LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF073119\
Data File : BF115887.D
Acq On : 1 Aug 2019 00:45
Operator : HP/JU
Sample : K4049-04 2X
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SP-4

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-BF073019.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	3.910	301	310	318	rBV	286122	394880	2.27%	0.179%
2	5.469	572	575	587	rBV	1261469	1298815	7.48%	0.590%
3	6.481	744	747	758	rBV	1477625	1475527	8.49%	0.670%
4	6.622	767	771	779	rVB	1729115	1431180	8.24%	0.650%
5	6.851	807	810	818	rVB	999332	821544	4.73%	0.373%
6	7.010	833	837	840	rBV	1344799	1109550	6.39%	0.504%
7	7.410	901	905	910	rBV	902573	757391	4.36%	0.344%
8	8.134	1023	1028	1030	rBV	1232620	1063876	6.12%	0.483%
9	8.157	1030	1032	1035	rVB	552344	452596	2.61%	0.206%
10	9.210	1208	1211	1215	rVB	1734101	1368882	7.88%	0.622%
11	9.551	1265	1269	1272	rVV	467137	465105	2.68%	0.211%
12	9.604	1276	1278	1284	rVV2	349234	368573	2.12%	0.167%
13	9.757	1300	1304	1307	rBV	2233382	1895613	10.91%	0.861%
14	9.892	1325	1327	1330	rVV	1212824	954390	5.49%	0.433%
15	9.928	1330	1333	1336	rVB	1011388	845735	4.87%	0.384%
16	10.098	1358	1362	1366	rBV	1217743	1029645	5.93%	0.468%
17	10.210	1377	1381	1384	rBV2	317201	346935	2.00%	0.158%
18	10.439	1417	1420	1426	rVB2	1257253	1292911	7.44%	0.587%
19	10.598	1444	1447	1450	rVB	771317	636676	3.67%	0.289%
20	10.680	1457	1461	1465	rVV	1490598	1589879	9.15%	0.722%
21	10.810	1479	1483	1488	rVB3	383069	414596	2.39%	0.188%
22	10.992	1507	1514	1517	rBV4	480630	713900	4.11%	0.324%
23	11.122	1531	1536	1538	rBV2	620221	716369	4.12%	0.325%
24	11.145	1538	1540	1542	rVV	534363	447538	2.58%	0.203%
25	11.192	1545	1548	1552	rVB	1698853	1450749	8.35%	0.659%
26	11.233	1552	1555	1559	rBV2	624757	811120	4.67%	0.368%
27	11.280	1559	1563	1569	rVB	1268823	1288131	7.42%	0.585%
28	11.427	1575	1588	1590	rBV	6507489	12048979	69.36%	5.471%
29	11.469	1590	1595	1597	rVV	3907282	3769625	21.70%	1.712%
30	11.492	1597	1599	1602	rVB2	624133	558492	3.22%	0.254%
31	11.616	1614	1620	1622	rBV2	1869010	2064328	11.88%	0.937%
32	11.680	1628	1631	1635	rVB2	651009	614612	3.54%	0.279%
33	11.722	1635	1638	1642	rVB3	657241	744830	4.29%	0.338%
34	11.892	1662	1667	1669	rBV	2306184	2434010	14.01%	1.105%

LSC Area Percent Report

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Integrator: RTE
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Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF073019.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	11.922	1669	1672	1675	rVB	3454318	3155646	18.17%	1.433%
36	11.969	1675	1680	1683	rBV	1463964	1374987	7.92%	0.624%
37	12.004	1683	1686	1688	rBV2	3445243	3880146	22.34%	1.762%
38	12.027	1688	1690	1694	rVB	2153809	1699632	9.78%	0.772%
39	12.063	1694	1696	1699	rBV2	400309	445487	2.56%	0.202%
40	12.180	1713	1716	1719	rVV	2240262	2086807	12.01%	0.948%
41	12.221	1719	1723	1727	rVV	1837796	2223337	12.80%	1.010%
42	12.333	1738	1742	1744	rBV	702122	697913	4.02%	0.317%
43	12.363	1744	1747	1749	rBV	662049	538653	3.10%	0.245%
44	12.386	1749	1751	1756	rVB2	519401	549027	3.16%	0.249%
45	12.439	1756	1760	1763	rBV	1483500	1915160	11.03%	0.870%
46	12.480	1763	1767	1773	rVV3	894204	1767950	10.18%	0.803%
47	12.557	1774	1780	1784	rVB	1908515	2867268	16.51%	1.302%
48	12.639	1784	1794	1797	rBV	6419075	17371037	100.00%	7.888%
49	12.674	1797	1800	1803	rVV2	691736	736172	4.24%	0.334%
50	12.710	1803	1806	1811	rVB	1380531	1437238	8.27%	0.653%
51	12.763	1811	1815	1819	rBV2	2076356	2302810	13.26%	1.046%
52	12.857	1824	1831	1832	rBV2	6040918	10815675	62.26%	4.911%
53	12.963	1844	1849	1853	rBV2	2208940	3325491	19.14%	1.510%
54	13.004	1853	1856	1859	rVB	1853223	1842019	10.60%	0.836%
55	13.063	1859	1866	1869	rBV2	2161443	4027304	23.18%	1.829%
56	13.145	1876	1880	1882	rVV3	1747720	2365334	13.62%	1.074%
57	13.168	1882	1884	1887	rVB	2576927	2562761	14.75%	1.164%
58	13.198	1887	1889	1892	rBV3	457686	600430	3.46%	0.273%
59	13.233	1892	1895	1898	rVV	1365864	1235915	7.11%	0.561%
60	13.274	1898	1902	1905	rVV2	2681476	3611024	20.79%	1.640%
61	13.327	1909	1911	1914	rBV2	716483	618759	3.56%	0.281%
62	13.368	1914	1918	1920	rBV	1642834	1491310	8.59%	0.677%
63	13.398	1920	1923	1926	rVV2	1686034	1680490	9.67%	0.763%
64	13.457	1930	1933	1935	rBV3	366198	387354	2.23%	0.176%
65	13.545	1944	1948	1950	rBV2	580768	743493	4.28%	0.338%
66	13.586	1953	1955	1958	rVB	560087	532480	3.07%	0.242%
67	13.686	1968	1972	1975	rVB	2651081	2747200	15.81%	1.248%
68	13.792	1985	1990	1992	rBV2	2298709	3198472	18.41%	1.452%
69	13.816	1992	1994	1997	rVB	1956420	1712625	9.86%	0.778%
70	13.851	1997	2000	2005	rVB3	1915819	2569051	14.79%	1.167%
71	13.904	2005	2009	2013	rVB	2332310	3008085	17.32%	1.366%

LSC Area Percent Report

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Sample : K4049-04 2X
Misc :
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Instrument : BNA_F
ClientSampleId : SP-4

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
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72	13.957	2013	2018	2024	rBV	611790	1034417	5.95%	0.470%
73	14.051	2025	2034	2037	rBV3	5172516	13773708	79.29%	6.255%
74	14.163	2050	2053	2055	rBV	1645274	1404927	8.09%	0.638%
75	14.198	2055	2059	2061	rBV2	968655	1123601	6.47%	0.510%
76	14.268	2068	2071	2075	rBV3	1682779	1999401	11.51%	0.908%
77	14.304	2075	2077	2080	rVB2	644201	521920	3.00%	0.237%
78	14.363	2084	2087	2089	rVB	536162	432948	2.49%	0.197%
79	14.392	2089	2092	2094	rBV	886931	929145	5.35%	0.422%
80	14.433	2095	2099	2101	rVB	2094518	2151324	12.38%	0.977%
81	14.463	2101	2104	2108	rVB2	1145180	1133229	6.52%	0.515%
82	14.504	2109	2111	2113	rBV2	483523	446505	2.57%	0.203%
83	14.557	2117	2120	2122	rBV2	1278094	1316923	7.58%	0.598%
84	14.621	2127	2131	2134	rVB2	879082	938035	5.40%	0.426%
85	14.745	2149	2152	2161	rVB6	717339	1324239	7.62%	0.601%
86	14.933	2180	2184	2188	rBV2	1084781	1400029	8.06%	0.636%
87	15.127	2206	2217	2219	rBV2	4478269	12631498	72.72%	5.736%
88	15.215	2228	2232	2235	rVB	1859048	2011309	11.58%	0.913%
89	15.292	2242	2245	2246	rBV2	517465	576602	3.32%	0.262%
90	15.421	2260	2267	2272	rVV	2901181	5397798	31.07%	2.451%
91	15.498	2272	2280	2283	rVB	4062049	7876182	45.34%	3.577%
92	15.533	2283	2286	2288	rBV	509626	538822	3.10%	0.245%
93	15.574	2288	2293	2298	rVB2	2071470	3164093	18.21%	1.437%
94	16.092	2378	2381	2385	rVB2	329677	421466	2.43%	0.191%
95	16.809	2499	2503	2507	rBV3	333940	589167	3.39%	0.268%
96	17.045	2532	2543	2547	rVB2	2153749	5915082	34.05%	2.686%
97	17.192	2561	2568	2572	rBV	646627	1404328	8.08%	0.638%
98	17.251	2573	2578	2587	rVV2	515276	1142750	6.58%	0.519%
99	17.498	2610	2620	2629	rVB	1799969	5128115	29.52%	2.329%
100	17.721	2653	2658	2670	rVB2	695532	1685301	9.70%	0.765%

Sum of corrected areas: 220214388

LSC Report - Integrated Chromatogram

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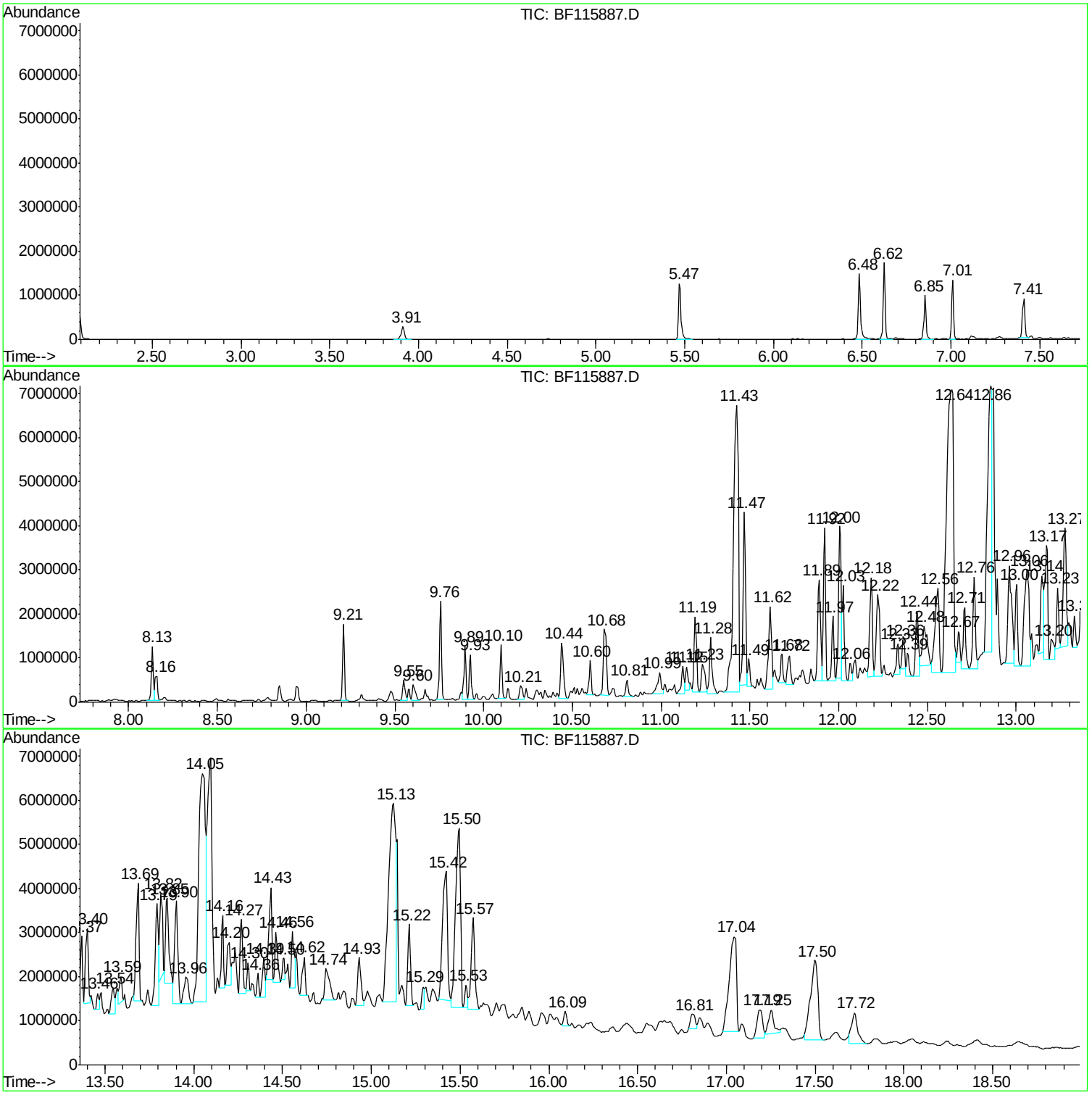
Sample : K4049-04 2X
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SP-4

