LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF040219\
Data File : BF113509.D
Acq On : 2 Apr 2019 16:53
Operator : JU/SJ
Sample : K2179-11
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId :

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	5.310	544	548	569	rBV	3208216	3488480	88.07%	5.548%
2	6.345	719	724	727	rBV	3460957	3785975	95.58%	6.021%
3	6.469	740	745	748	rBV	3866585	3707697	93.60%	5.896%
4	6.692	779	783	791	rBV	1050372	906395	22.88%	1.441%
5	6.851	805	810	813	rBV	2910133	2764609	69.79%	4.397%
6	7.257	874	879	882	rBV	2467025	2504656	63.23%	3.983%
7	7.975	997	1001	1003	rBV	1269495	1142067	28.83%	1.816%
8	7.992	1003	1004	1011	rVB	130500	109138	2.76%	0.174%
9	8.686	1118	1122	1129	rVB	58410	63015	1.59%	0.100%
10	9.045	1178	1183	1186	rBV	3986945	3626445	91.55%	5.767%
11	9.439	1247	1250	1254	rBV	464634	380845	9.61%	0.606%
12	9.580	1269	1274	1281	rBV	208560	181373	4.58%	0.288%
13	9.716	1290	1297	1301	rBV	1350764	1327961	33.52%	2.112%
14	9.922	1329	1332	1337	rBV	92351	86539	2.18%	0.138%
15	10.510	1427	1432	1435	rBV	2747274	2535449	64.01%	4.032%
16	10.633	1449	1453	1459	rVB3	66027	88328	2.23%	0.140%
17	11.010	1514	1517	1521	rBV	96346	90140	2.28%	0.143%
18	11.098	1530	1532	1537	rVB2	35073	47394	1.20%	0.075%
19	11.145	1537	1540	1545	rBV2	43056	52464	1.32%	0.083%
20	11.198	1545	1549	1551	rBV	1487965	1241624	31.34%	1.975%
21	11.221	1551	1553	1556	rVV	429138	337668	8.52%	0.537%
22	11.274	1558	1562	1565	rVB	290127	257285	6.50%	0.409%
23	11.310	1565	1568	1571	rBV2	48782	50299	1.27%	0.080%
24	11.427	1583	1588	1591	rBV2	260050	288526	7.28%	0.459%
25	11.498	1596	1600	1603	rVV3	53429	74964	1.89%	0.119%
26	11.698	1631	1634	1636	rVV2	96743	81708	2.06%	0.130%
27	11.739	1636	1641	1645	rBV2	556787	641839	16.20%	1.021%
28	11.774	1645	1647	1650	rVB2	66689	54558	1.38%	0.087%
29	11.810	1650	1653	1656	rBV	140009	143678	3.63%	0.228%
30	11.880	1662	1665	1667	rBV	62791	61905	1.56%	0.098%
31	11.904	1667	1669	1672	rVV2	67288	64800	1.64%	0.103%
32	11.992	1681	1684	1687	rVV	91833	75004	1.89%	0.119%
33	12.021	1687	1689	1693	rVB	198268	179875	4.54%	0.286%
34	12.139	1704	1709	1713	rBV4	78432	108487	2.74%	0.173%

LSC Area Percent Report

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Acq On : 2 Apr 2019 16:53
Operator : JU/SJ
Sample : K2179-11
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId :

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	12.174	1713	1715	1717	rVV	61374	51596	1.30%	0.082%
36	12.251	1724	1728	1730	rBV	113953	130544	3.30%	0.208%
37	12.274	1730	1732	1739	rVB4	85650	160508	4.05%	0.255%
38	12.333	1739	1742	1746	rBV	217441	212626	5.37%	0.338%
39	12.410	1751	1755	1758	rBV	2509557	2208272	55.75%	3.512%
40	12.474	1764	1766	1769	rVB2	67641	52945	1.34%	0.084%
41	12.515	1769	1773	1777	rBV2	149424	242260	6.12%	0.385%
42	12.551	1777	1779	1782	rVB3	98022	105094	2.65%	0.167%
43	12.639	1788	1794	1797	rBV	2385895	2527408	63.80%	4.019%
44	12.686	1800	1802	1807	rVB2	123078	149375	3.77%	0.238%
45	12.757	1810	1814	1815	rBV	156458	165436	4.18%	0.263%
46	12.780	1815	1818	1825	rVB	2969587	2930155	73.97%	4.660%
47	12.857	1826	1831	1834	rBV3	240769	347399	8.77%	0.552%
48	12.886	1834	1836	1838	rVB	85063	57833	1.46%	0.092%
49	12.939	1842	1845	1848	rBV4	235809	350273	8.84%	0.557%
50	13.027	1856	1860	1863	rBV3	101673	123906	3.13%	0.197%
51	13.068	1863	1867	1869	rBV2	355444	372456	9.40%	0.592%
52	13.121	1874	1876	1879	rVB	59182	54538	1.38%	0.087%
53	13.157	1879	1882	1885	rBV	210362	200977	5.07%	0.320%
54	13.192	1885	1888	1892	rBV2	142860	175106	4.42%	0.278%
55	13.280	1901	1903	1906	rVB2	70750	60465	1.53%	0.096%
56	13.345	1911	1914	1915	rVV2	73404	79806	2.01%	0.127%
57	13.386	1919	1921	1923	rVV2	77521	60393	1.52%	0.096%
58	13.410	1923	1925	1928	rVB4	55887	48539	1.23%	0.077%
59	13.451	1929	1932	1933	rBV	54099	50407	1.27%	0.080%
60	13.474	1933	1936	1940	rVB	530877	463922	11.71%	0.738%
61	13.539	1943	1947	1950	rBV3	76693	105130	2.65%	0.167%
62	13.580	1950	1954	1956	rBV	452220	444344	11.22%	0.707%
63	13.604	1956	1958	1961	rVV	253921	242798	6.13%	0.386%
64	13.633	1961	1963	1969	rVB3	385615	423517	10.69%	0.674%
65	13.680	1969	1971	1974	rBV	404845	405995	10.25%	0.646%
66	13.715	1974	1977	1981	rVB	211506	253061	6.39%	0.402%
67	13.827	1989	1996	1999	rBV2	1448942	2582469	65.19%	4.107%
68	13.857	1999	2001	2004	rVB	1444432	1340902	33.85%	2.132%
69	13.921	2009	2012	2013	rBV	65695	62834	1.59%	0.100%
70	13.957	2016	2018	2020	rVV2	95536	88201	2.23%	0.140%
71	13.998	2023	2025	2028	rVV3	185685	219201	5.53%	0.349%

LSC Area Percent Report

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Operator : JU/SJ
Sample : K2179-11
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId :

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

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

72	14.045	2031	2033	2038	rVB2	131040	193721	4.89%	0.308%
73	14.092	2038	2041	2044	rBV2	107500	104733	2.64%	0.167%
74	14.180	2053	2056	2058	rBV2	140615	145095	3.66%	0.231%
75	14.215	2058	2062	2065	rVV	333198	407981	10.30%	0.649%
76	14.262	2065	2070	2073	rVV2	231359	401557	10.14%	0.639%
77	14.304	2074	2077	2080	rVB3	194586	229678	5.80%	0.365%
78	14.339	2080	2083	2085	rBV3	219176	203219	5.13%	0.323%
79	14.409	2093	2095	2101	rVB2	159769	189214	4.78%	0.301%
80	14.527	2112	2115	2119	rBV2	177158	192371	4.86%	0.306%
81	14.598	2124	2127	2131	rBV3	157727	151357	3.82%	0.241%
82	14.645	2133	2135	2137	rBV	85834	82798	2.09%	0.132%
83	14.692	2141	2143	2147	rVB3	195495	199840	5.04%	0.318%
84	14.774	2154	2157	2159	rBV	80614	63401	1.60%	0.101%
85	14.851	2164	2170	2176	rBV	2142566	3961223	100.00%	6.300%
86	14.909	2177	2180	2183	rVV2	315847	314940	7.95%	0.501%
87	14.945	2183	2186	2189	rVB	289238	282990	7.14%	0.450%
88	15.027	2197	2200	2206	rBV3	115708	207002	5.23%	0.329%
89	15.127	2212	2217	2222	rVB	1345834	1655547	41.79%	2.633%
90	15.186	2222	2227	2231	rBV	1023278	1217213	30.73%	1.936%
91	15.239	2231	2236	2239	rBV	897848	1184076	29.89%	1.883%
92	15.533	2284	2286	2290	rVB	79588	82864	2.09%	0.132%
93	15.651	2303	2306	2310	rVB2	146038	185166	4.67%	0.294%
94	15.756	2322	2324	2328	rVB4	57794	62154	1.57%	0.099%
95	16.103	2380	2383	2389	rVB2	112398	151991	3.84%	0.242%
96	16.409	2432	2435	2438	rBV2	73213	86979	2.20%	0.138%
97	16.598	2460	2467	2473	rBV2	787858	1453228	36.69%	2.311%
98	16.750	2488	2493	2497	rBV2	128810	261498	6.60%	0.416%
99	16.803	2498	2502	2507	rVB2	105397	186066	4.70%	0.296%
100	17.003	2529	2536	2545	rVB	461393	920569	23.24%	1.464%

Sum of corrected areas: 62880352

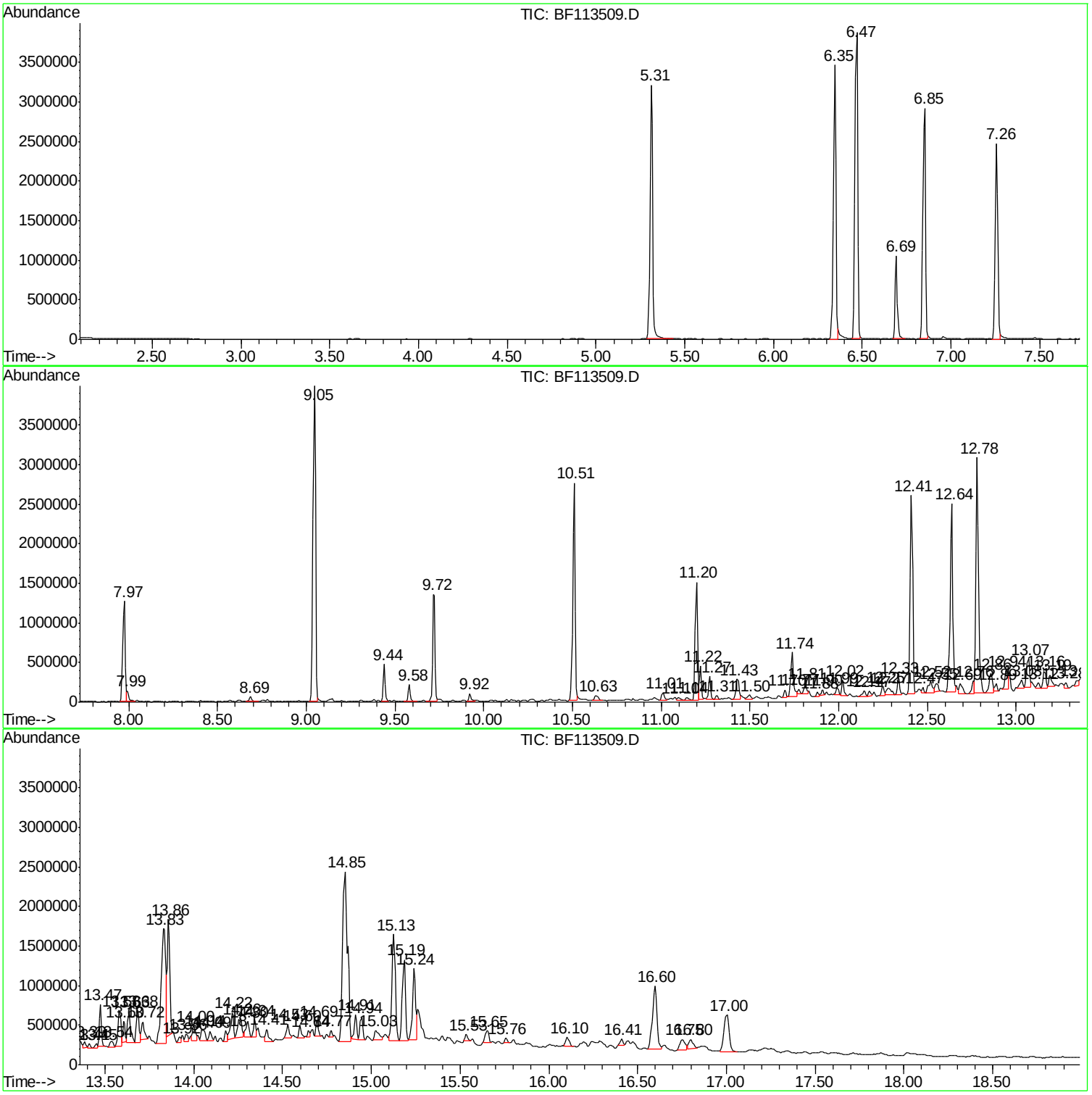
LSC Report - Integrated Chromatogram

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF040219\
Data File : BF113509.D
Acq On : 2 Apr 2019 16:53
Operator : JU/SJ
Sample : K2179-11
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :

