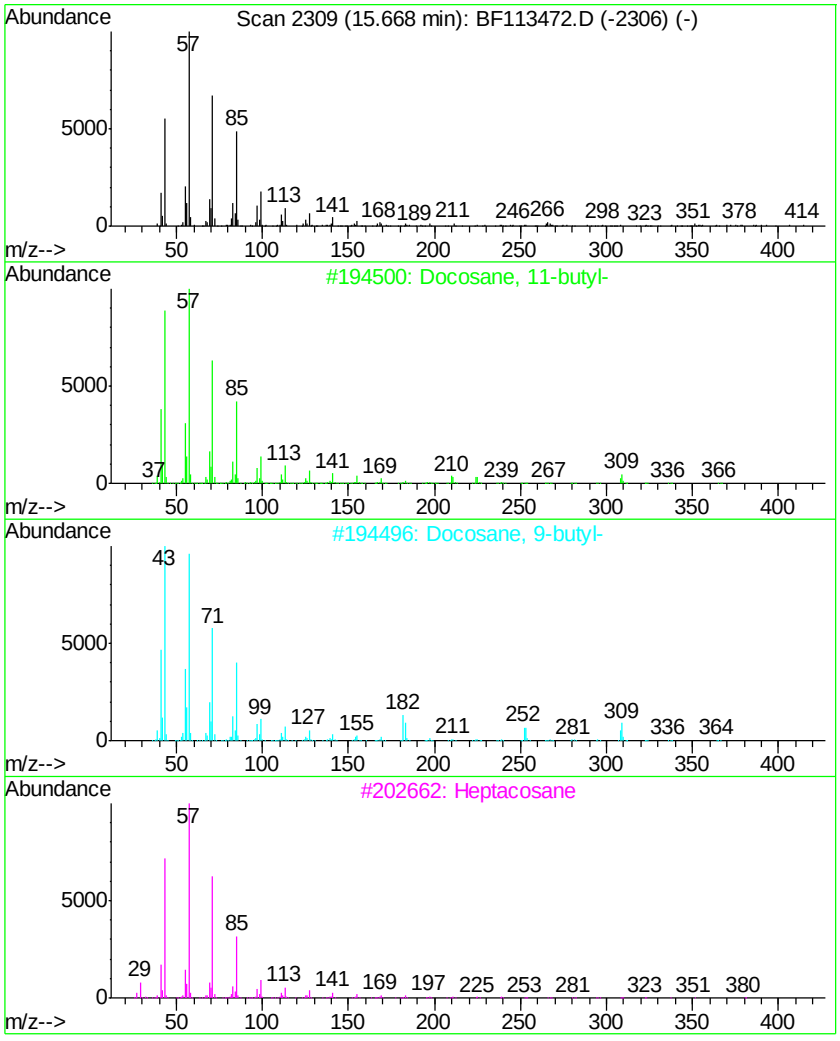
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

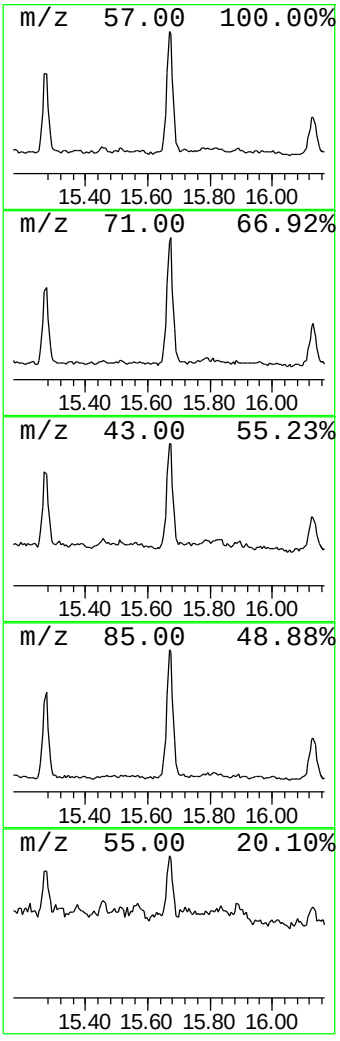
****

Peak Number 20 Docosane, 11-butyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.67	4.93 ng	275809	Perylene-d12	15.26

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Docosane, 11-butyl-	366	C26H54	013475-76-8	94
2	Docosane, 9-butyl-	366	C26H54	055282-14-9	93
3	Heptacosane	380	C27H56	000593-49-7	93
4	Tetracosane	338	C24H50	000646-31-1	93
5	Heneicosane	296	C21H44	000629-94-7	90





Tentatively Identified Compound (LSC) summary

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF040119\
Data File : BF113472.D
Acq On : 1 Apr 2019 17:53
Operator : JU/SJ
Sample : K2056-02
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : CS-8

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF032519.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
unknown6.48	6.48	70.9	ng	2727160	1	6.70	769774	20.0
n-Hexadecanoic acid	11.75	12.6	ng	793003	4	11.22	1257680	20.0
4H-Cyclopenta[def...	11.83	4.4	ng	276401	4	11.22	1257680	20.0
9,10-Anthracenedione	12.04	8.2	ng	514846	4	11.22	1257680	20.0
4b,8-Dimethyl-2-i...	12.16	3.1	ng	197614	4	11.22	1257680	20.0
Naphthalic anhydride	12.29	3.8	ng	240266	4	11.22	1257680	20.0
Cyclopenta(def)ph...	12.35	6.1	ng	381768	4	11.22	1257680	20.0
Octadecanoic acid	12.53	16.6	ng	1046720	4	11.22	1257680	20.0
11H-Benzo[b]fluorene	12.87	3.0	ng	409648	5	13.85	2772390	20.0
Pyrene, 1-methyl-	13.08	3.0	ng	411212	5	13.85	2772390	20.0
7H-Benz[de]anthra...	13.49	6.5	ng	908255	5	13.85	2772390	20.0
Anthra(1,2-b)thio...	13.60	5.3	ng	737675	5	13.85	2772390	20.0
Benzo[c]phenanthrene	13.62	2.9	ng	399100	5	13.85	2772390	20.0
Cyclopenta[cd]pyrene	13.64	5.8	ng	802027	5	13.85	2772390	20.0
11H-Benzo[a]fluor...	13.70	5.0	ng	689643	5	13.85	2772390	20.0
5,12-Naphthacened...	14.28	3.6	ng	496891	5	13.85	2772390	20.0
Phenanthro[3,4-c]...	14.66	3.8	ng	211841	6	15.26	1118360	20.0
Benzo[e]pyrene	15.14	19.1	ng	1068990	6	15.26	1118360	20.0
Docosane, 11-butyl-	15.67	4.9	ng	275809	6	15.26	1118360	20.0