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF073019.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\BF073119\
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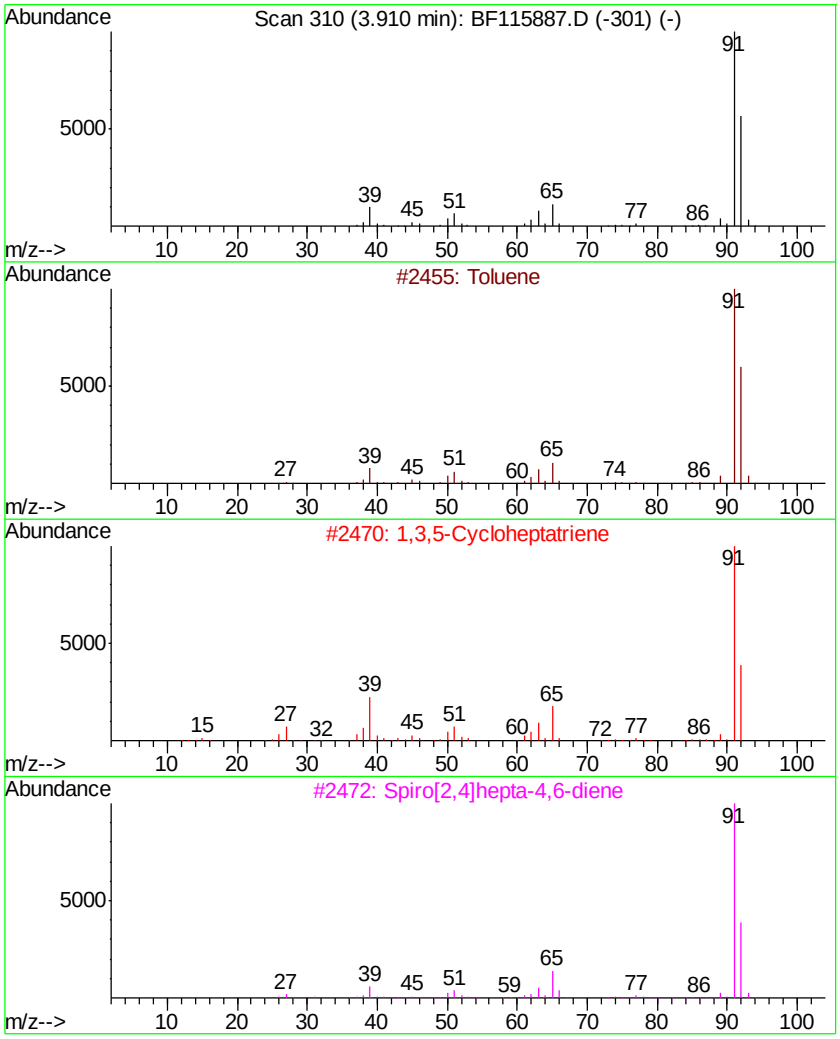
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

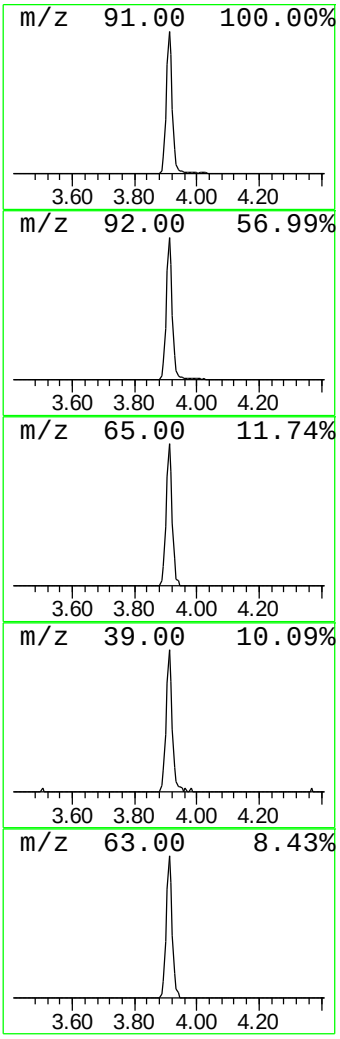
****

Peak Number 1 1,3,5-Cycloheptatriene Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.91	9.61 ng	394880	1,4-Dichlorobenzene-d4	6.85

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Toluene	92	C7H8	000108-88-3	95
2	1,3,5-Cycloheptatriene	92	C7H8	000544-25-2	90
3	Spiro[2,4]hepta-4,6-diene	92	C7H8	000765-46-8	74
4	Molybdenum, di-.mu.-chlorobis[(1...	532	C20H26Cl2Mo2	035625-66-2	72
5	2,5-Norbornadiene	92	C7H8	000121-46-0	64





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Instrument : BNA_F
ClientSampleId : SP-4

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF073019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

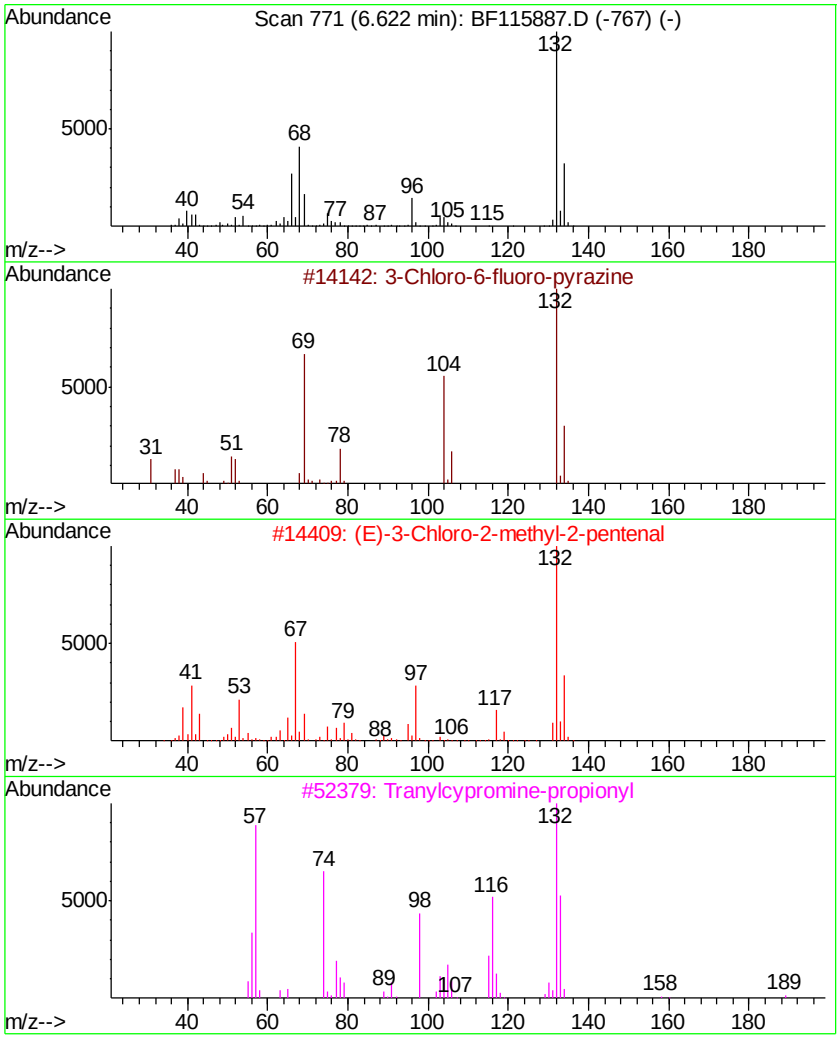
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

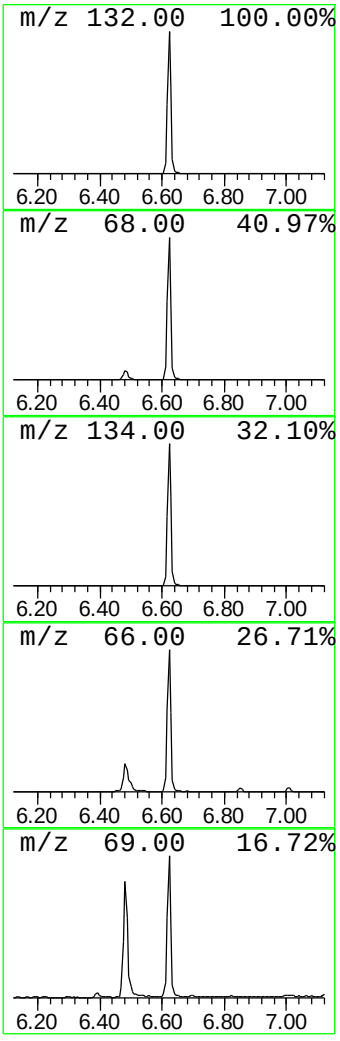
****

Peak Number 2 unknown6.62 Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.62	34.84 ng	1431180	1,4-Dichlorobenzene-d4	6.85

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	16
2	(E)-3-Chloro-2-methyl-2-pentenal	132	C6H9ClO	031357-76-3	12
3	Tranylcypromine-propionyl	189	C12H15NO	1000123-86-3	12
4	Amphetaminil	250	C17H18N2	017590-01-1	10
5	1,3,5-Trifluorobenzene	132	C6H3F3	000372-38-3	9