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



Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF040219\
Data File : BF113509.D
Acq On : 2 Apr 2019 16:53
Operator : JU/SJ
Sample : K2179-11
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Instrument : BNA_F
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF032519.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

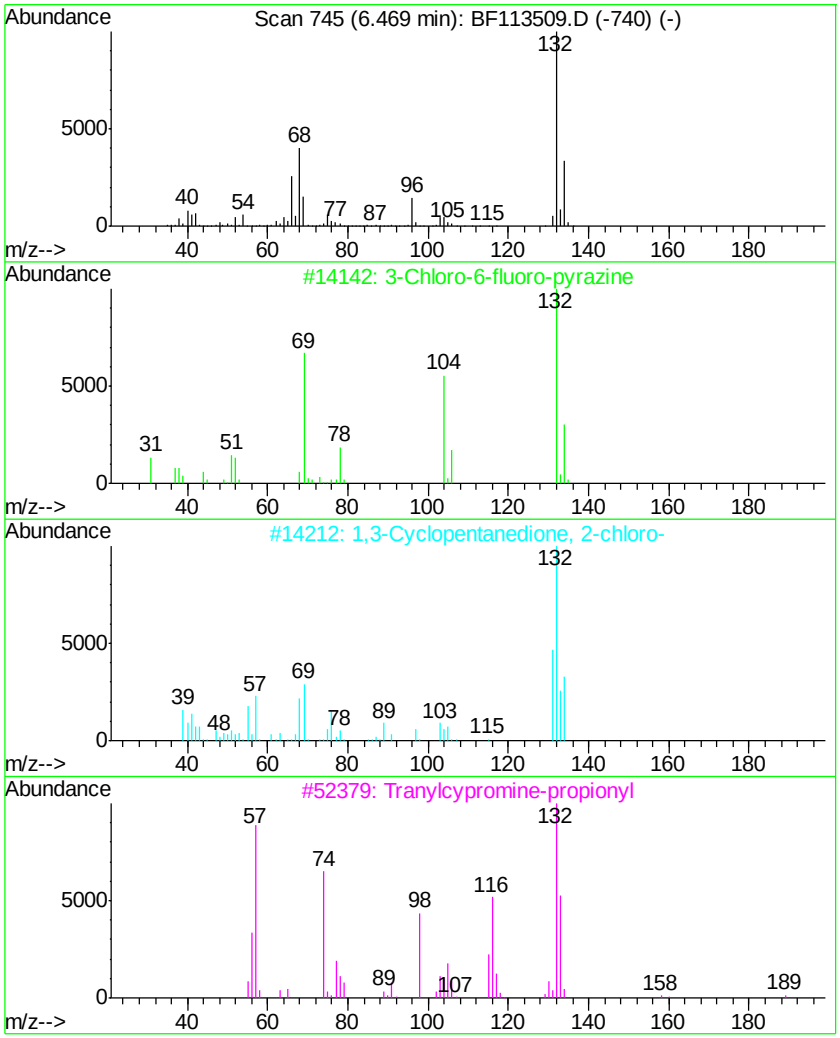
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

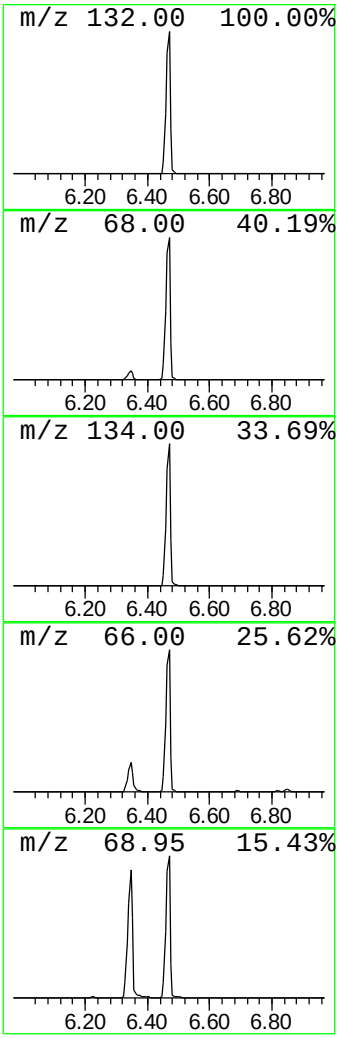
****

Peak Number 1 unknown6.47 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.47	81.81 ng	3707700	1,4-Dichlorobenzene-d4	6.69

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	Bicyclo[4.2.0]octa-1,3,5-triene,...	132	C10H12	028749-81-7	9
5	2H-Cyclopenta[d]pyridazine, 2-me...	132	C8H8N2	022291-85-6	9





Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF040219\
Data File : BF113509.D
Acq On : 2 Apr 2019 16:53
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Sample : K2179-11
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :

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

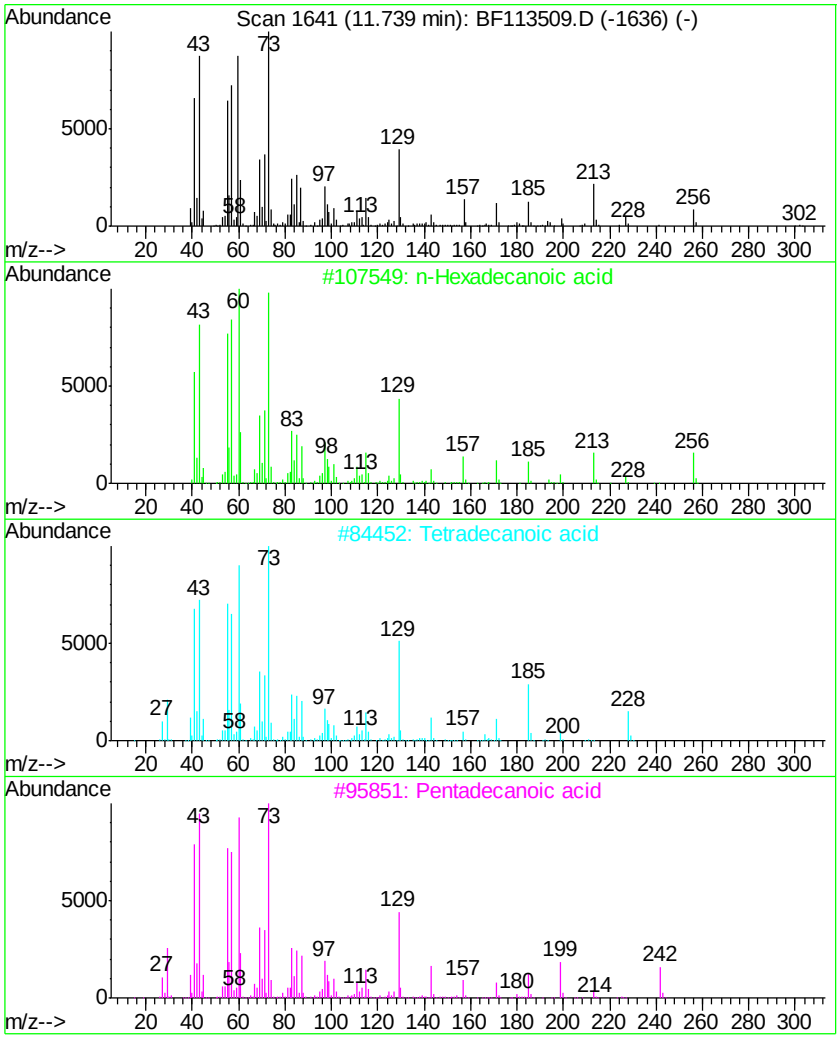
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

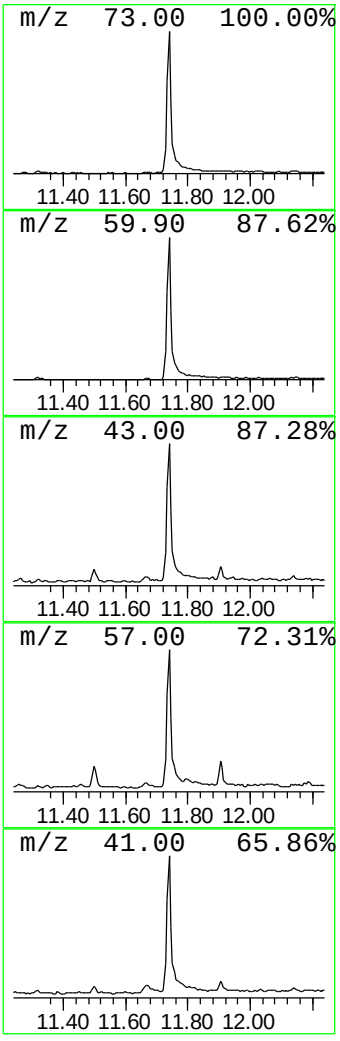
****

Peak Number 3 n-Hexadecanoic acid Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.74	10.34 ng	641839	Phenanthrene-d10	11.20

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	93
3	Pentadecanoic acid	242	C15H30O2	001002-84-2	91
4	Octadecanoic acid	284	C18H36O2	000057-11-4	87
5	Tridecanoic acid	214	C13H26O2	000638-53-9	81





Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF040219\
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Instrument : BNA_F
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF032519.M
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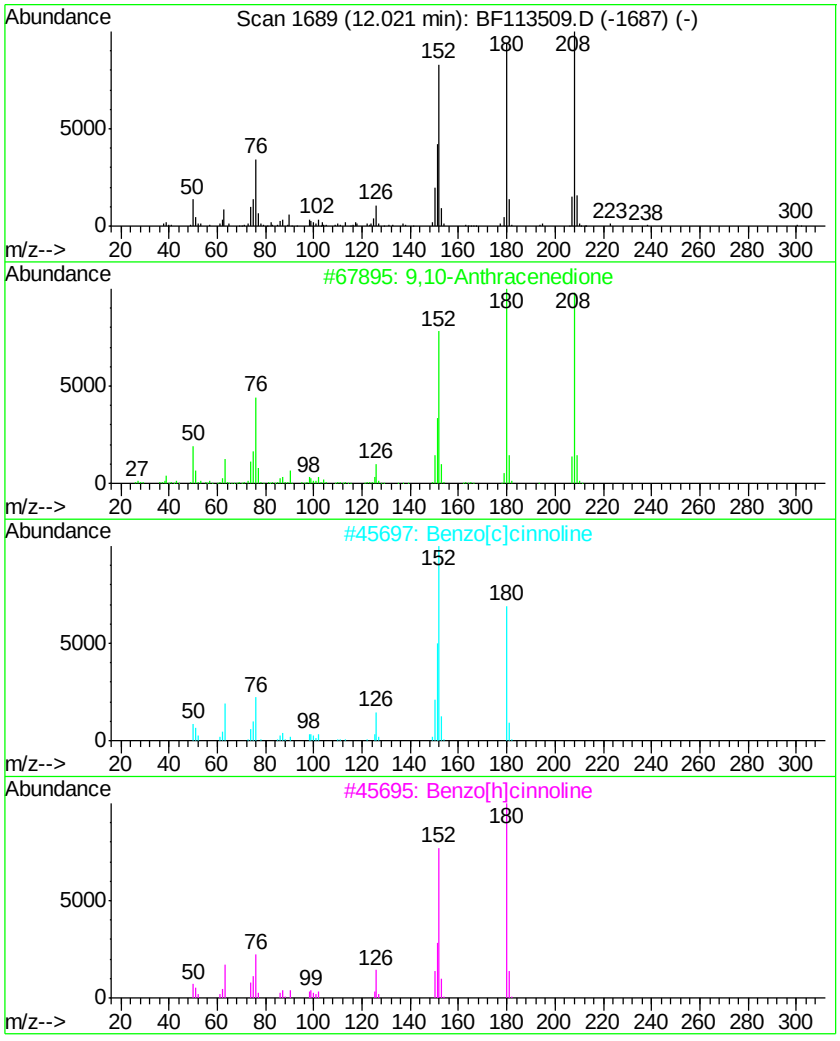
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

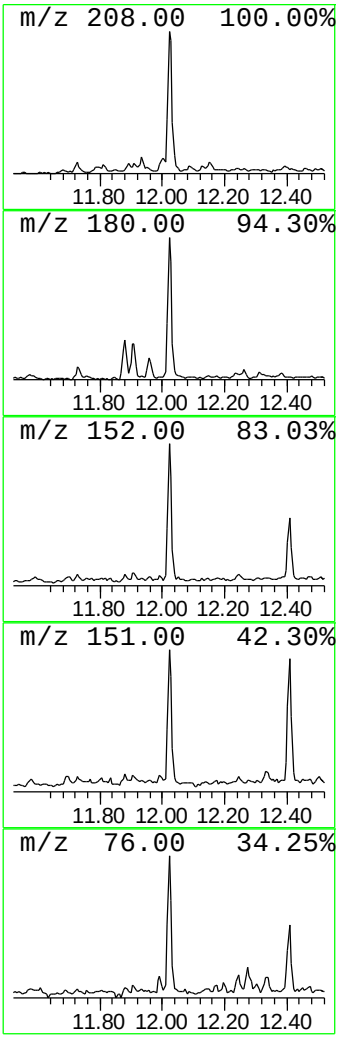
****

Peak Number 4 9,10-Anthracenedione Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.02	2.90 ng	179875	Phenanthrene-d10	11.20

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	Benzo[h]cinnoline	180	C12H8N2	000230-31-9	60
4	1,4-Anthracenedione	208	C14H8O2	000635-12-1	60
5	1H-Phenalen-1-one	180	C13H8O	000548-39-0	60





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF040219\
Data File : BF113509.D
Acq On : 2 Apr 2019 16:53
Operator : JU/SJ
Sample : K2179-11
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId :

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

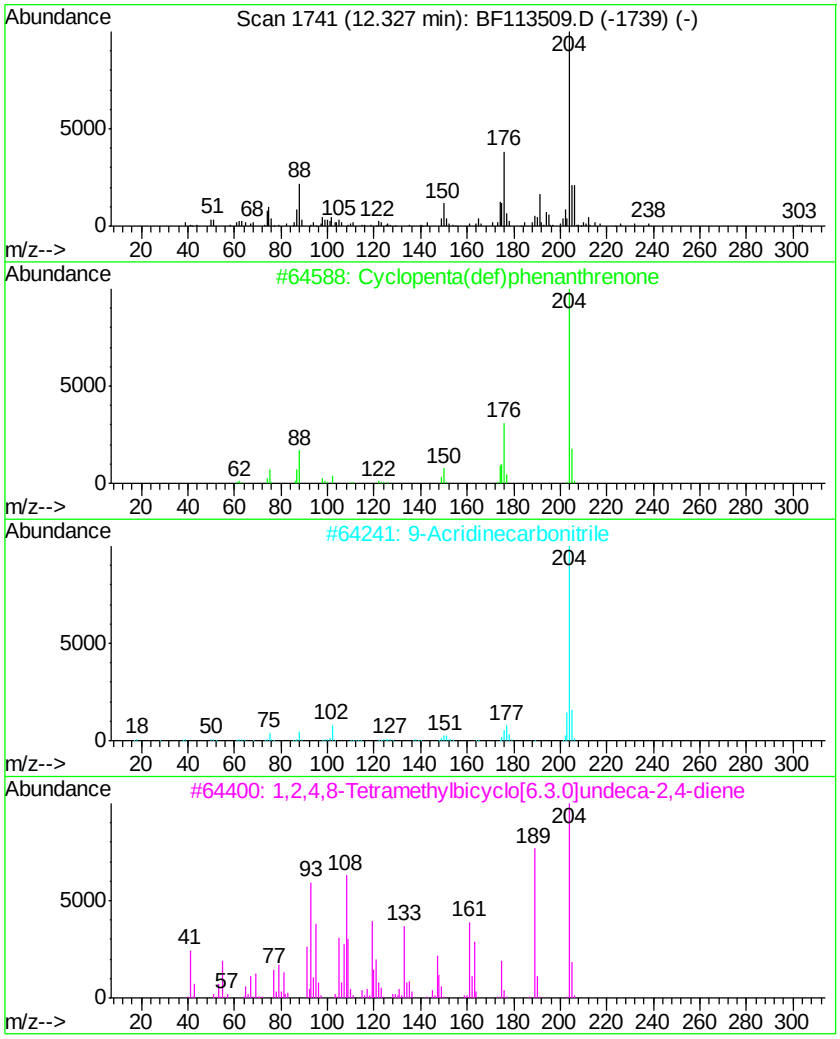
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

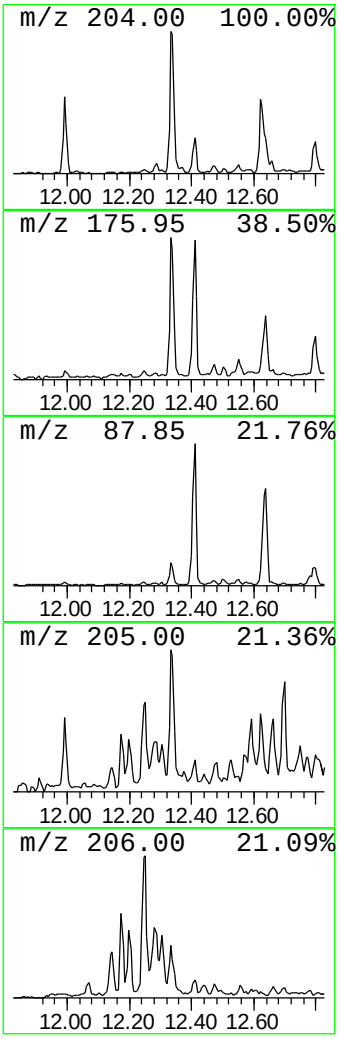
****

Peak Number 5 Cyclopenta(def)phenanthrenone Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.33	3.42 ng	212626	Phenanthrene-d10	11.20

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	96
2	9-Acridinecarbonitrile	204	C14H8N2	005326-19-2	53
3	1,2,4,8-Tetramethylbicyclo[6.3.0...	204	C15H24	137235-51-9	53
4	[1,1'-Biphenyl]-4,4'-dicarbonitrile	204	C14H8N2	001591-30-6	49
5	Quinoline, 8-methoxy-5-nitro-	204	C10H8N2O3	1000298-88-7	47





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Operator : JU/SJ
Sample : K2179-11
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId :

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

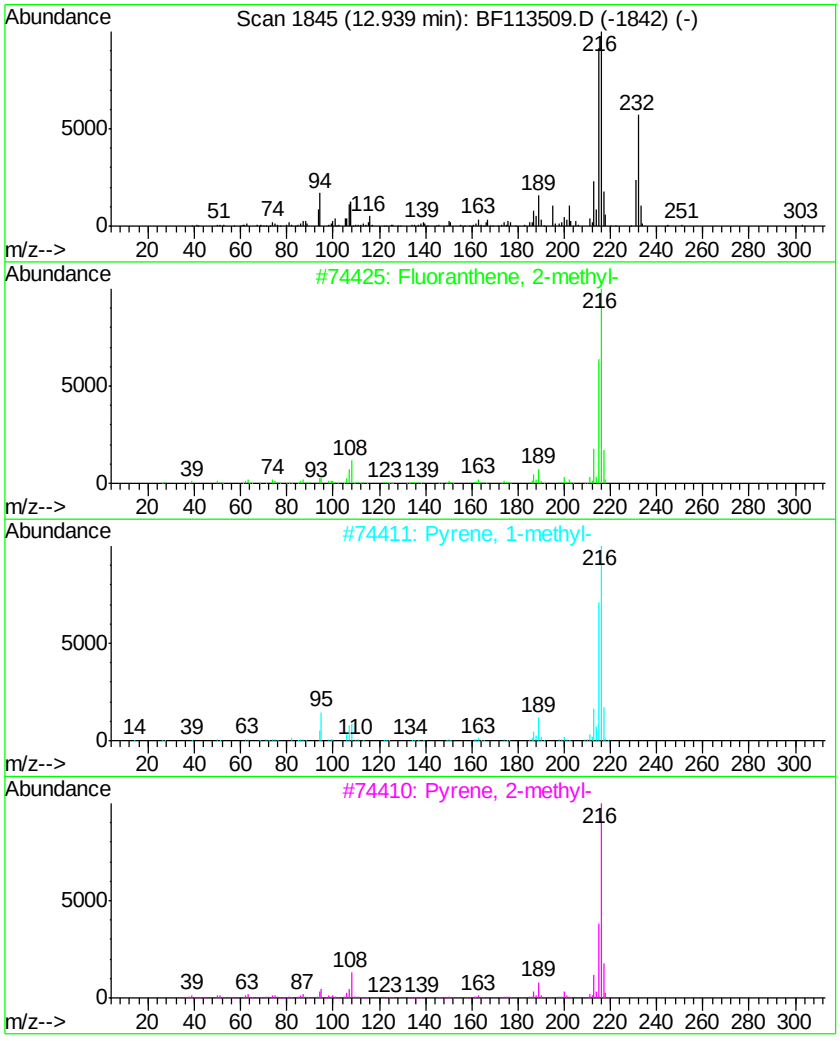
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

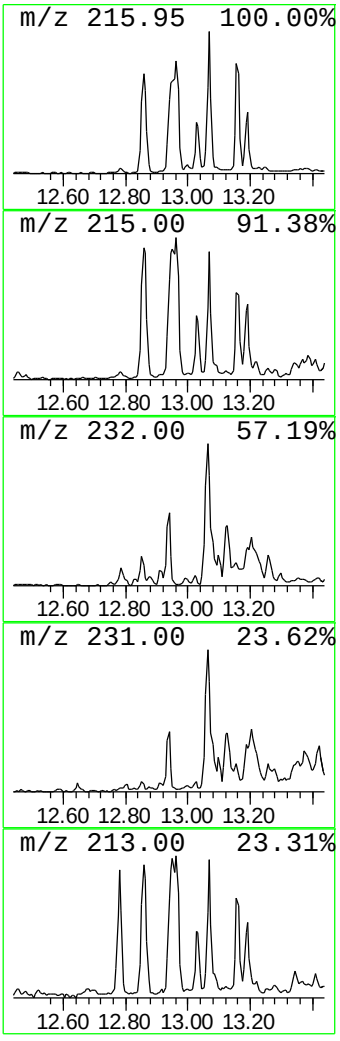
****

Peak Number 6 Fluoranthene, 2-methyl- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.94	2.71 ng	350273	Chrysene-d12	13.83

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	90
2	Pyrene, 1-methyl-	216	C17H12	002381-21-7	83
3	Pyrene, 2-methyl-	216	C17H12	003442-78-2	80
4	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	70
5	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	55