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TIC Library : C:\DATABASE\NIST11.L
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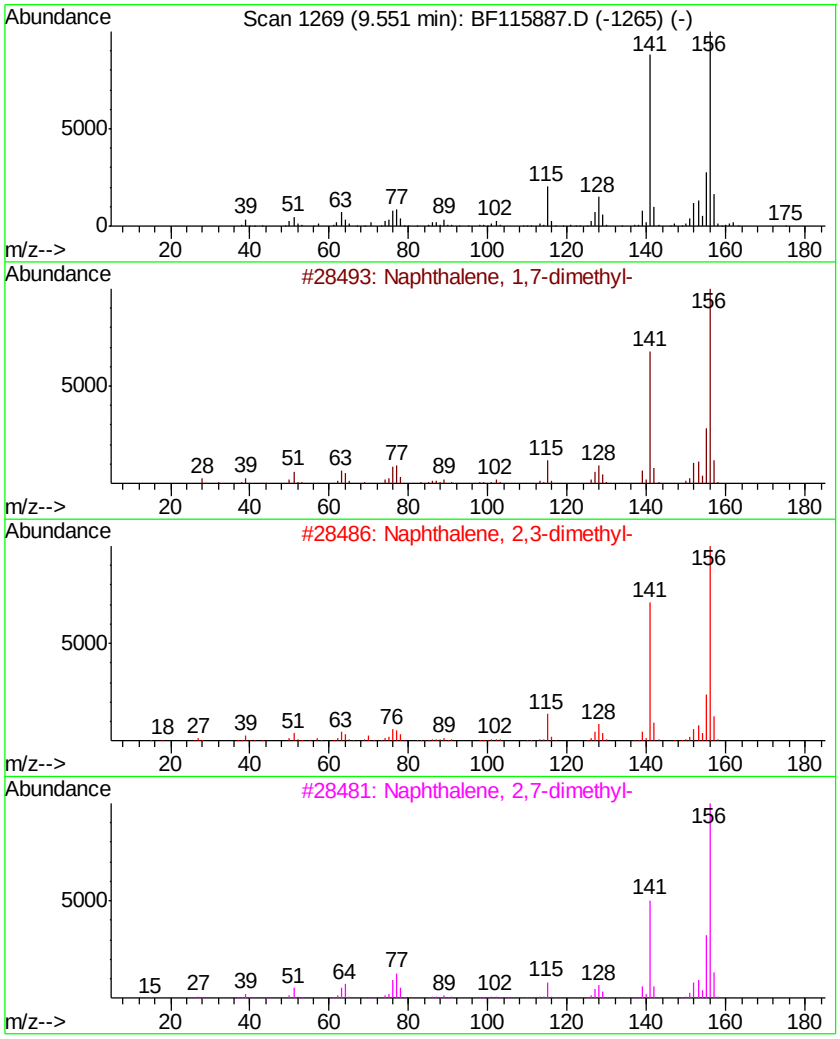
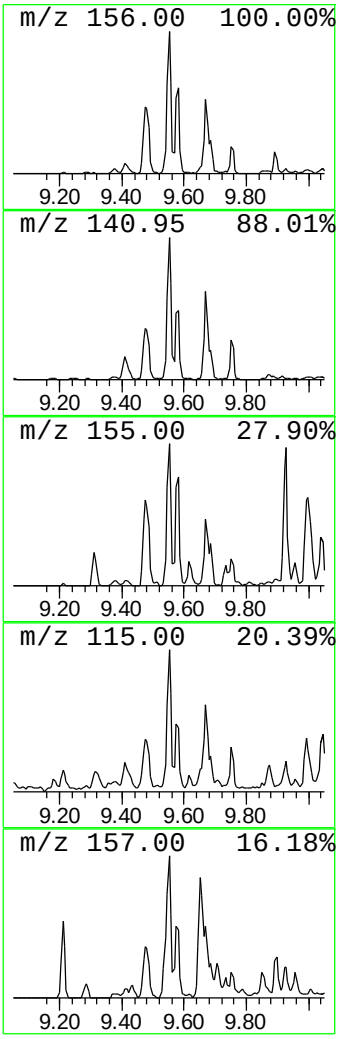
Peak Number 4 Naphthalene, 1,7-dimethyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.55	9.75 ng	465105	Acenaphthene-d10	9.89

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	97
2	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	96
3	Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	96
4	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	96
5	Naphthalene, 1,4-dimethyl-	156	C12H12	000571-58-4	96





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Instrument : BNA_F
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF073019.M
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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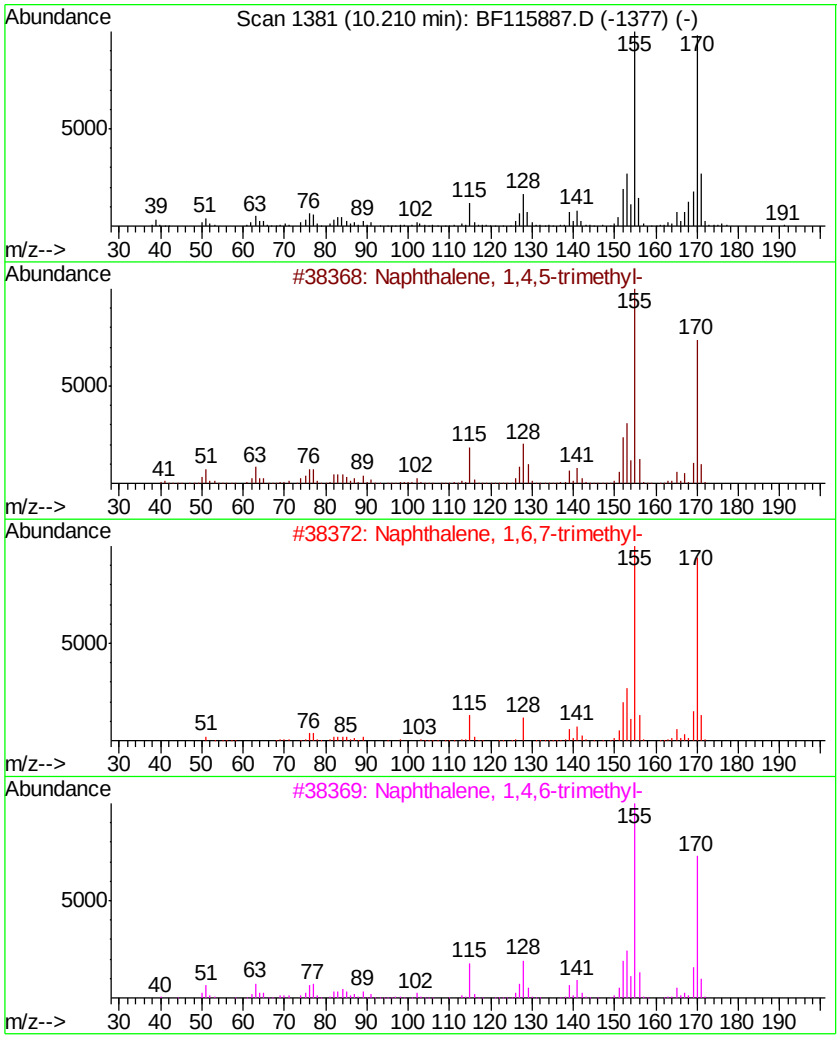
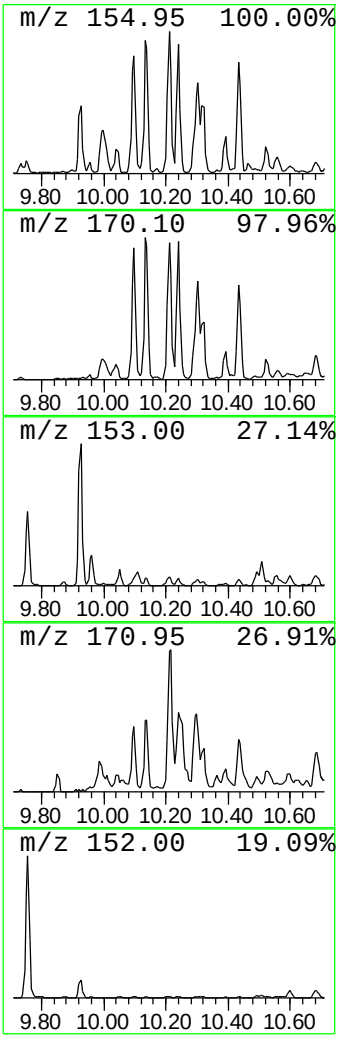
Peak Number 5 Naphthalene, 1,4,5-trimethyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.21	7.27 ng	346935	Acenaphthene-d10	9.89

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,4,5-trimethyl-	170	C13H14	002131-41-1	96
2	Naphthalene, 1,6,7-trimethyl-	170	C13H14	002245-38-7	96
3	Naphthalene, 1,4,6-trimethyl-	170	C13H14	002131-42-2	95
4	Naphthalene, 2,3,6-trimethyl-	170	C13H14	000829-26-5	94
5	4,6,8-Trimethylazulene	170	C13H14	000941-81-1	91





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Sample : K4049-04 2X
Misc :
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Instrument : BNA_F
ClientSampleId : SP-4

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF073019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

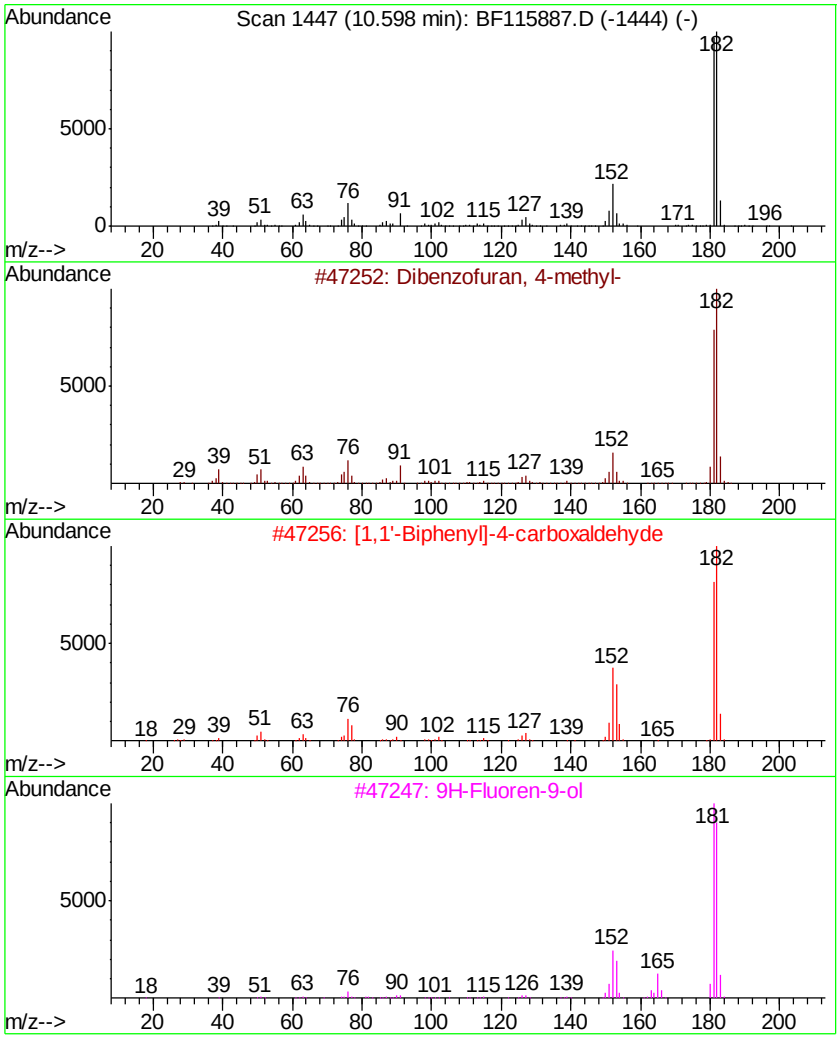
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

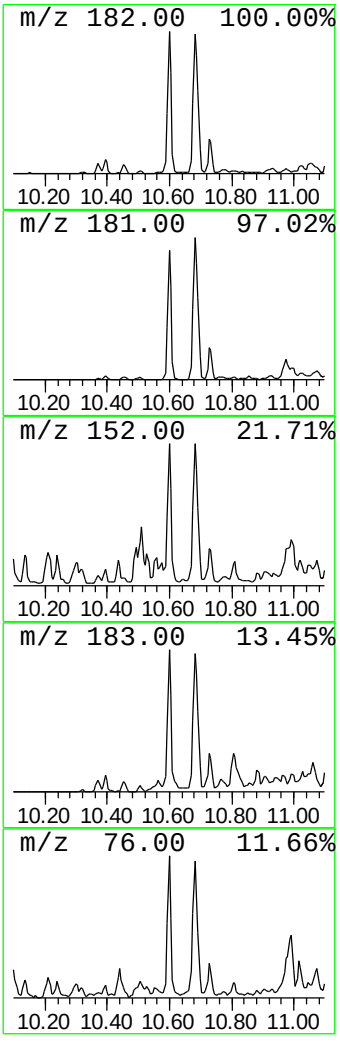
****

Peak Number 6 Dibenzofuran, 4-methyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.60	13.34 ng	636676	Acenaphthene-d10	9.89

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzofuran, 4-methyl-	182	C13H10O	007320-53-8	91
2	[1,1'-Biphenyl]-4-carboxaldehyde	182	C13H10O	003218-36-8	91
3	9H-Fluoren-9-ol	182	C13H10O	001689-64-1	78
4	9H-Xanthene	182	C13H10O	000092-83-1	64
5	Norharmane, N-methyl-	182	C12H10N2	1000374-78-6	64





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Acq On : 1 Aug 2019 00:45
Operator : HP/JU
Sample : K4049-04 2X
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SP-4