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Operator : JU/SJ
Sample : K2179-11
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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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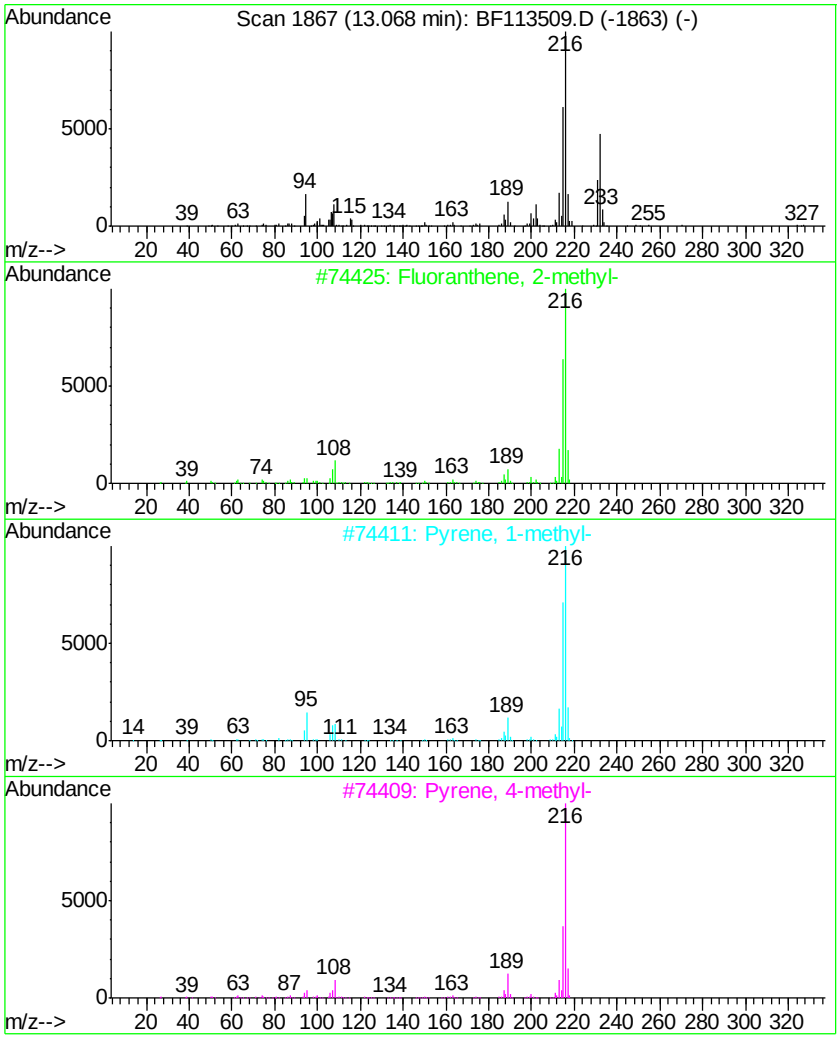
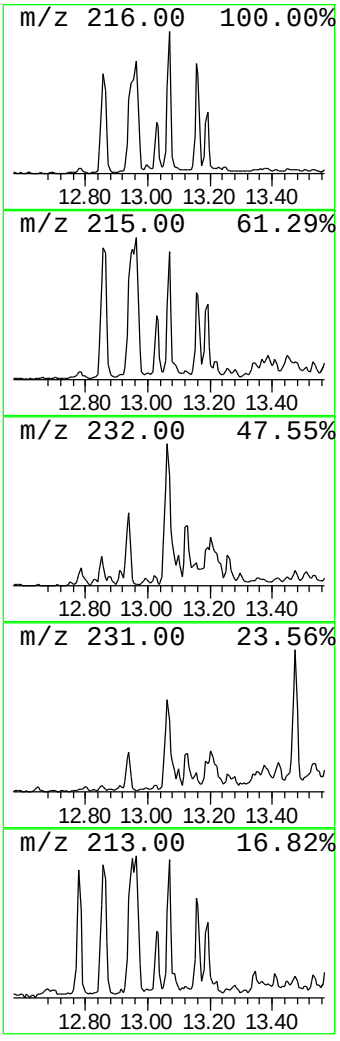
Peak Number 7 Pyrene, 1-methyl- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.07	2.88 ng	372456	Chrysene-d12	13.83

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	96
2	Pyrene, 1-methyl-	216	C17H12	002381-21-7	96
3	Pyrene, 4-methyl-	216	C17H12	003353-12-6	91
4	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	83
5	Pyrene, 2-methyl-	216	C17H12	003442-78-2	83





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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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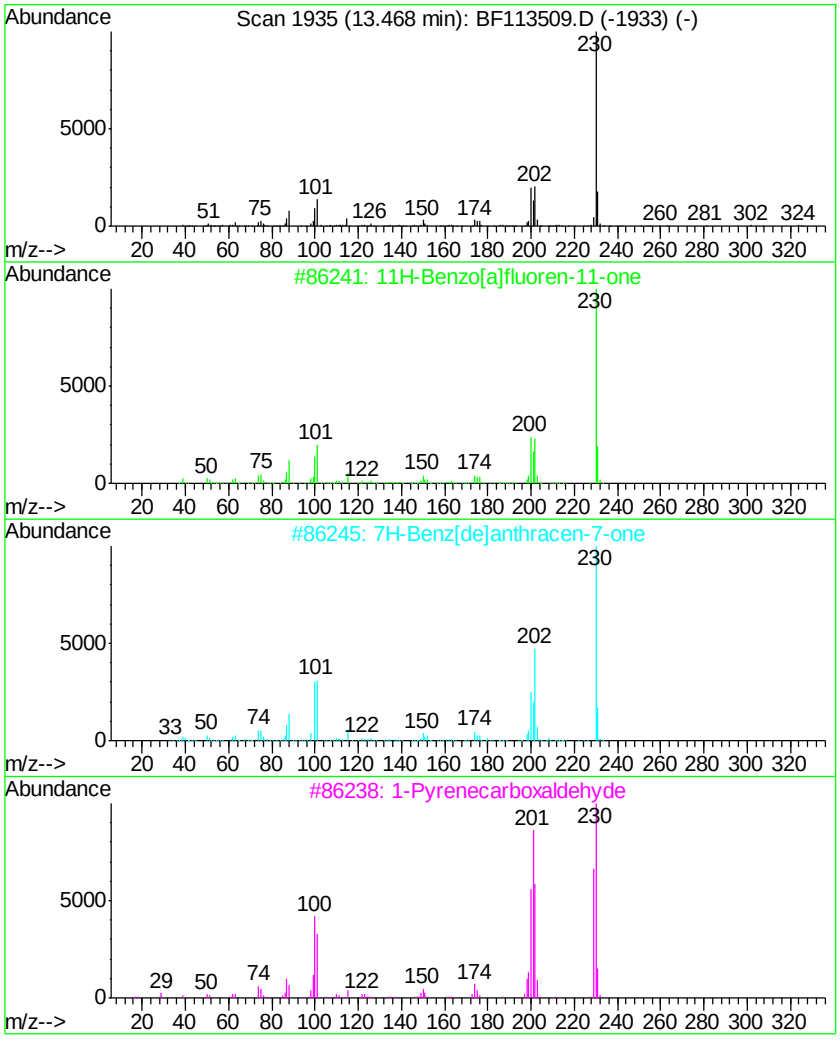
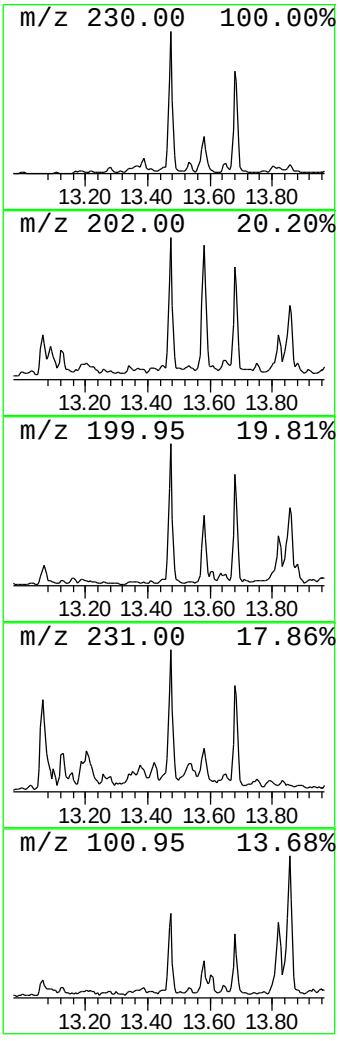
Peak Number 8 11H-Benzo[a]fluoren-11-one Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.47	3.59 ng	463922	Chrysene-d12	13.83

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	91
3	1-Pyrenecarboxaldehyde	230	C17H10O	003029-19-4	72
4	6,9-Dimethoxy-4-methyl-2,3-dihyd...	245	C14H15NO3	001723-11-1	72
5	o-Terphenyl	230	C18H14	000084-15-1	58





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

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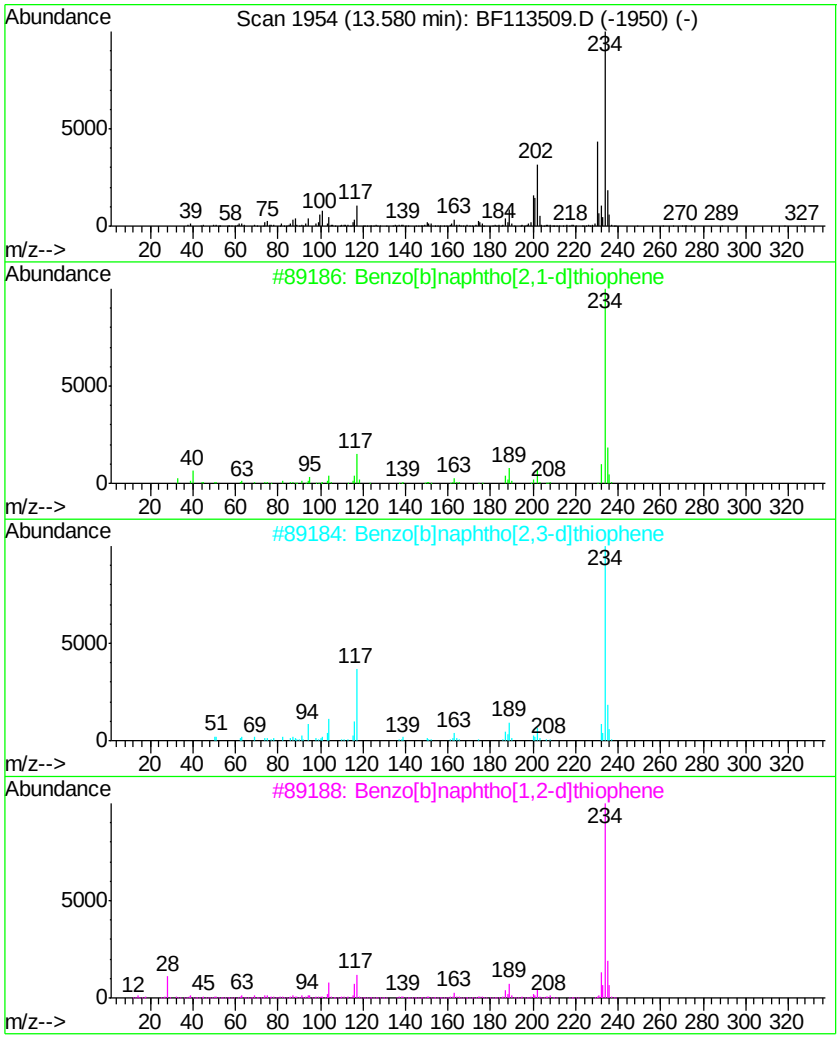
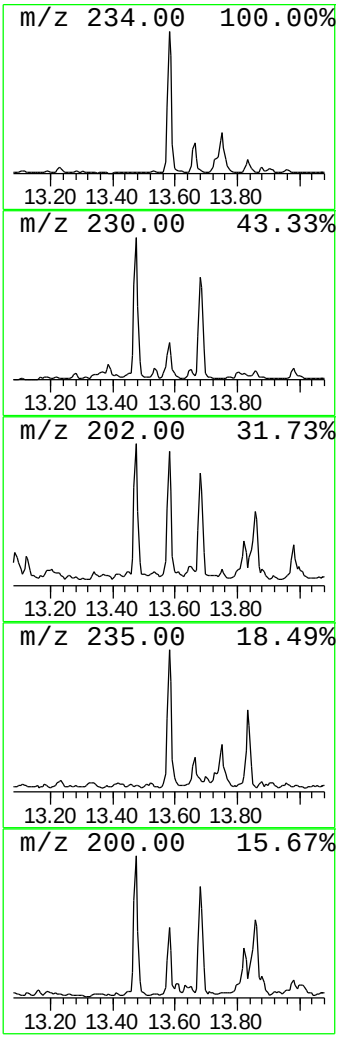
Peak Number 9 Benzo[b]naphtho[2,1-d]thiop... Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.58	3.44 ng	444344	Chrysene-d12	13.83

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[b]naphtho[2,1-d]thiophene	234	C16H10S	000239-35-0	91
2	Benzo[b]naphtho[2,3-d]thiophene	234	C16H10S	000243-46-9	60
3	Benzo[b]naphtho[1,2-d]thiophene	234	C16H10S	000205-43-6	49
4	Anthra(1,2-b)thiophene	234	C16H10S	000227-86-1	49
5	Phenanthro[4,3-b]thiophene	234	C16H10S	000195-68-6	43





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TIC Library : C:\DATABASE\NIST11.L
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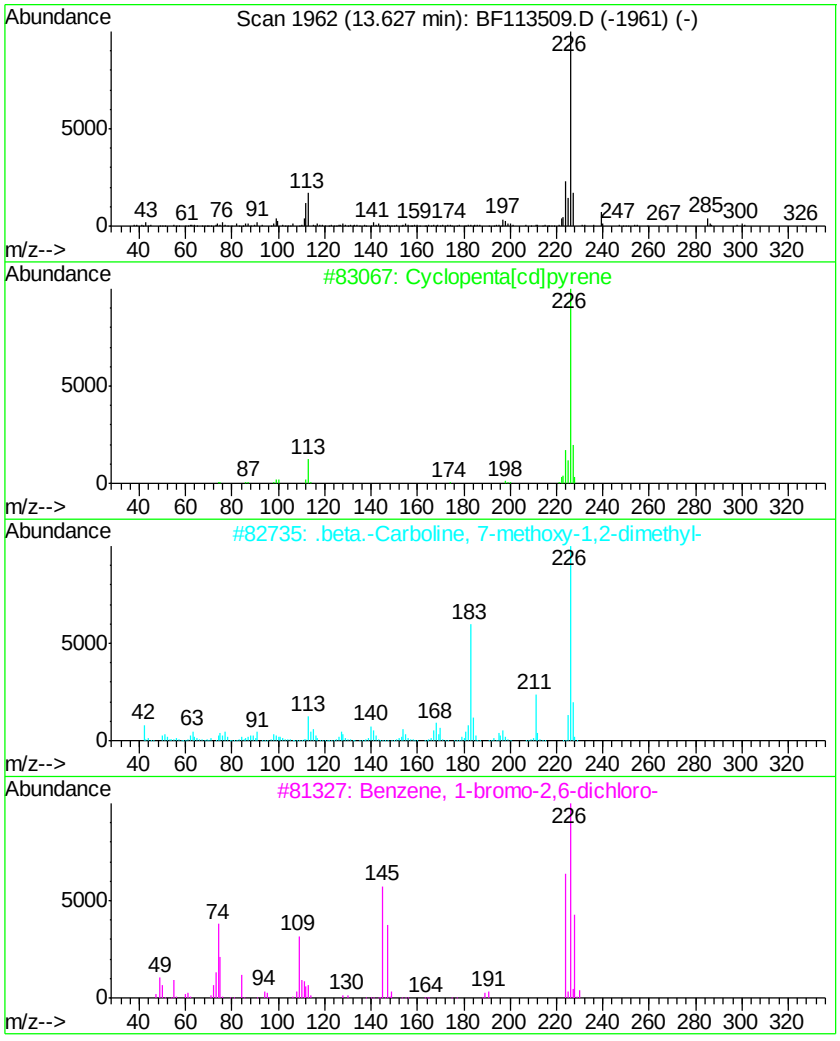
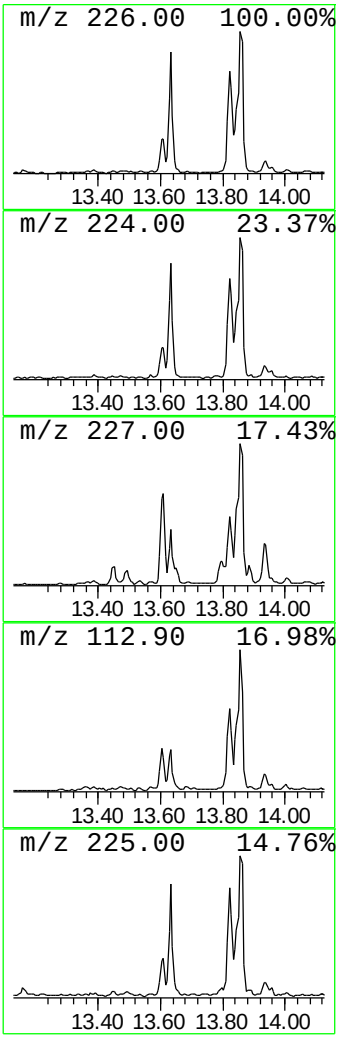
Peak Number 10 Cyclopenta[cd]pyrene Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.63	3.28 ng	423517	Chrysene-d12	13.83

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta[cd]pyrene	226	C18H10	027208-37-3	93
2	.beta.-Carboline, 7-methoxy-1,2-...	226	C14H14N2O	006519-18-2	58
3	Benzene, 1-bromo-2,6-dichloro-	224	C6H3BrCl2	019393-92-1	50
4	Benzo[ghi]fluoranthene	226	C18H10	000203-12-3	43
5	1(2H)-Naphthalenone, octahydro-8...	254	C18H22O	017429-44-6	43





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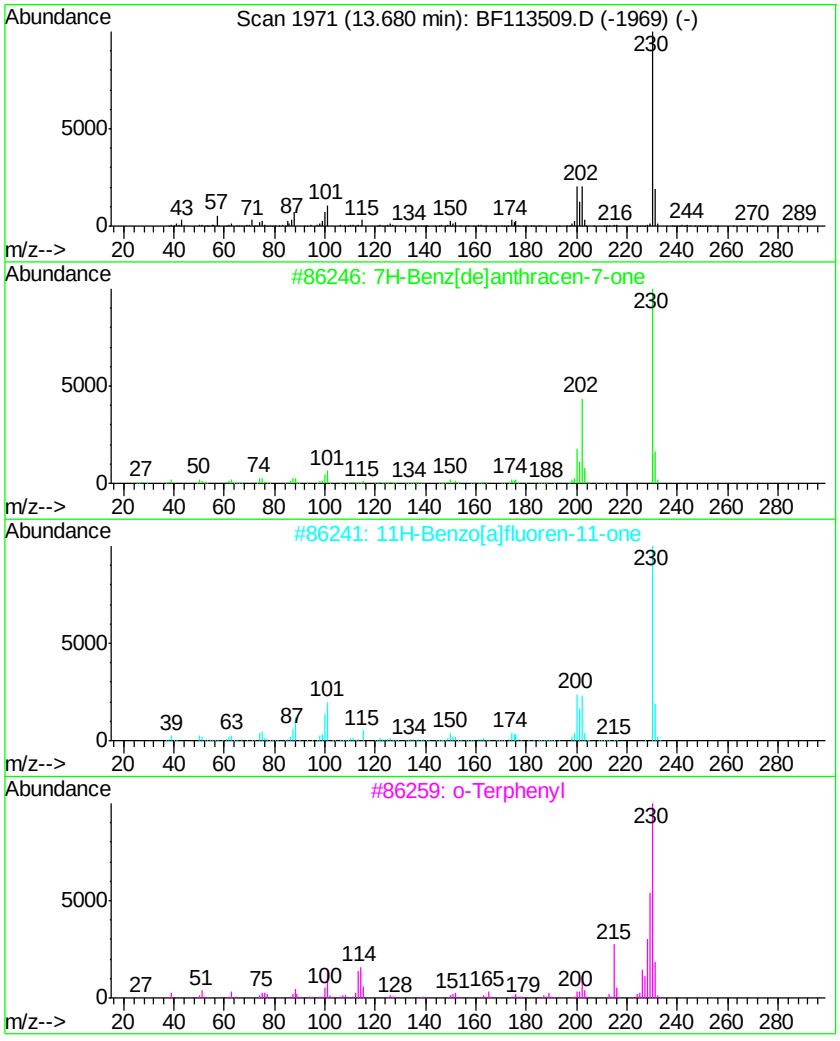
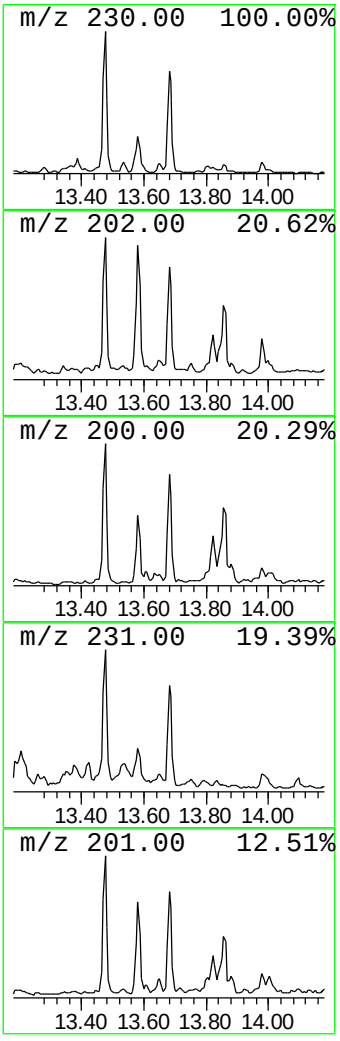
Peak Number 11 7H-Benz[de]anthracen-7-one Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.68	3.14 ng	405995	Chrysene-d12	13.83

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	90
2	11H-Benzo[a]fluoren-11-one	230	C17H10O	000479-79-8	86
3	o-Terphenyl	230	C18H14	000084-15-1	64
4	Ferrocene, (2-hydroxyethyl)-	230	C12H14FeO	001273-90-1	50
5	Benzo(b)phenazine	230	C16H10N2	000257-97-6	50





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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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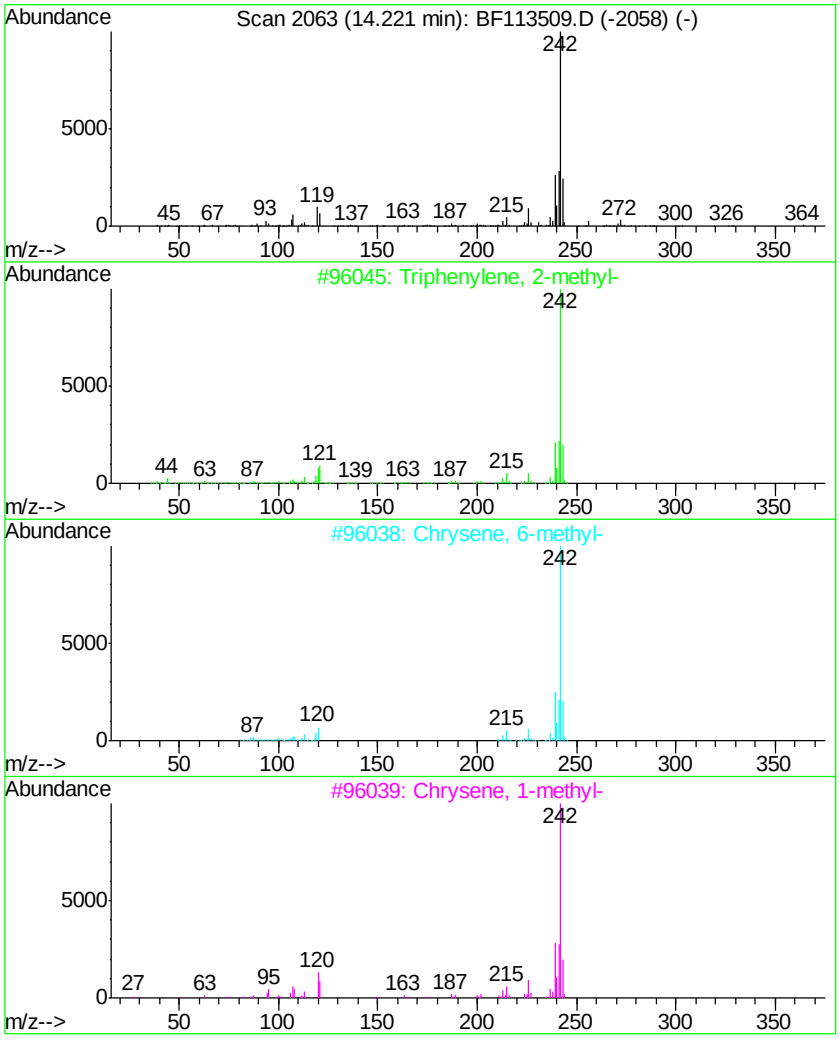
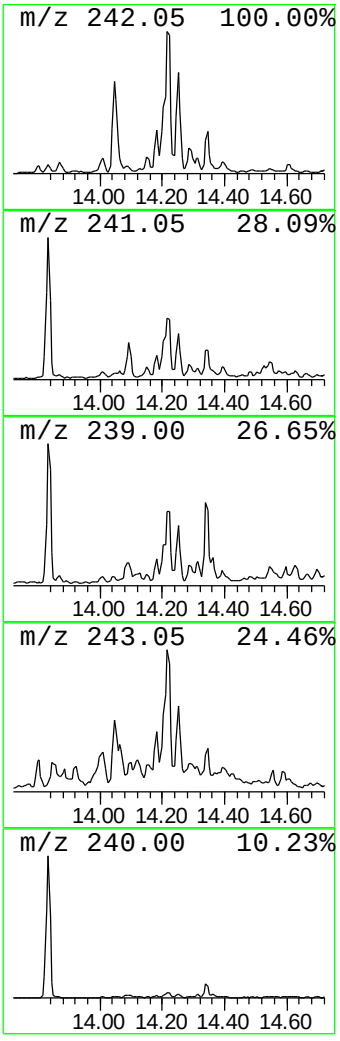
Peak Number 12 Triphenylene, 2-methyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.22	3.16 ng	407981	Chrysene-d12	13.83

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Triphenylene, 2-methyl-	242	C19H14	001705-84-6	95
2	Chrysene, 6-methyl-	242	C19H14	001705-85-7	90
3	Chrysene, 1-methyl-	242	C19H14	003351-28-8	89
4	2-Methylchrysene	242	C19H14	003351-32-4	89
5	Benz[a]anthracene, 8-methyl-	242	C19H14	002381-31-9	89