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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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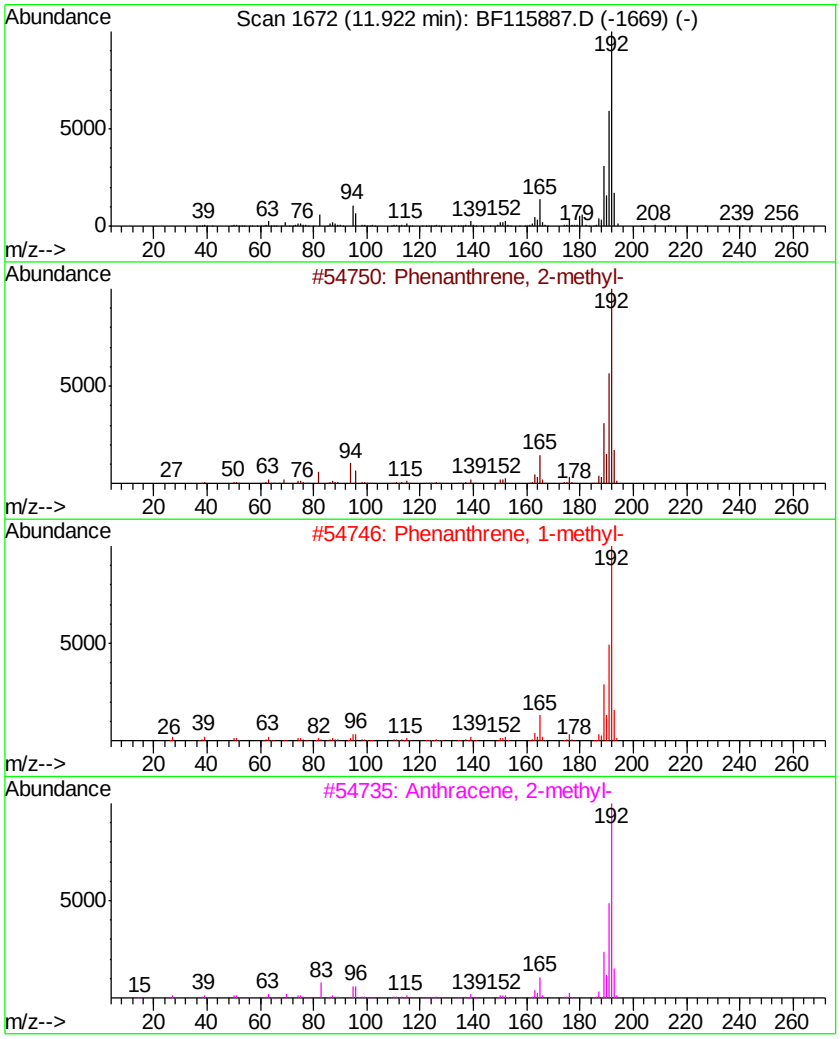
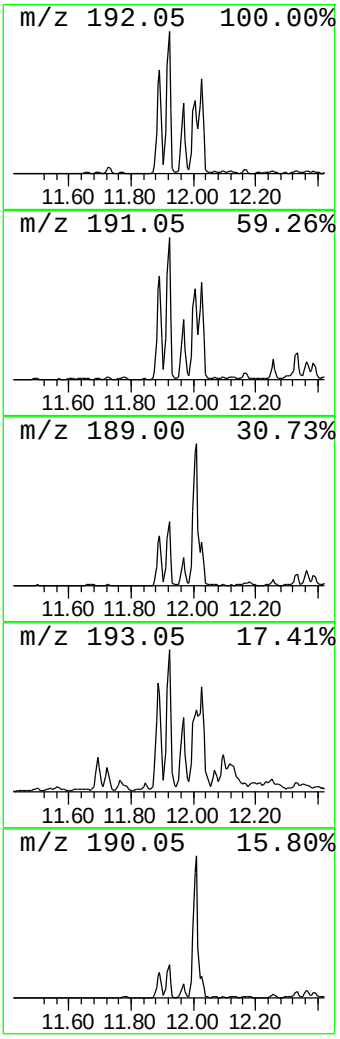
Peak Number 7 Phenanthrene, 2-methyl- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.92	5.24 ng	3155650	Phenanthrene-d10	11.39

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	98
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	96
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
4	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	95
5	1H-Indene, 1-phenyl-	192	C15H12	001961-96-2	94





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Misc :
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Instrument : BNA_F
ClientSampleId : SP-4

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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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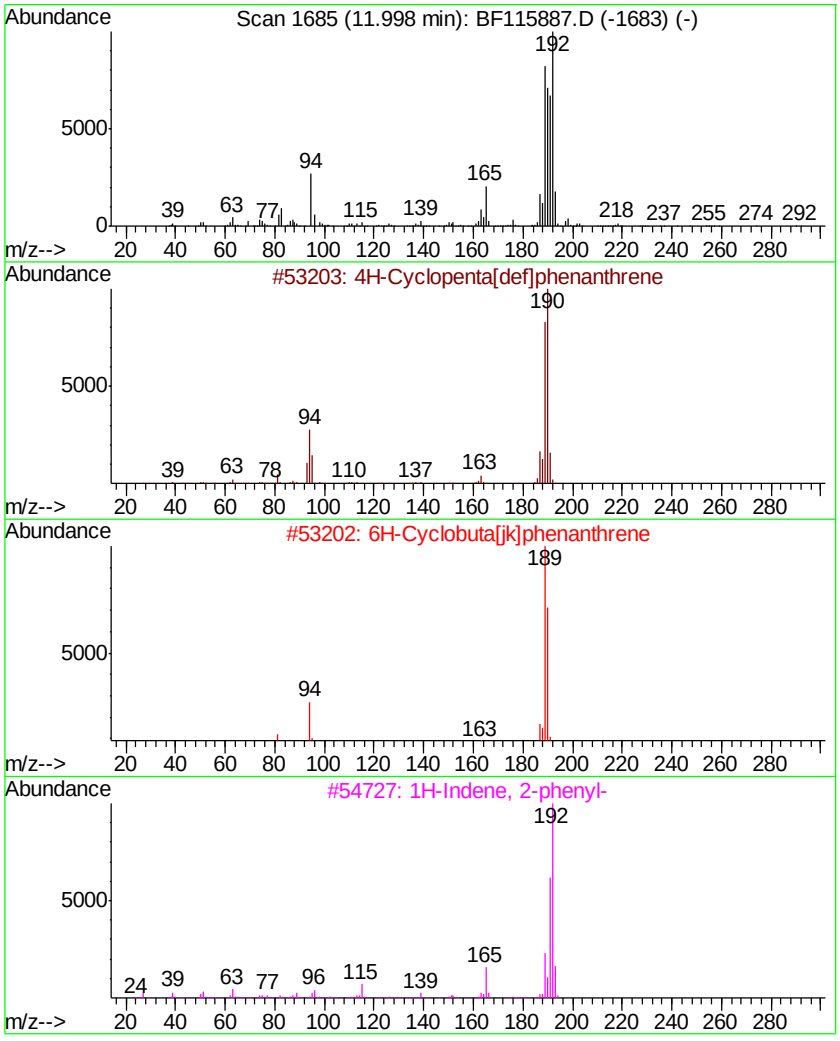
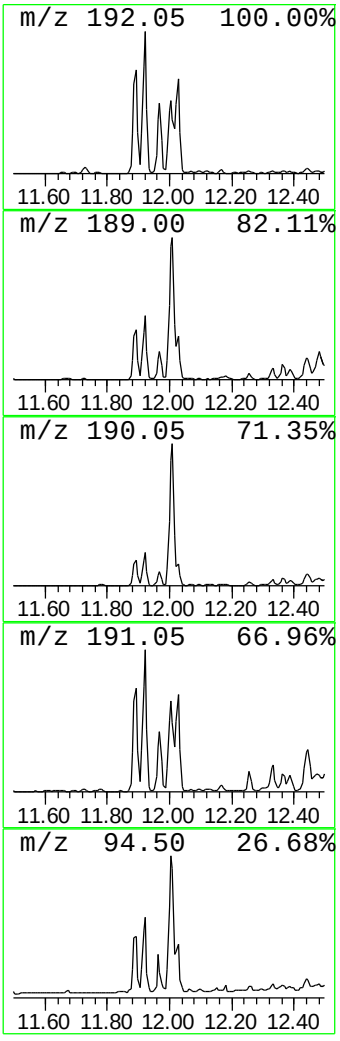
Peak Number 8 4H-Cyclopenta[def]phenanthrene Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.00	6.44 ng	3880150	Phenanthrene-d10	11.39

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	53
2	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	52
3	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	42
4	Anthracene, 2-methyl-	192	C15H12	000613-12-7	38
5	Naphtho[2,3-b]norbornadiene	192	C15H12	107426-38-0	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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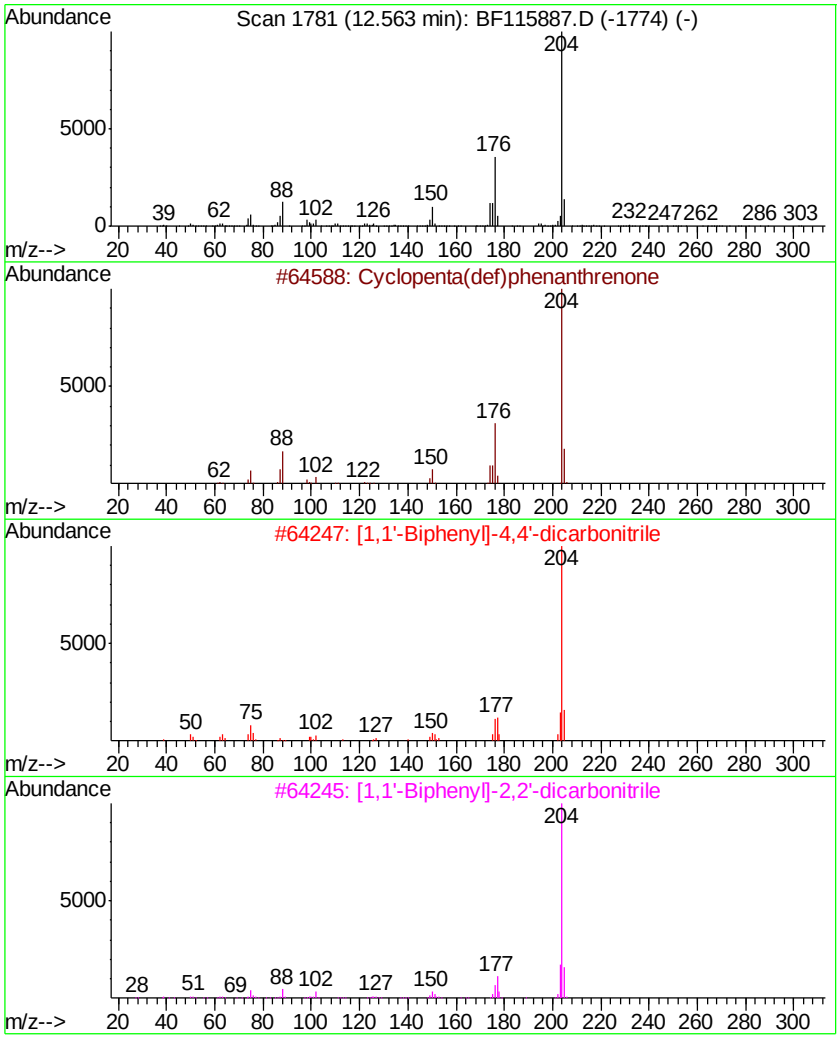
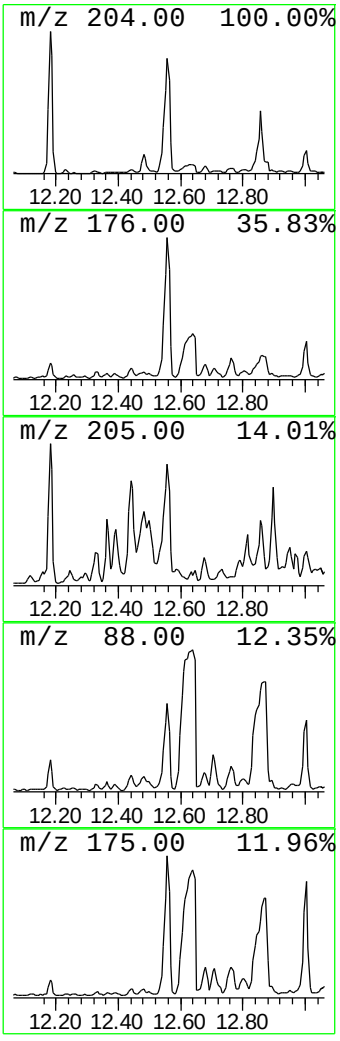
Peak Number 9 Cyclopenta(def)phenanthrenone Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.56	4.76 ng	2867270	Phenanthrene-d10	11.39