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

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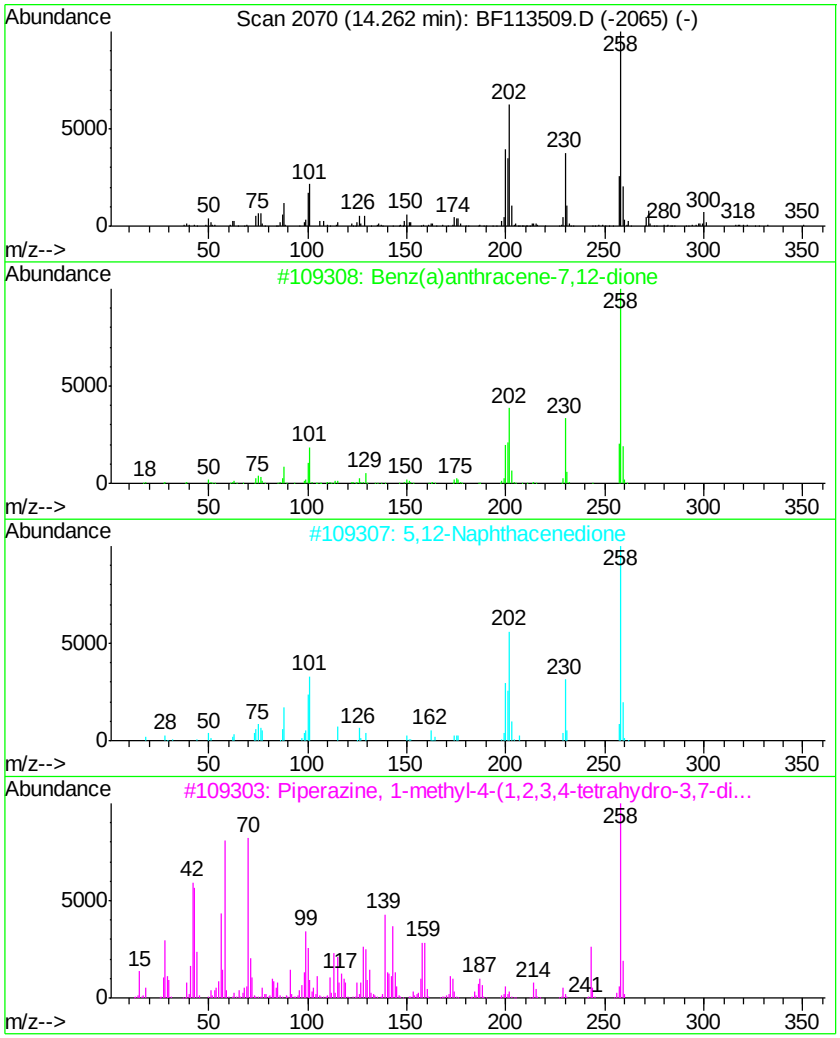
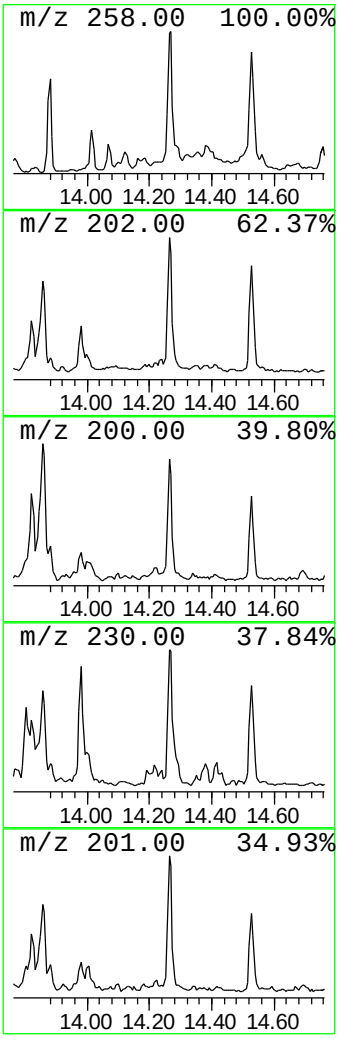
Peak Number 13 Benz(a)anthracene-7,12-dione Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.26	3.11 ng	401557	Chrysene-d12	13.83

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benz(a)anthracene-7,12-dione	258	C18H10O2	002498-66-0	94
2	5,12-Naphthacenedione	258	C18H10O2	001090-13-7	94
3	Piperazine, 1-methyl-4-(1,2,3,4-...	258	C17H26N2	055591-14-5	92
4	1,8-Anthracenedinitrile, 9,10-di...	258	C16H6N2O2	090866-50-5	58
5	1,4-Chrysenequinone	258	C18H10O2	100900-16-1	38





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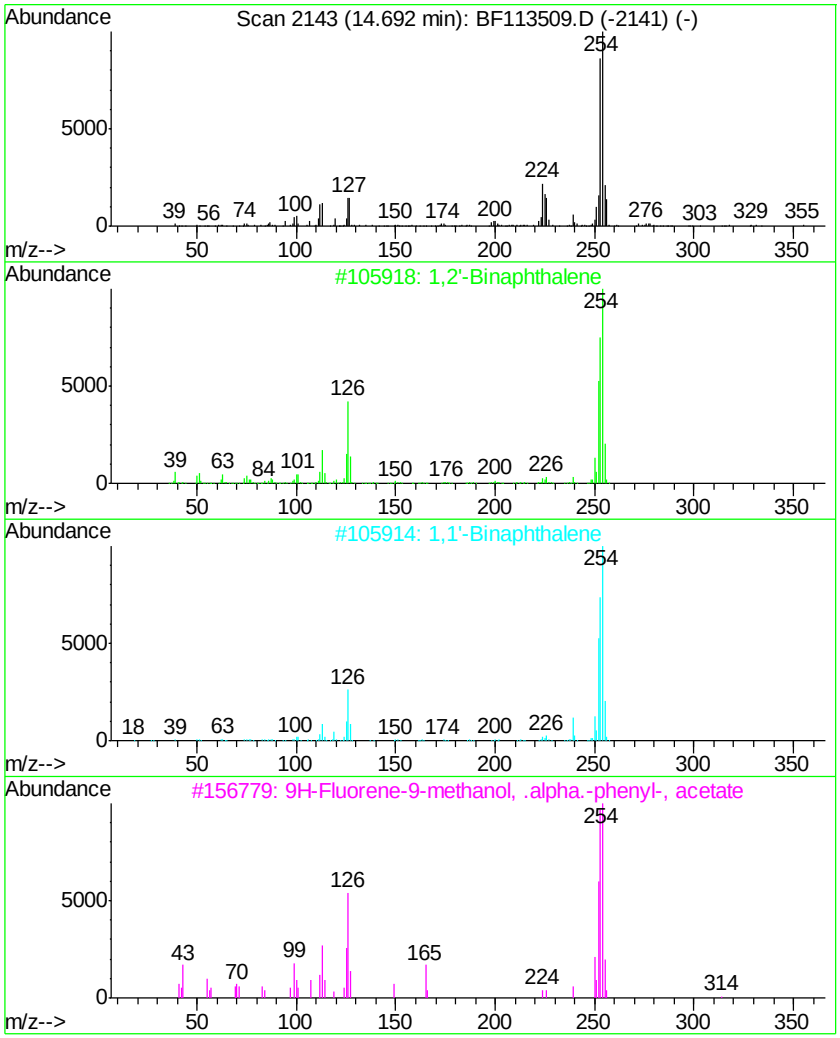
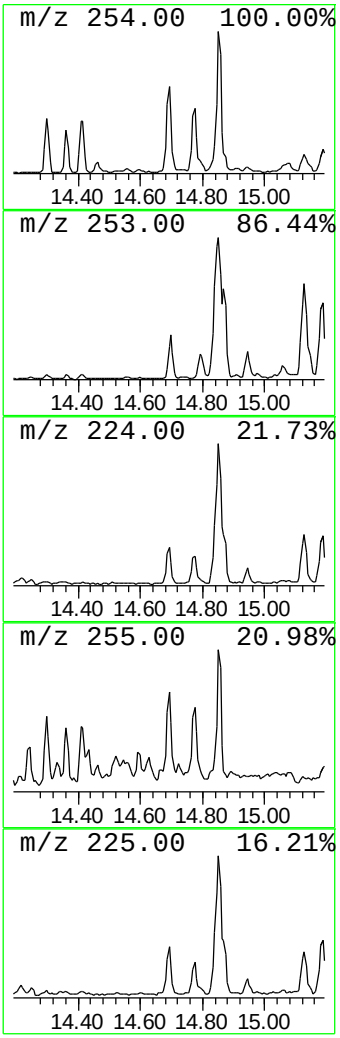
Peak Number 14 1,2'-Binaphthalene Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.69	3.38 ng	199840	Perylene-d12	15.24

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,2'-Binaphthalene	254	C20H14	004325-74-0	74
2	1,1'-Binaphthalene	254	C20H14	000604-53-5	72
3	9H-Fluorene-9-methanol, .alpha.-...	314	C22H18O2	063839-89-4	64
4	Benzenamine, 4,4'-methylenebis[N...	254	C17H22N2	000101-61-1	64
5	Anthracene, 9-phenyl-	254	C20H14	000602-55-1	64





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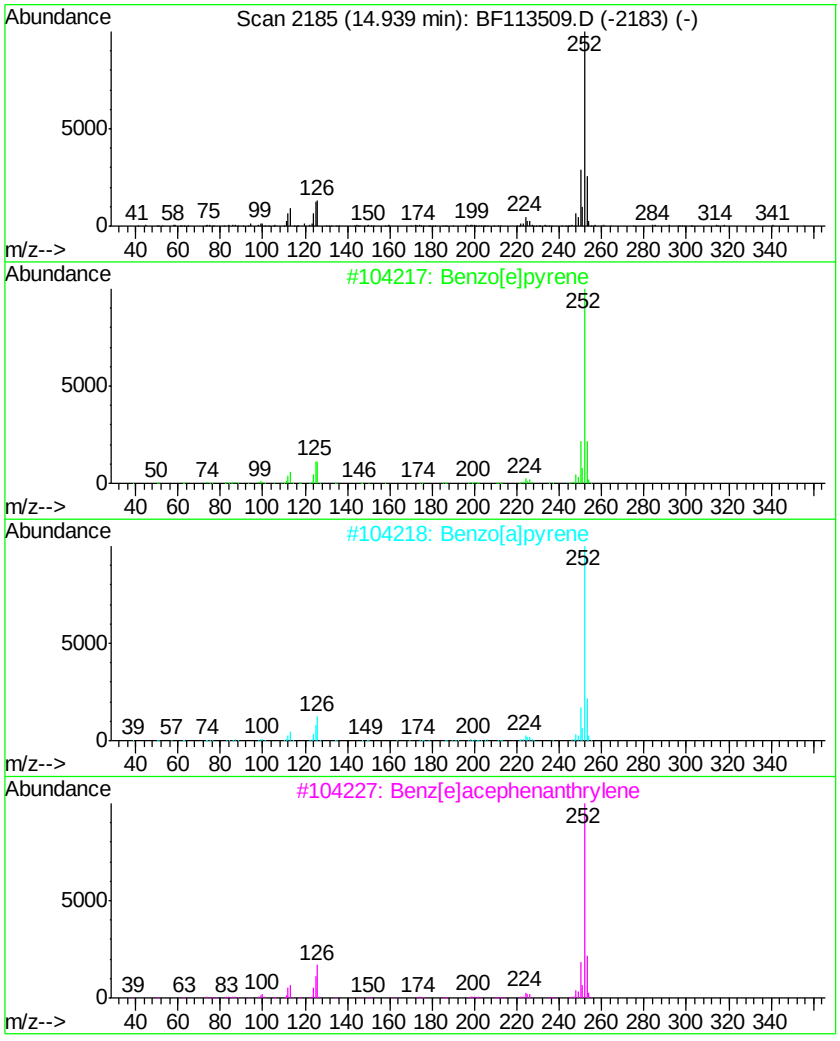
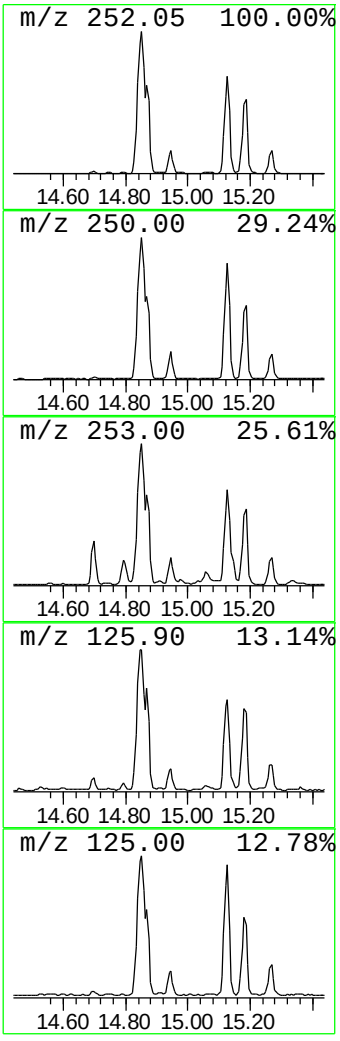
Peak Number 15 Benzo[e]pyrene Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.94	4.78 ng	282990	Perylene-d12	15.24

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	98
2	Benzo[a]pyrene	252	C20H12	000050-32-8	95
3	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	93
4	Benzo[k]fluoranthene	252	C20H12	000207-08-9	91
5	Perylene	252	C20H12	000198-55-0	81





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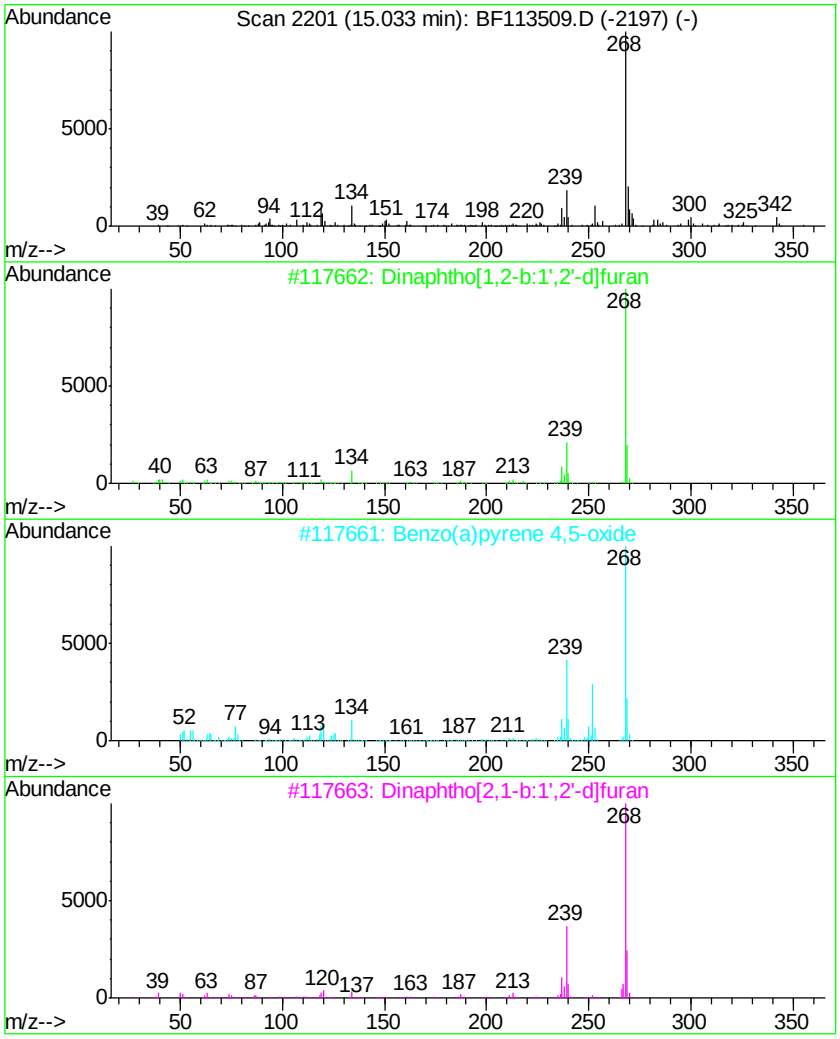
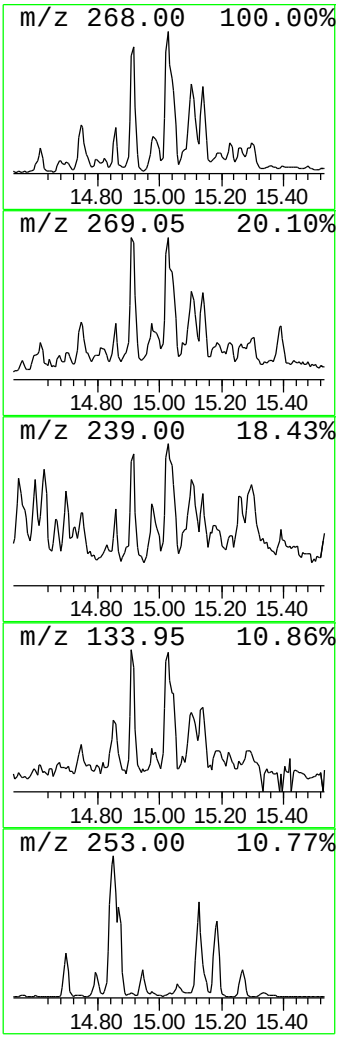
Peak Number 16 Dinaphtho[1,2-b:1',2'-d]furan Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.03	3.50 ng	207002	Perylene-d12	15.24

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dinaphtho[1,2-b:1',2'-d]furan	268	C20H12O	000207-93-2	90
2	Benzo(a)pyrene 4,5-oxide	268	C20H12O	037574-47-3	80
3	Dinaphtho[2,1-b:1',2'-d]furan	268	C20H12O	000194-63-8	64
4	Benzo(a)pyren-7-ol	268	C20H12O	037994-82-4	59
5	4H-Dibenz[a,kl]anthracene, 5,6-d...	268	C21H16	007198-87-0	53





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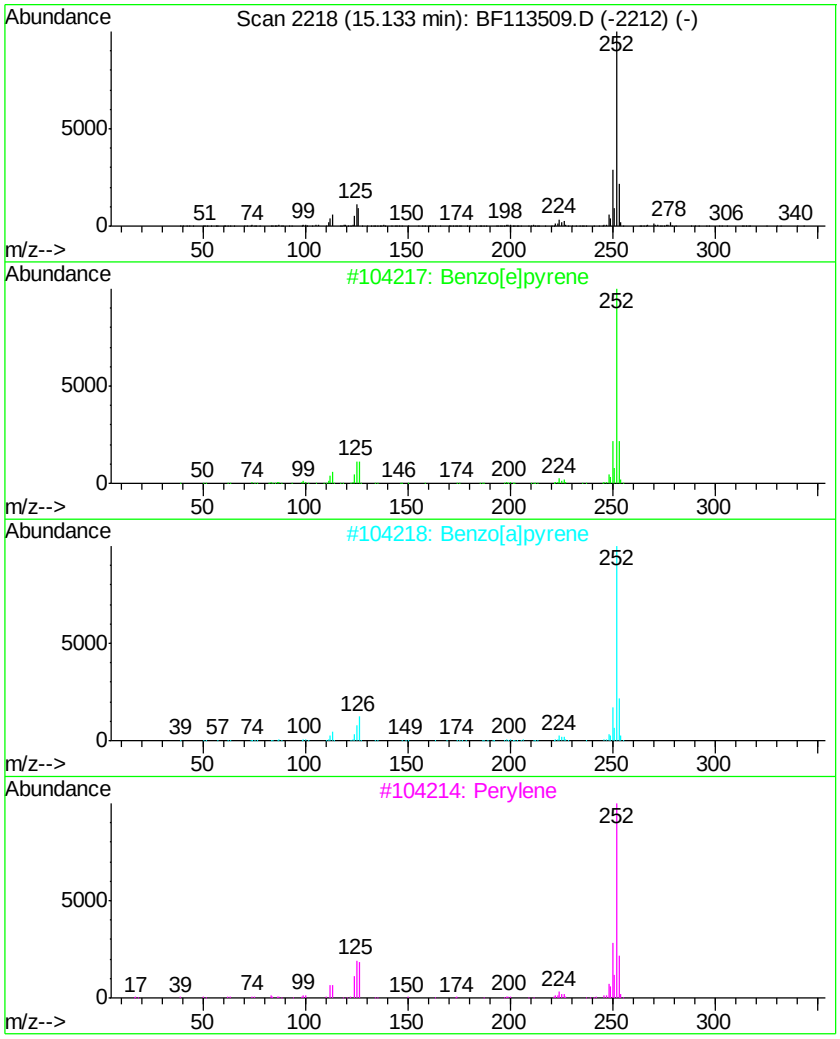
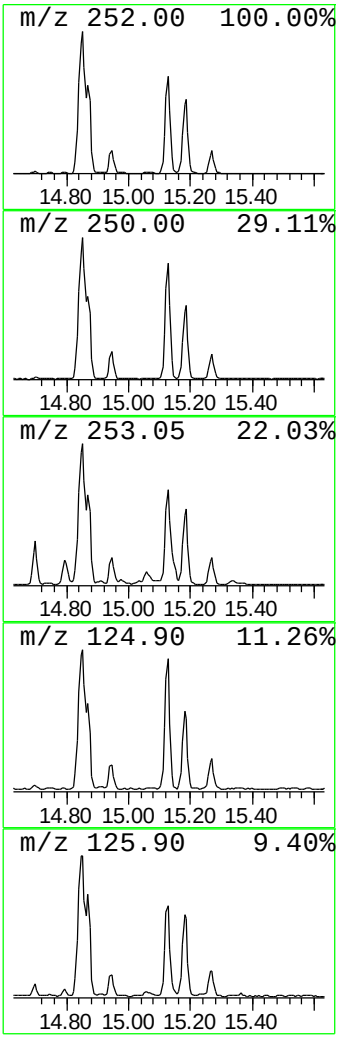
Peak Number 17 unknown15.13 Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.13	27.96 ng	1655550	Perylene-d12	15.24

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





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TIC Integration Parameters: LSCINT.P

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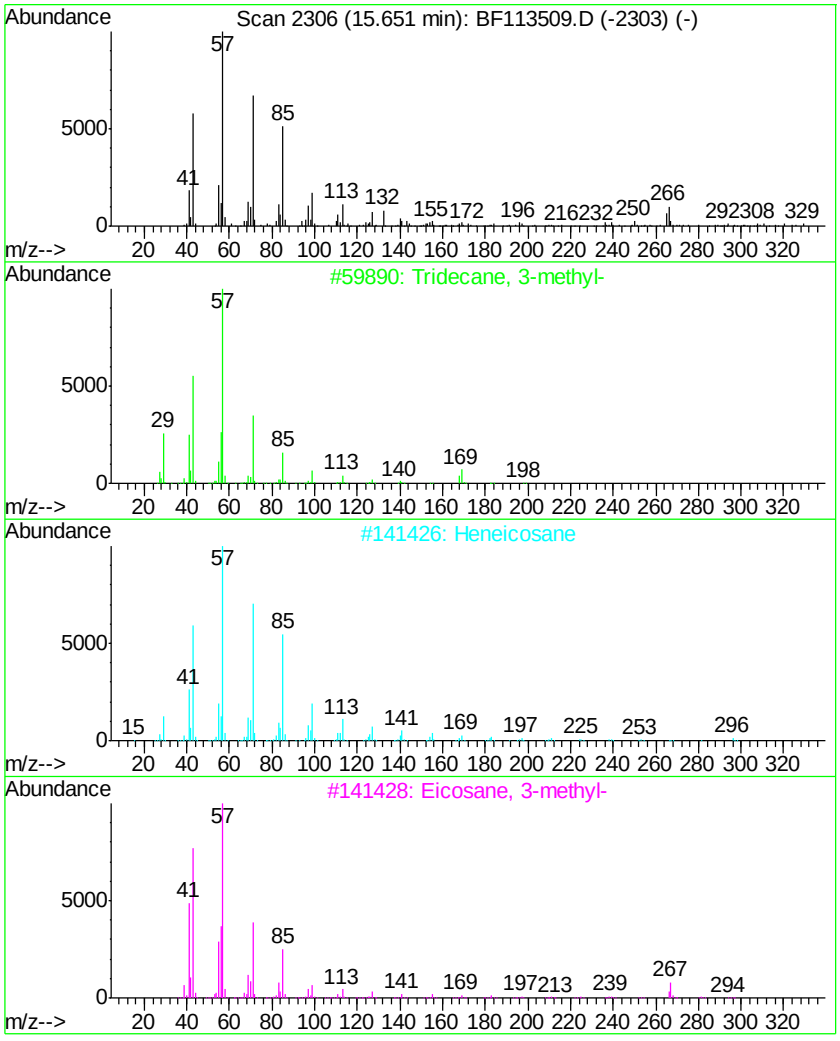
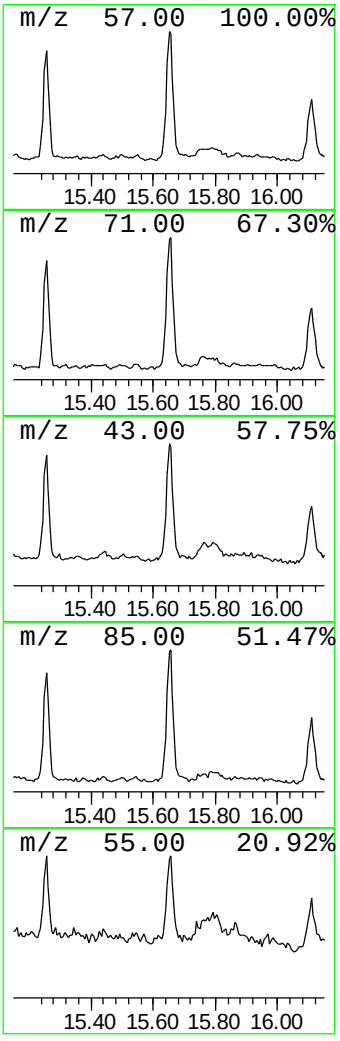
Peak Number 18 Tridecane, 3-methyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.65	3.13 ng	185166	Perylene-d12	15.24