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	97
2	[1,1'-Biphenyl]-4,4'-dicarbonitrile	204	C14H8N2	001591-30-6	53
3	[1,1'-Biphenyl]-2,2'-dicarbonitrile	204	C14H8N2	004341-02-0	45
4	1,2,4,8-Tetramethylbicyclo[6.3.0...	204	C15H24	137235-51-9	43
5	9-Acridinecarbonitrile	204	C14H8N2	005326-19-2	42





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Misc :
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Instrument : BNA_F
ClientSampleId : SP-4

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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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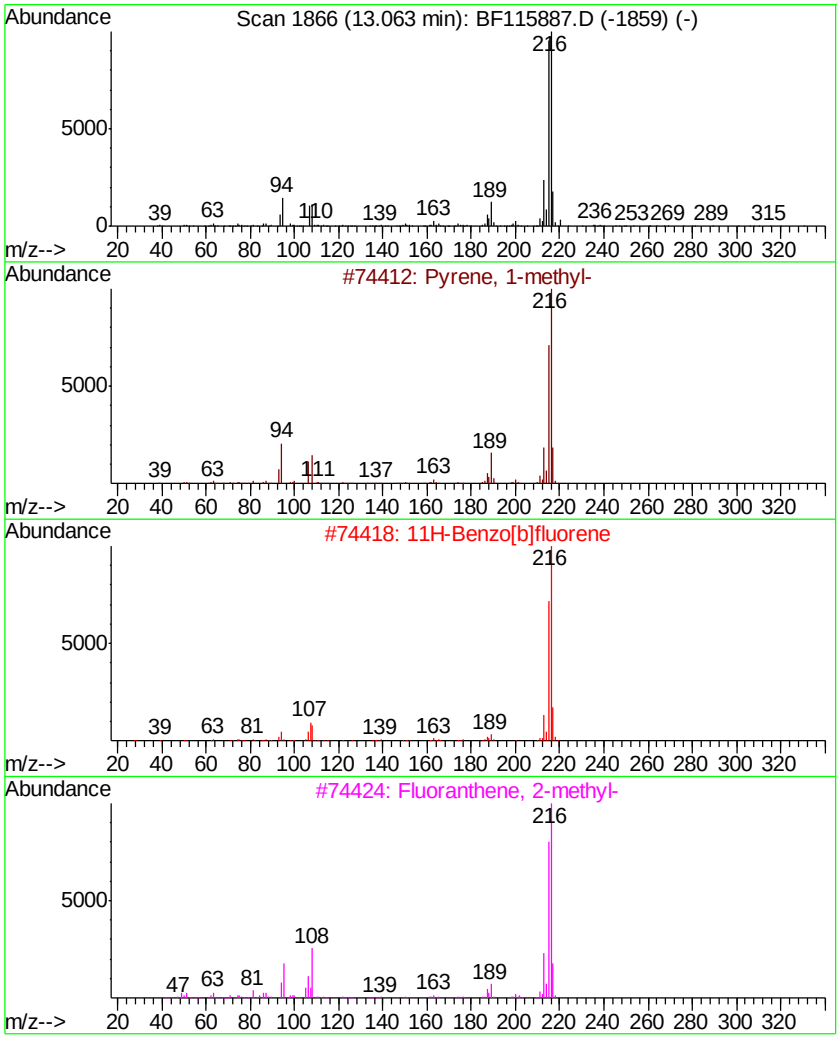
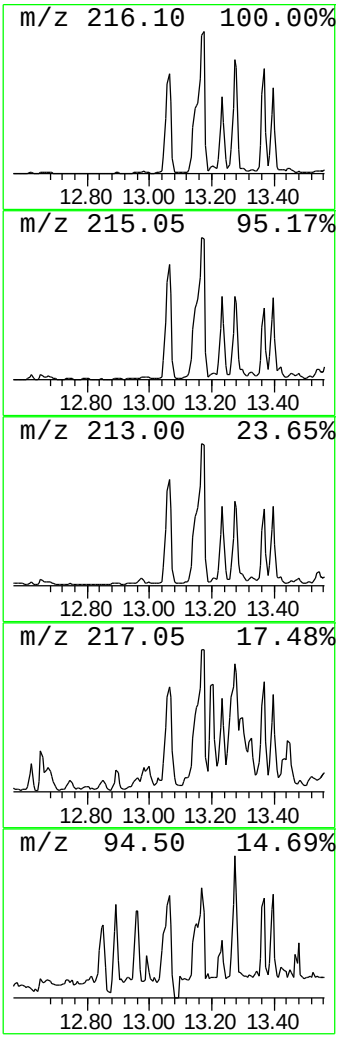
Peak Number 10 Pyrene, 1-methyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.06	5.85 ng	4027300	Chrysene-d12	14.06

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	98
2	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	94
3	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	93
4	Pyrene, 2-methyl-	216	C17H12	003442-78-2	86
5	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	81





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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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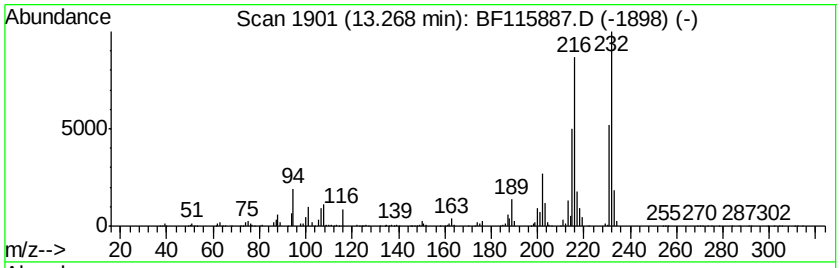
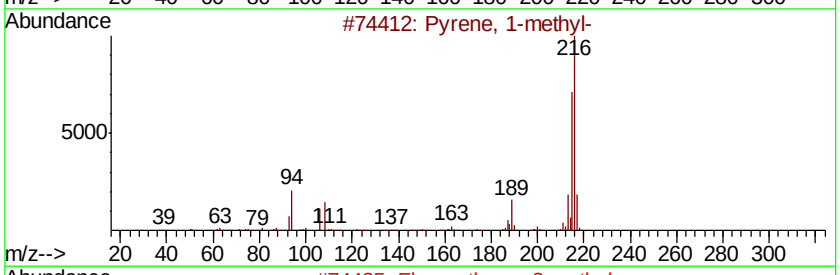
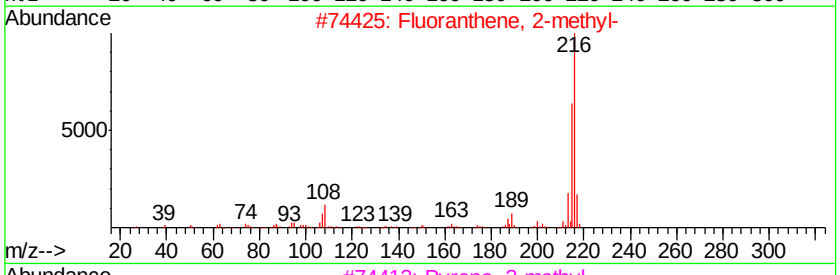
Peak Number 11 Fluoranthene, 2-methyl- Concentration Rank 17

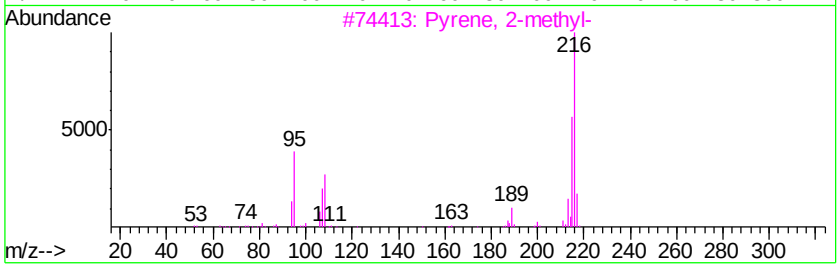
R.T.	EstConc	Area	Relative to ISTD	R.T.
13.27	5.24 ng	3611020	Chrysene-d12	14.06

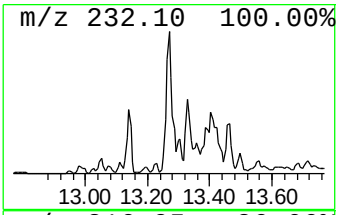
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	96
2	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	95
3	Pyrene, 2-methyl-	216	C17H12	003442-78-2	83
4	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	64
5	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	58

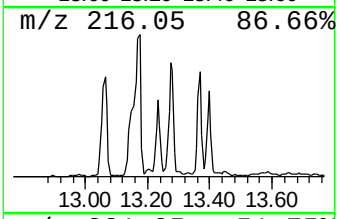


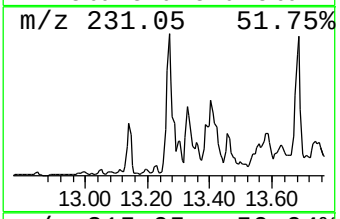


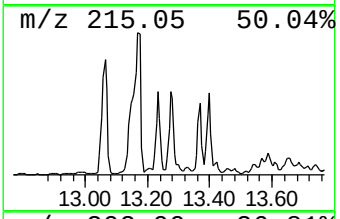


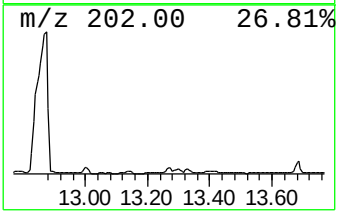












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Sample : K4049-04 2X
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SP-4

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF073019.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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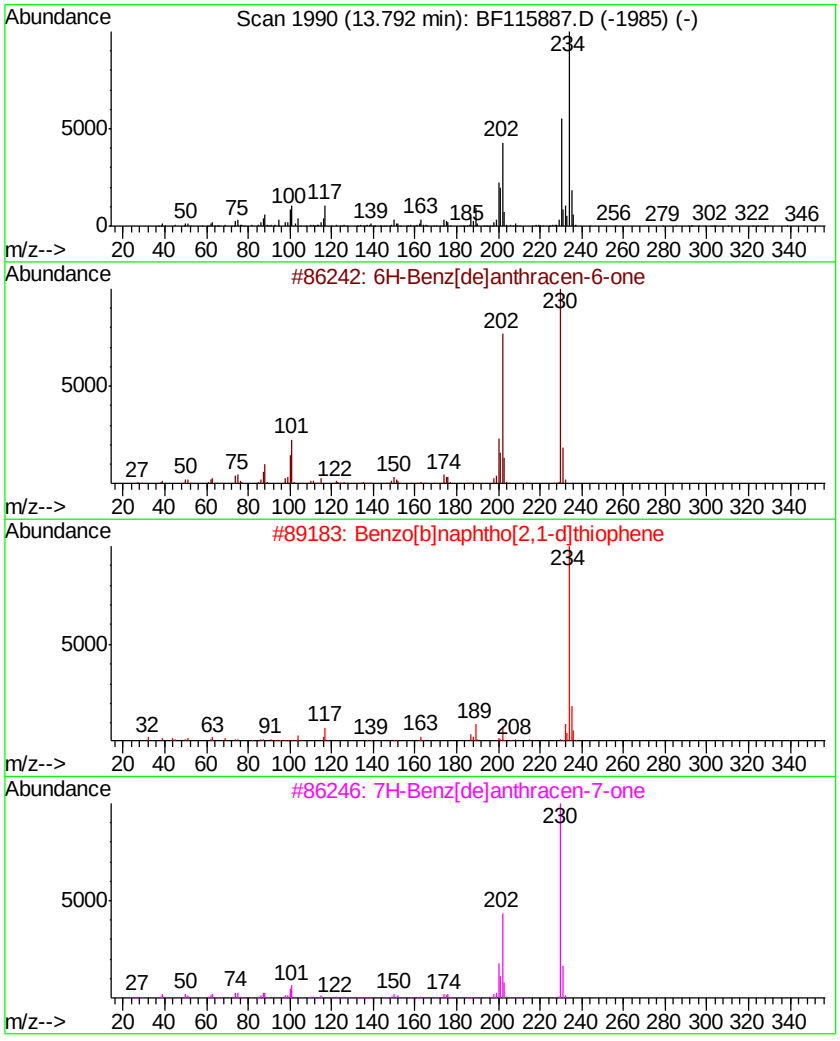
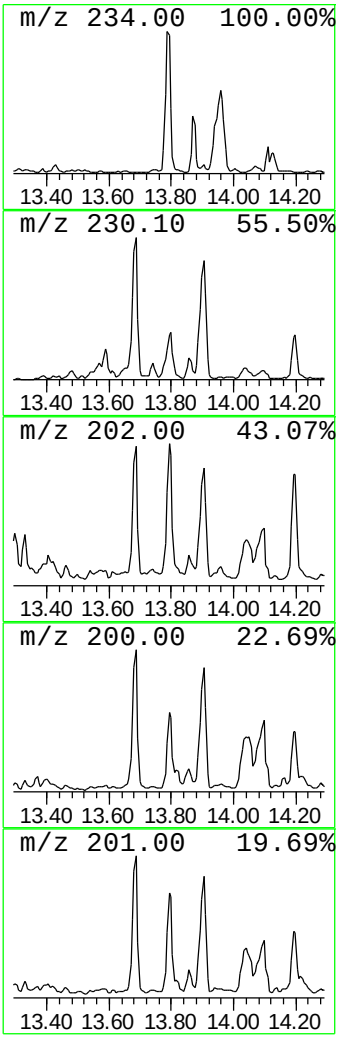
Peak Number 12 6H-Benz[de]anthracen-6-one Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.79	4.64 ng	3198470	Chrysene-d12	14.06

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	6H-Benz[de]anthracen-6-one	230	C17H10O	080252-14-8	93
2	Benzo[b]naphtho[2,1-d]thiophene	234	C16H10S	000239-35-0	90
3	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	52
4	Benzo[b]naphtho[1,2-d]thiophene	234	C16H10S	000205-43-6	50
5	Benzo[b]naphtho[2,3-d]thiophene	234	C16H10S	000243-46-9	45





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

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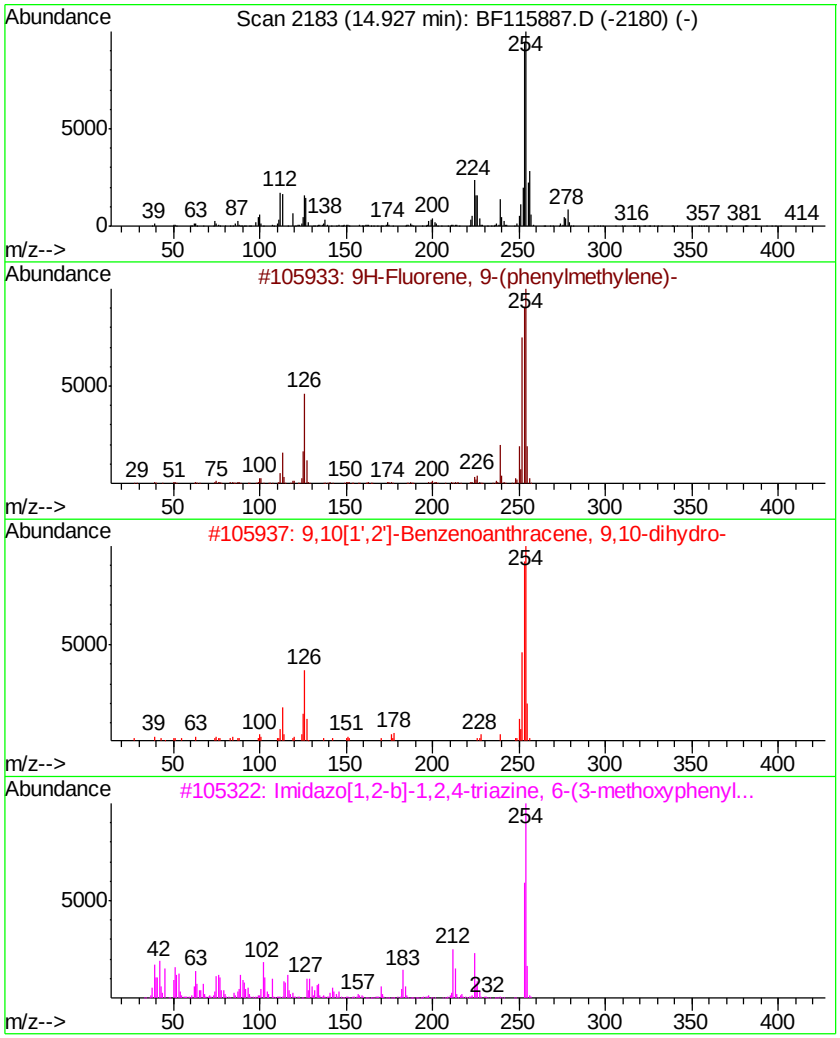
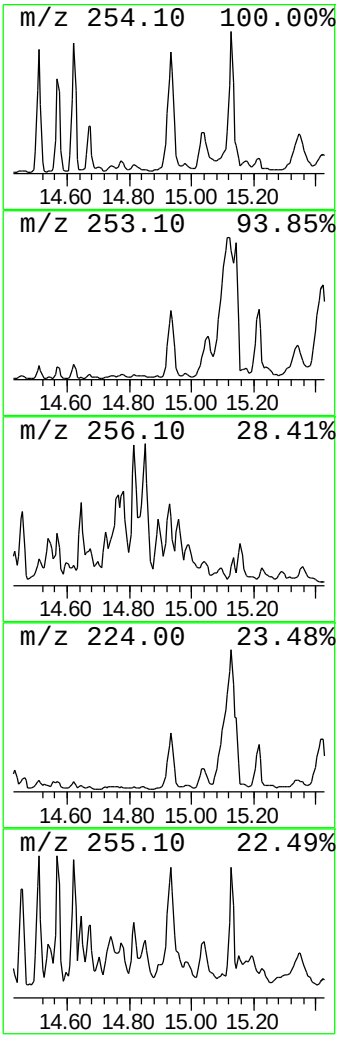
Peak Number 13 9H-Fluorene, 9-(phenylmethy... Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.93	51.97 ng	1400030	Perylene-d12	15.53

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluorene, 9-(phenylmethylene)-	254	C20H14	001836-87-9	76
2	9,10[1',2']-Benzenoanthracene, 9...	254	C20H14	000477-75-8	68
3	Imidazo[1,2-b]-1,2,4-triazine, 6...	254	C14H14N4O	1000277-24-4	64
4	1,1'-Binaphthalene	254	C20H14	000604-53-5	64
5	1,2'-Binaphthalene	254	C20H14	004325-74-0	64





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Misc :
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TIC Integration Parameters: LSCINT.P

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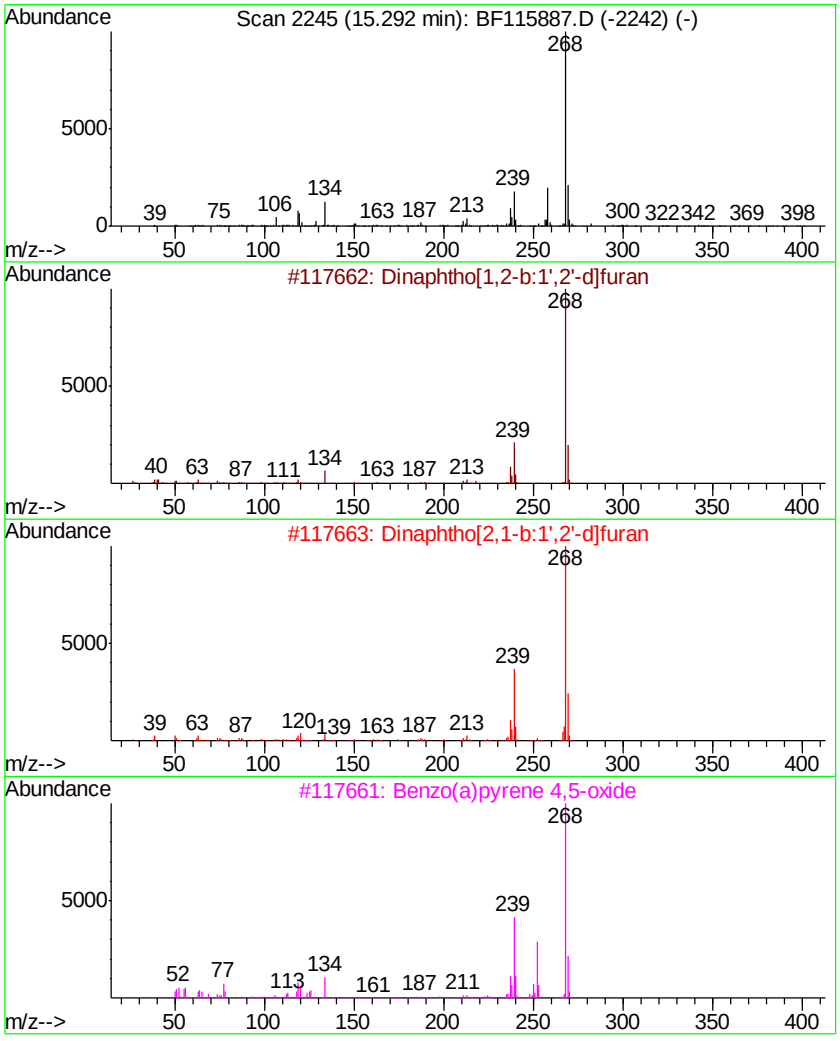
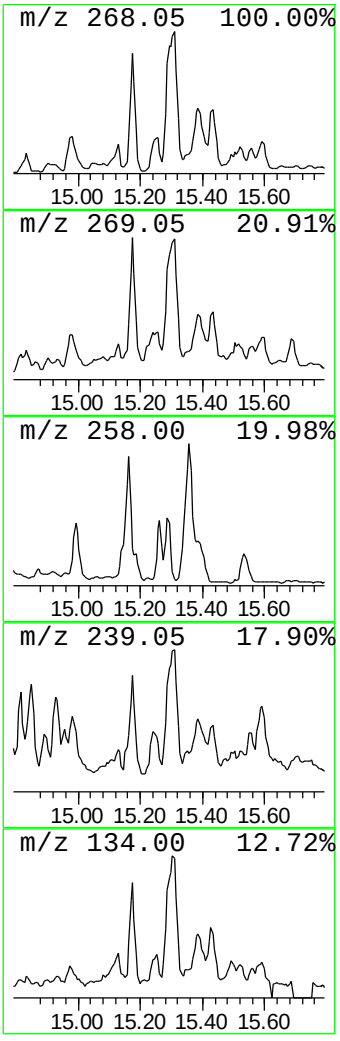
Peak Number 15 Dinaphtho[1,2-b:1',2'-d]furan Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.29	21.40 ng	576602	Perylene-d12	15.53

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dinaphtho[1,2-b:1',2'-d]furan	268	C20H12O	000207-93-2	81
2	Dinaphtho[2,1-b:1',2'-d]furan	268	C20H12O	000194-63-8	72
3	Benzo(a)pyrene 4,5-oxide	268	C20H12O	037574-47-3	59
4	9,10-Dihydro-8-methylbenzo[a]pyrene	268	C21H16	089524-72-1	53
5	Pyrrolo[3,2-f]quinolin-9-one, 1,...	268	C17H20N2O	1000302-73-3	53