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tridecane, 3-methyl-	198	C14H30	006418-41-3	93
2	Heneicosane	296	C21H44	000629-94-7	91
3	Eicosane, 3-methyl-	296	C21H44	006418-46-8	87
4	Pentacosane	352	C25H52	000629-99-2	83
5	Octacosane	394	C28H58	000630-02-4	83





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Acq On : 2 Apr 2019 16:53
Operator : JU/SJ
Sample : K2179-11
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId :

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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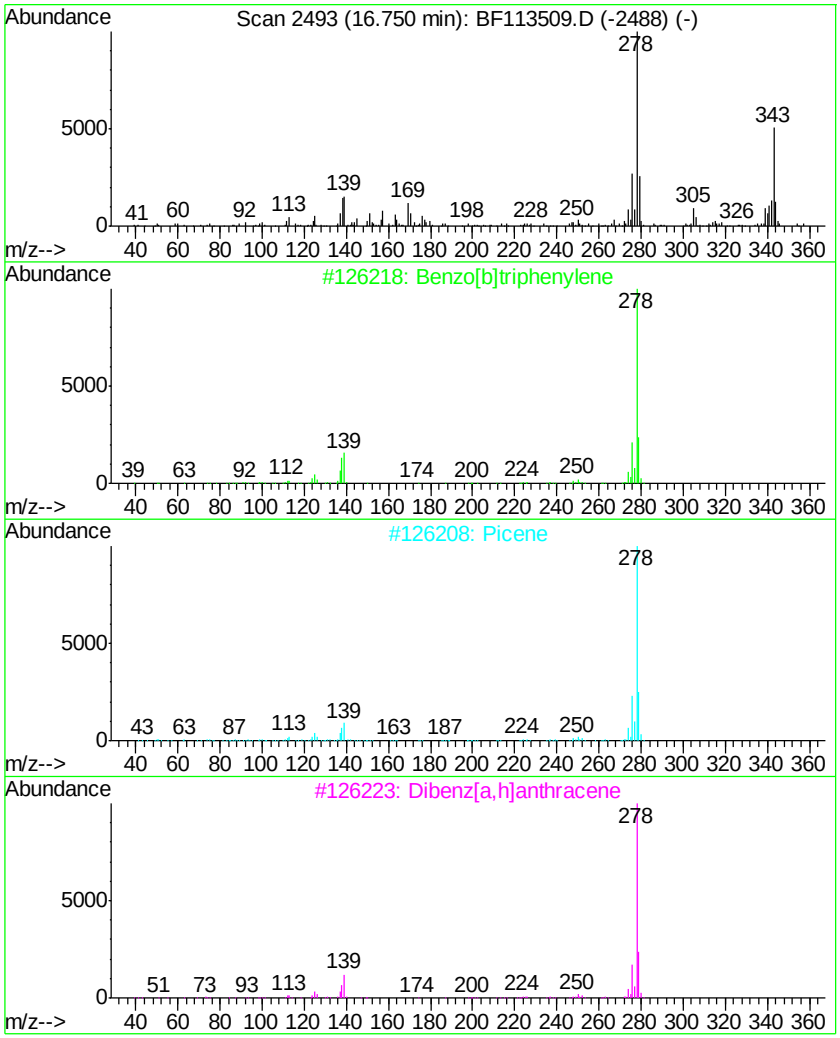
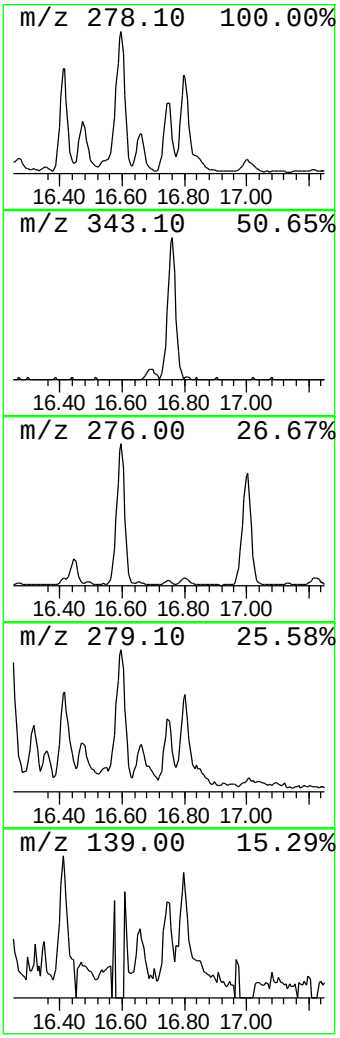
Peak Number 19 Benzo[b]triphenylene Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.75	4.42 ng	261498	Perylene-d12	15.24

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[b]triphenylene	278	C22H14	000215-58-7	95
2	Picene	278	C22H14	000213-46-7	89
3	Dibenz[a,h]anthracene	278	C22H14	000053-70-3	89
4	Pentacene	278	C22H14	000135-48-8	60
5	Pyrene, 1-phenyl-	278	C22H14	005101-27-9	60





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Acq On : 2 Apr 2019 16:53
Operator : JU/SJ
Sample : K2179-11
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId :

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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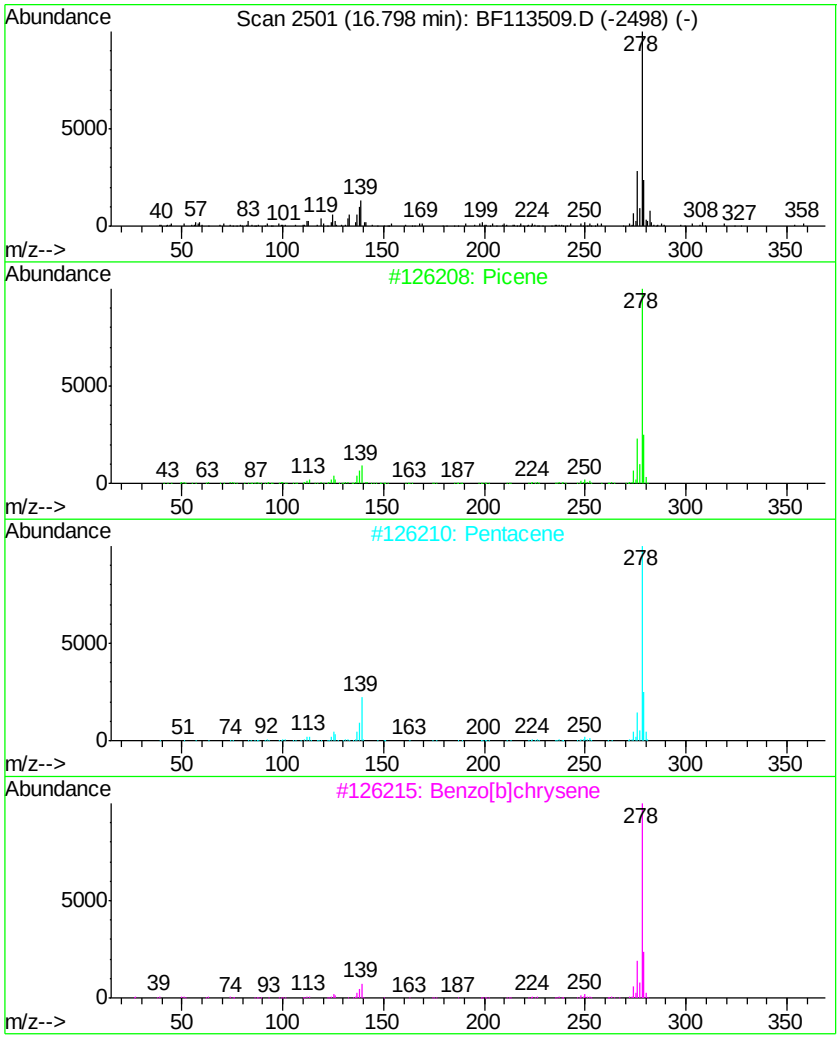
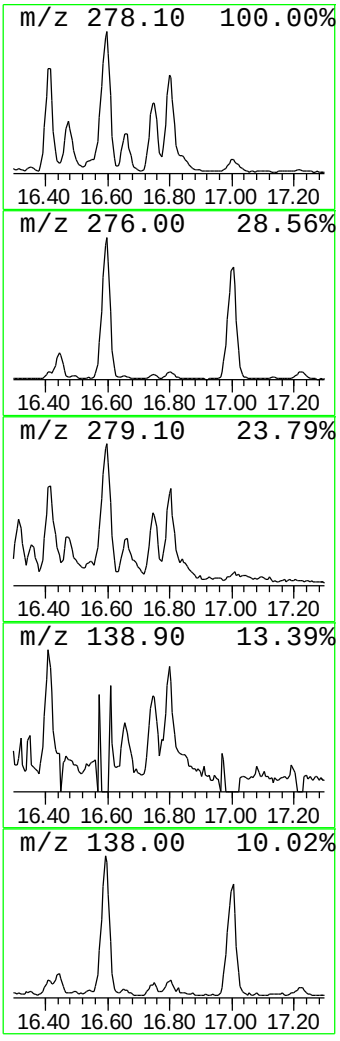
Peak Number 20 Picene Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.80	3.14 ng	186066	Perylene-d12	15.24

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Picene	278	C22H14	000213-46-7	93
2	Pentacene	278	C22H14	000135-48-8	93
3	Benzo[b]chrysene	278	C22H14	000214-17-5	90
4	Benzo[b]triphenylene	278	C22H14	000215-58-7	90
5	Dibenz[a,h]anthracene	278	C22H14	000053-70-3	89





Tentatively Identified Compound (LSC) summary

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF040219\
Data File : BF113509.D
Acq On : 2 Apr 2019 16:53
Operator : JU/SJ
Sample : K2179-11
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId :

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
unknown6.47	6.47	81.8	ng	3707700	1	6.69	906395	20.0
n-Hexadecanoic acid	11.74	10.3	ng	641839	4	11.20	1241620	20.0
9,10-Anthracenedione	12.02	2.9	ng	179875	4	11.20	1241620	20.0
Cyclopenta(def)ph...	12.33	3.4	ng	212626	4	11.20	1241620	20.0
Fluoranthene, 2-m...	12.94	2.7	ng	350273	5	13.83	2582470	20.0
Pyrene, 1-methyl-	13.07	2.9	ng	372456	5	13.83	2582470	20.0
11H-Benzo[a]fluor...	13.47	3.6	ng	463922	5	13.83	2582470	20.0
Benzo[b]naphtho[2...	13.58	3.4	ng	444344	5	13.83	2582470	20.0
Cyclopenta[cd]pyrene	13.63	3.3	ng	423517	5	13.83	2582470	20.0
7H-Benz[de]anthra...	13.68	3.1	ng	405995	5	13.83	2582470	20.0
Triphenylene, 2-m...	14.22	3.2	ng	407981	5	13.83	2582470	20.0
Benz(a)anthracene...	14.26	3.1	ng	401557	5	13.83	2582470	20.0
1,2'-Binaphthalene	14.69	3.4	ng	199840	6	15.24	1184080	20.0
Benzo[e]pyrene	14.94	4.8	ng	282990	6	15.24	1184080	20.0
Dinaphtho[1,2-b:1...	15.03	3.5	ng	207002	6	15.24	1184080	20.0
unknown15.13	15.13	28.0	ng	1655550	6	15.24	1184080	20.0
Tridecane, 3-methyl-	15.65	3.1	ng	185166	6	15.24	1184080	20.0
Benzo[b]triphenylene	16.75	4.4	ng	261498	6	15.24	1184080	20.0
Picene	16.80	3.1	ng	186066	6	15.24	1184080	20.0