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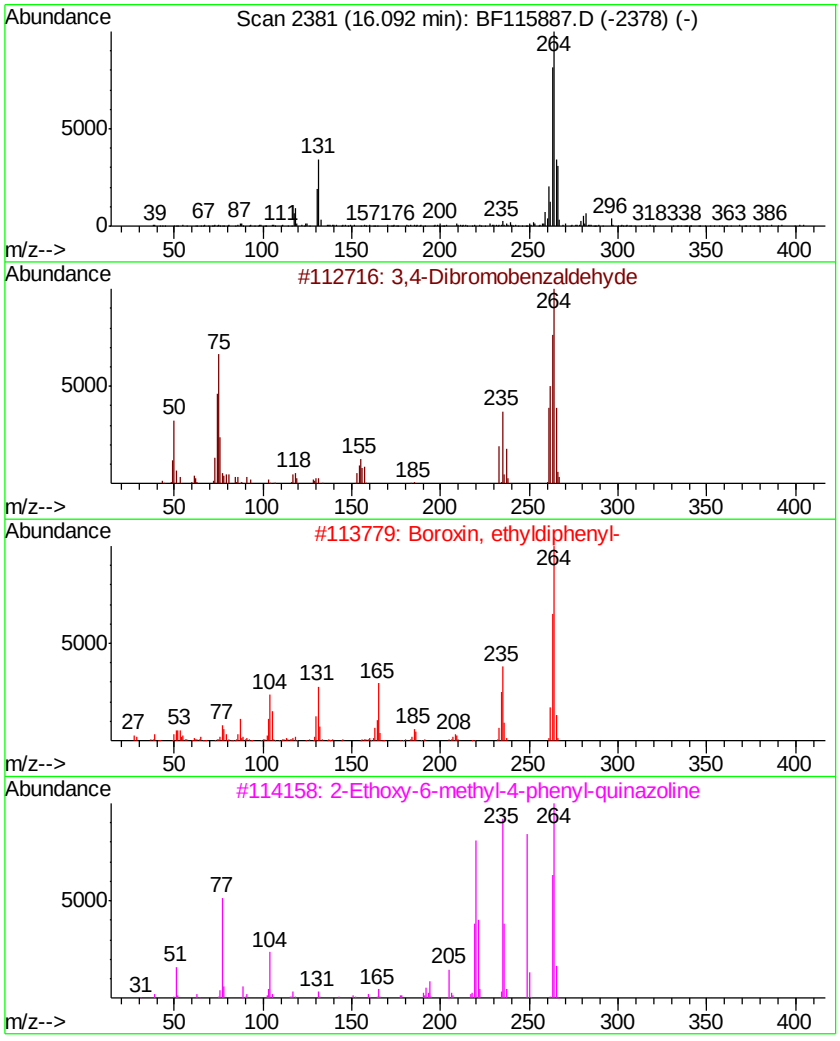
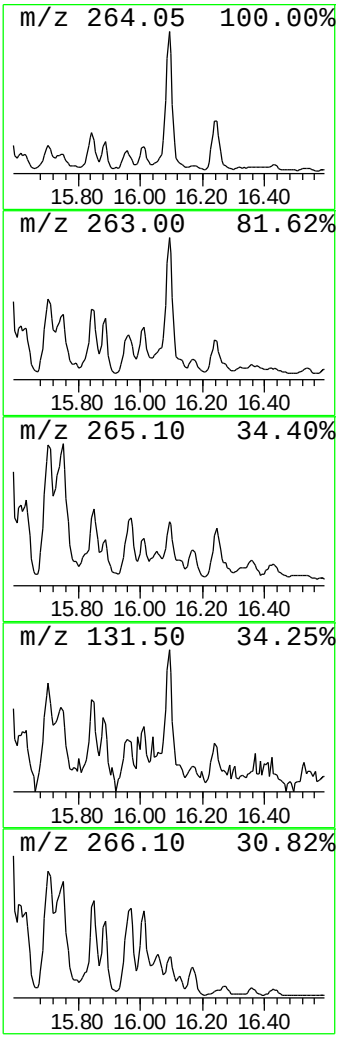
Peak Number 16 3,4-Dibromobenzaldehyde Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.09	15.64 ng	421466	Perylene-d12	15.53

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3,4-Dibromobenzaldehyde	262	C7H4Br2O	074003-55-7	58
2	Boroxin, ethyldiphenyl-	264	C14H15B3O3	1000151-82-0	53
3	2-Ethoxy-6-methyl-4-phenyl-quina...	264	C17H16N2O	1000318-42-5	47
4	2-Bromo-5-fluorobenzyl alcohol, ...	318	C13H20BrFOSi	1000364-15-6	35
5	1H-Pyrazole-4-carbonitrile, 3-(4...	263	C12H10ClN3S	068364-67-0	35





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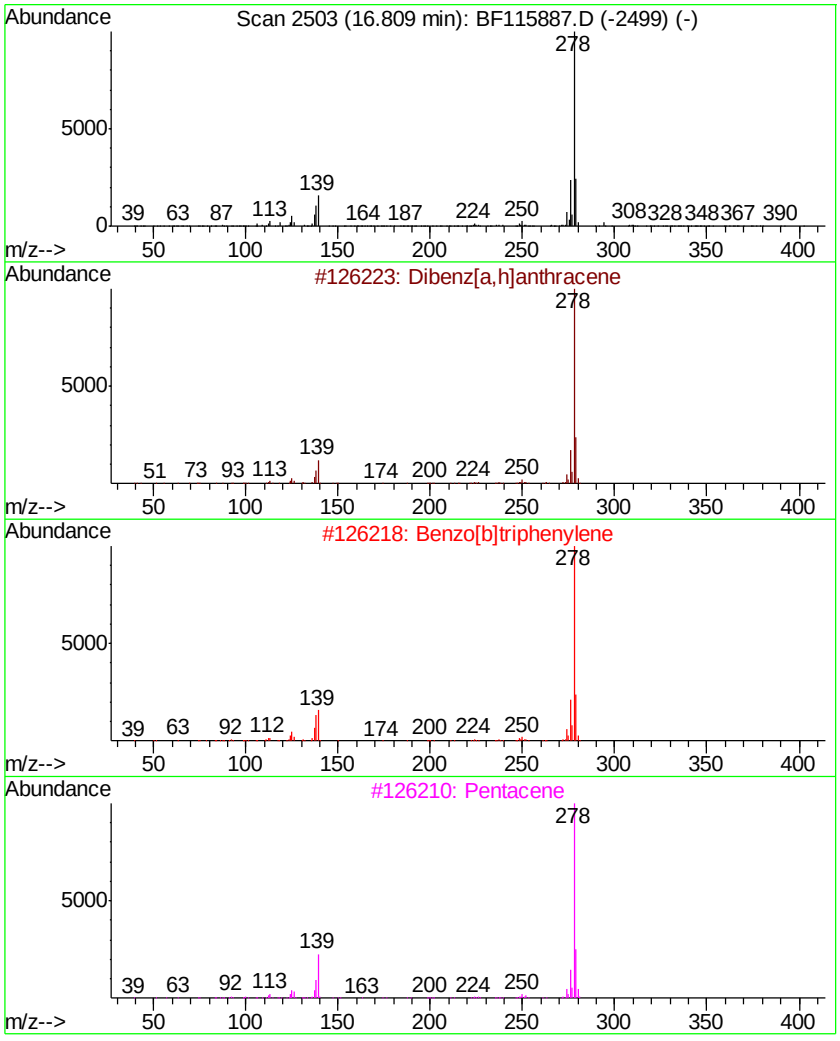
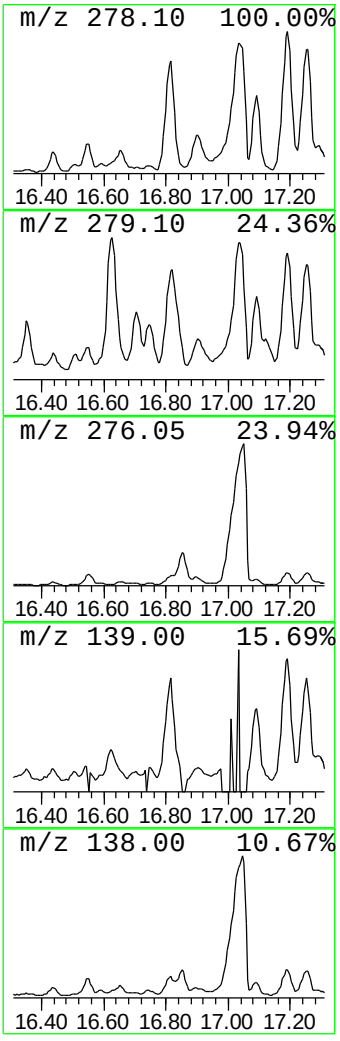
Peak Number 17 Pentacene Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.81	21.87 ng	589167	Perylene-d12	15.53

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenz[a,h]anthracene	278	C22H14	000053-70-3	93
2	Benzo[b]triphenylene	278	C22H14	000215-58-7	93
3	Pentacene	278	C22H14	000135-48-8	91
4	p-Bis(phenylethynyl)benzene	278	C22H14	001849-27-0	90
5	Pentaphene	278	C22H14	000222-93-5	90





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Data File : BF115887.D
Acq On : 1 Aug 2019 00:45
Operator : HP/JU
Sample : K4049-04 2X
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SP-4

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF073019.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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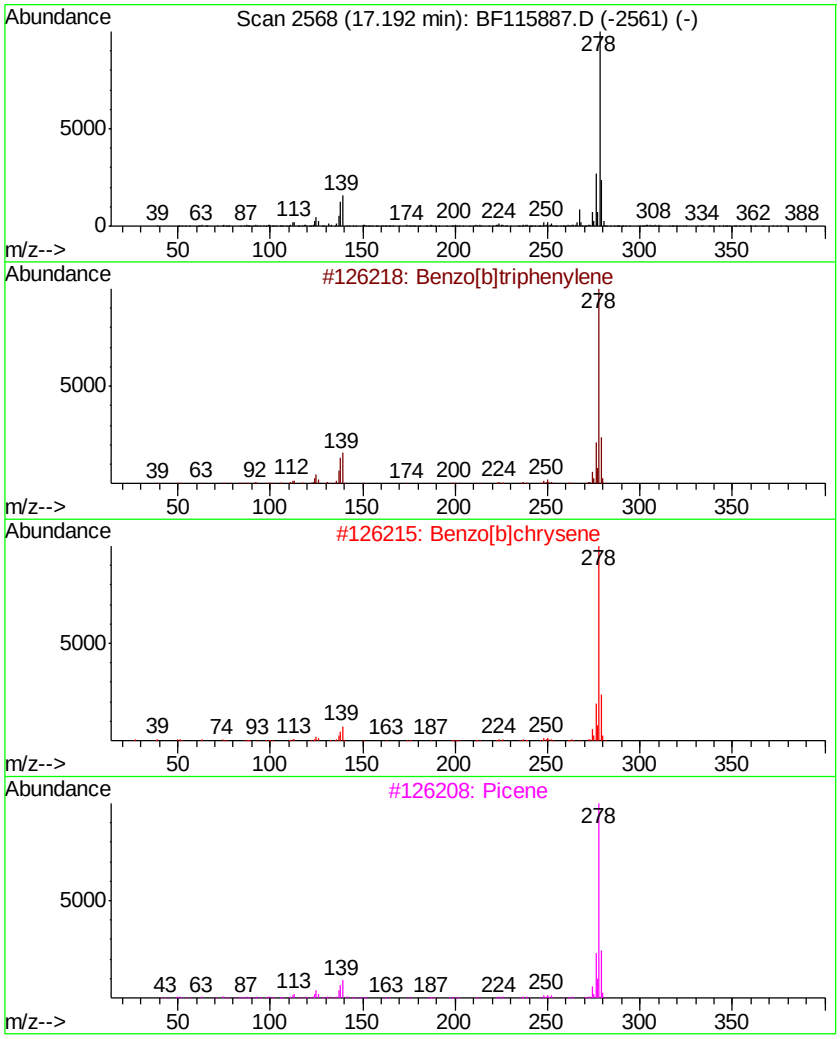
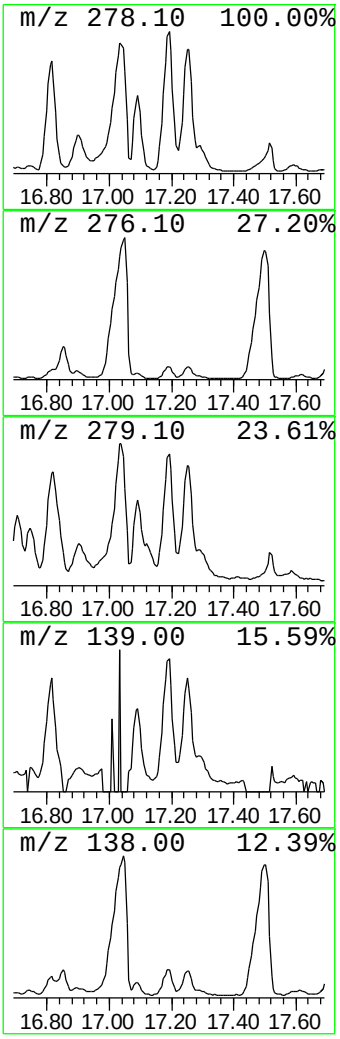
Peak Number 18 Benzo[b]triphenylene Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.19	52.13 ng	1404330	Perylene-d12	15.53

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[b]triphenylene	278	C22H14	000215-58-7	99
2	Benzo[b]chrysene	278	C22H14	000214-17-5	98
3	Picene	278	C22H14	000213-46-7	98
4	Dibenz[a,h]anthracene	278	C22H14	000053-70-3	98
5	Pentaphene	278	C22H14	000222-93-5	94





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF073119\
Data File : BF115887.D
Acq On : 1 Aug 2019 00:45
Operator : HP/JU
Sample : K4049-04 2X
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SP-4

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF073019.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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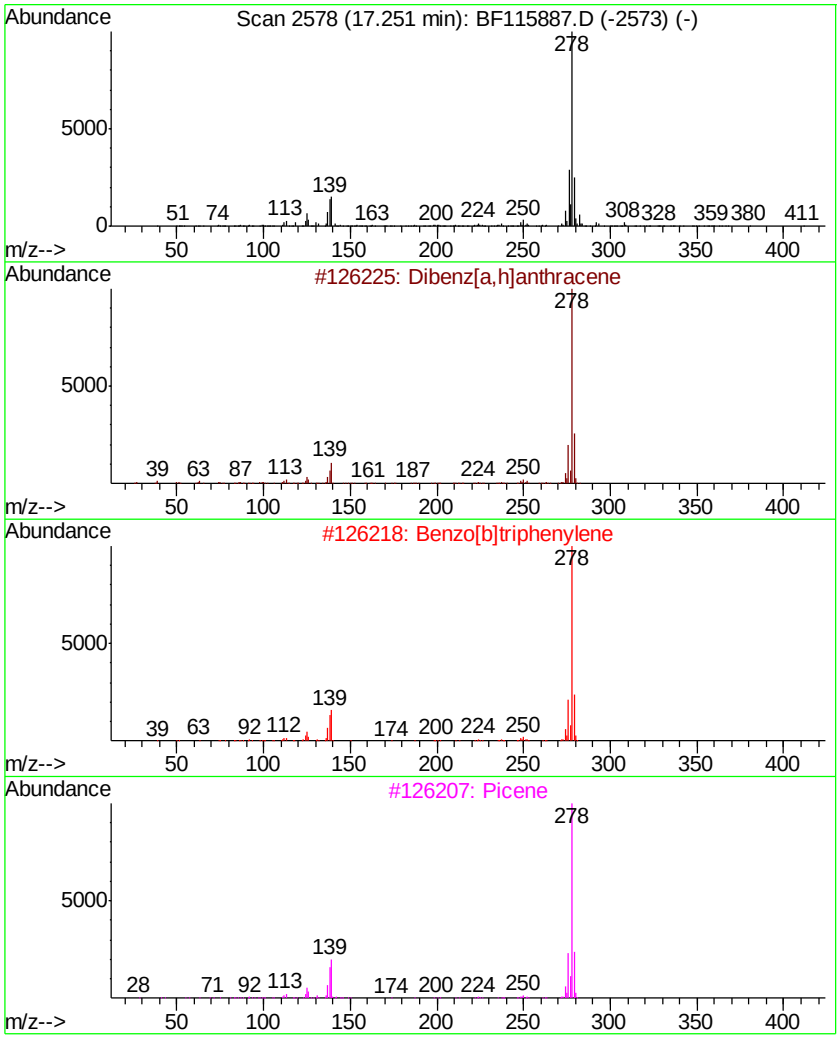
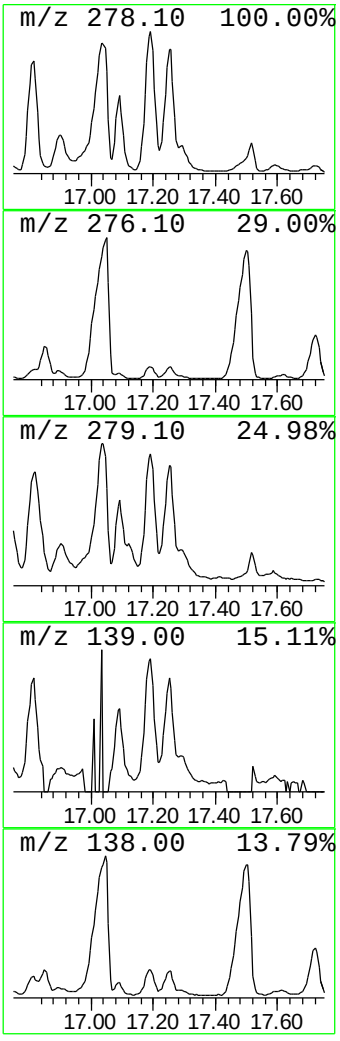
Peak Number 19 Picene Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.25	42.42 ng	1142750	Perylene-d12	15.53

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenz[a,h]anthracene	278	C22H14	000053-70-3	98
2	Benzo[b]triphenylene	278	C22H14	000215-58-7	98
3	Picene	278	C22H14	000213-46-7	98
4	Benzo[b]chrysene	278	C22H14	000214-17-5	97
5	Benzo[a]naphthacene	278	C22H14	000226-88-0	96





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF073119\
Data File : BF115887.D
Acq On : 1 Aug 2019 00:45
Operator : HP/JU
Sample : K4049-04 2X
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SP-4

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF073019.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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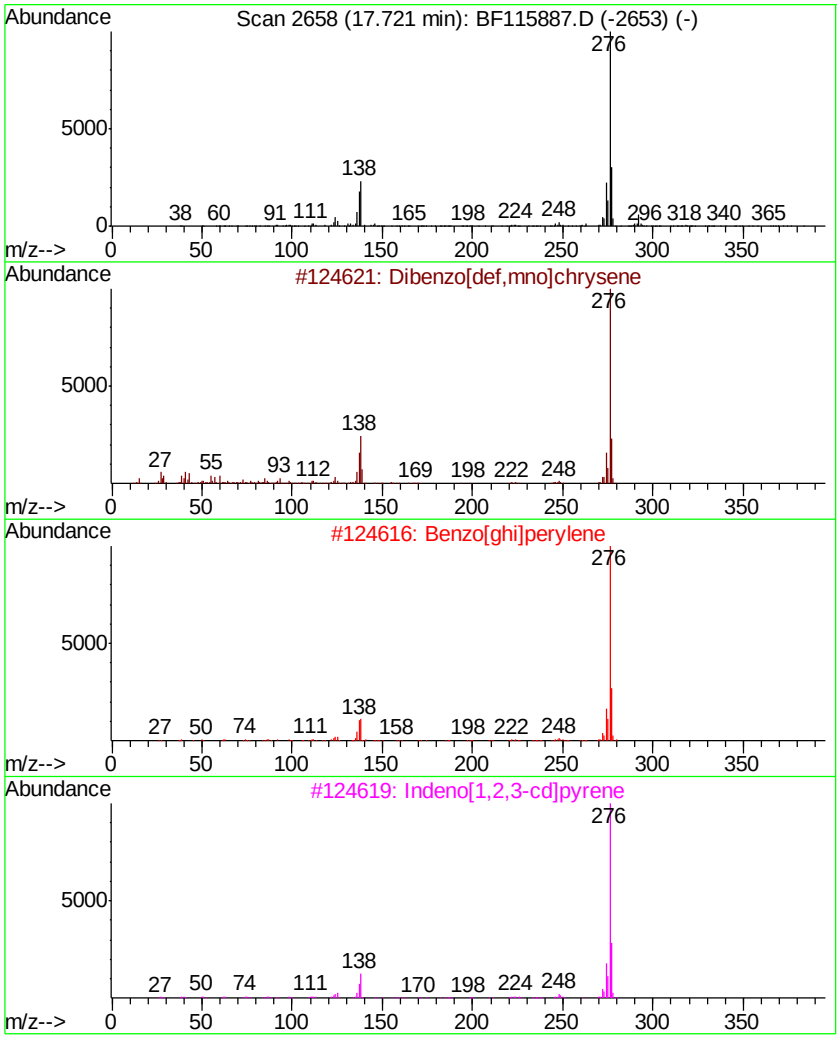
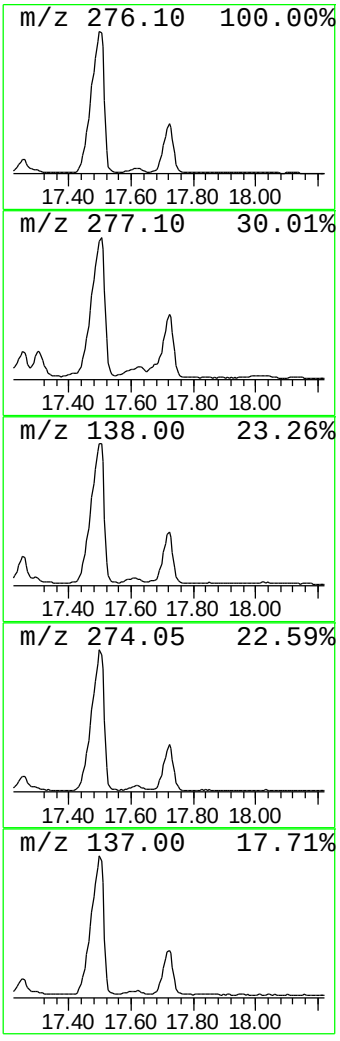
Peak Number 20 Dibenzo[def,mno]chrysene Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.72	62.56 ng	1685300	Perylene-d12	15.53

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzo[def,mno]chrysene	276	C22H12	000191-26-4	97
2	Benzo[ghi]perylene	276	C22H12	000191-24-2	97
3	Indeno[1,2,3-cd]pyrene	276	C22H12	000193-39-5	89
4	Indeno[1,2,3-cd]fluoranthene	276	C22H12	000193-43-1	72
5	6H-Pyrido[4,3-b]carbazole, 9-met...	276	C18H16N2O	010371-86-5	49





Tentatively Identified Compound (LSC) summary

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF073119\
Data File : BF115887.D
Acq On : 1 Aug 2019 00:45
Operator : HP/JU
Sample : K4049-04 2X
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SP-4

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF073019.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
1,3,5-Cycloheptat...	3.91	9.6	ng	394880	1	6.85	821544	20.0
unknown6.62	6.62	34.8	ng	1431180	1	6.85	821544	20.0
Naphthalene, 1,7-...	9.55	9.8	ng	465105	3	9.89	954390	20.0
Naphthalene, 1,4,...	10.21	7.3	ng	346935	3	9.89	954390	20.0
Dibenzofuran, 4-m...	10.60	13.3	ng	636676	3	9.89	954390	20.0
Phenanthrene, 2-m...	11.92	5.2	ng	3155650	4	11.39	12049000	20.0
4H-Cyclopenta[def...	12.00	6.4	ng	3880150	4	11.39	12049000	20.0
Cyclopenta(def)ph...	12.56	4.8	ng	2867270	4	11.39	12049000	20.0
Pyrene, 1-methyl-	13.06	5.8	ng	4027300	5	14.06	13773700	20.0
Fluoranthene, 2-m...	13.27	5.2	ng	3611020	5	14.06	13773700	20.0
6H-Benz[de]anthra...	13.79	4.6	ng	3198470	5	14.06	13773700	20.0
9H-Fluorene, 9-(p...	14.93	52.0	ng	1400030	6	15.53	538822	20.0
Dinaphtho[1,2-b:1...	15.29	21.4	ng	576602	6	15.53	538822	20.0
3,4-Dibromobenzal...	16.09	15.6	ng	421466	6	15.53	538822	20.0
Pentacene	16.81	21.9	ng	589167	6	15.53	538822	20.0
Benzo[b]triphenylene	17.19	52.1	ng	1404330	6	15.53	538822	20.0
Picene	17.25	42.4	ng	1142750	6	15.53	538822	20.0
Dibenzo[def,mno]c...	17.72	62.6	ng	1685300	6	15.53	538822	20.0