LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF051820\
Data File : BF120355.D
Acq On : 18 May 2020 21:22
Operator : MA/SJ
Sample : L2674-02 2X
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : PS-STOCK-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-BF051420.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	5.210	528	531	545	rBV	2402990	2698765	15.83%	1.237%
2	5.840	635	638	644	rBV	314096	355805	2.09%	0.163%
3	6.193	695	698	705	rBV2	324954	389140	2.28%	0.178%
4	6.257	705	709	719	rBV	2387137	2667677	15.65%	1.222%
5	6.598	764	767	770	rVV	1459242	1556622	9.13%	0.713%
6	6.757	790	794	797	rBV	2085956	2153994	12.63%	0.987%
7	6.998	831	835	837	rBV2	355761	369361	2.17%	0.169%
8	7.140	854	859	861	rBV2	441290	457997	2.69%	0.210%
9	7.169	861	864	869	rVV	1677481	1832893	10.75%	0.840%
10	7.375	894	899	901	rVV2	343912	409118	2.40%	0.187%
11	7.622	937	941	944	rBV3	495719	633783	3.72%	0.290%
12	7.763	960	965	969	rBV3	241461	375826	2.20%	0.172%
13	7.887	981	986	988	rVV	2525655	2922433	17.14%	1.339%
14	7.910	988	990	993	rVV	3913028	3379000	19.82%	1.548%
15	7.957	996	998	1000	rVV	526507	482772	2.83%	0.221%
16	8.322	1056	1060	1064	rBV	494676	568195	3.33%	0.260%
17	8.492	1084	1089	1093	rBV2	401974	539217	3.16%	0.247%
18	8.604	1102	1108	1115	rVB	1522716	1633219	9.58%	0.748%
19	8.698	1120	1124	1133	rVB	1252062	1256925	7.37%	0.576%
20	8.963	1165	1169	1178	rVB	2912722	2893014	16.97%	1.326%
21	9.063	1180	1186	1189	rBV2	508645	809965	4.75%	0.371%
22	9.163	1200	1203	1209	rVB	305494	387421	2.27%	0.178%
23	9.234	1210	1215	1219	rBV	510210	772702	4.53%	0.354%
24	9.298	1223	1226	1229	rBV	694540	800822	4.70%	0.367%
25	9.328	1229	1231	1235	rVB	509006	423545	2.48%	0.194%
26	9.369	1235	1238	1241	rVB2	588952	687397	4.03%	0.315%
27	9.639	1278	1284	1287	rVV2	2000117	2223055	13.04%	1.019%
28	9.675	1287	1290	1294	rVV	4145359	3594876	21.09%	1.647%
29	9.845	1315	1319	1324	rVV	2665673	2428808	14.25%	1.113%
30	10.192	1373	1378	1383	rBV	4540104	4318493	25.33%	1.979%
31	10.251	1383	1388	1390	rVV	398961	550900	3.23%	0.252%
32	10.275	1390	1392	1394	rVV	569962	491860	2.88%	0.225%
33	10.345	1402	1404	1409	rVB	794941	720676	4.23%	0.330%
34	10.428	1413	1418	1423	rBV	1978809	2247622	13.18%	1.030%

LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF051820\
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Acq On : 18 May 2020 21:22
Operator : MA/SJ
Sample : L2674-02 2X
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : PS-STOCK-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-BF051420.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	10.557	1436	1440	1446	rVB3	597560	717462	4.21%	0.329%
36	10.733	1464	1470	1473	rBV2	677032	879057	5.16%	0.403%
37	10.816	1481	1484	1487	rVV2	344415	375912	2.20%	0.172%
38	10.975	1508	1511	1514	rVV	318988	378376	2.22%	0.173%
39	11.022	1514	1519	1526	rVB	1019038	1246164	7.31%	0.571%
40	11.163	1532	1543	1546	rBV2	9730969	16079052	94.31%	7.368%
41	11.210	1546	1551	1554	rVV	6307285	6411943	37.61%	2.938%
42	11.239	1554	1556	1562	rVV	516040	785750	4.61%	0.360%
43	11.363	1573	1577	1584	rVV	1725733	1928128	11.31%	0.883%
44	11.422	1584	1587	1591	rVV3	471490	553926	3.25%	0.254%
45	11.627	1617	1622	1624	rBV	1692053	1618352	9.49%	0.742%
46	11.657	1624	1627	1632	rVB	2132340	2003520	11.75%	0.918%
47	11.704	1632	1635	1638	rBV	1217763	1121365	6.58%	0.514%
48	11.745	1638	1642	1644	rBV	3861674	4444072	26.07%	2.036%
49	11.922	1669	1672	1676	rVV	1593354	1554829	9.12%	0.712%
50	12.175	1711	1715	1718	rBV	600272	784029	4.60%	0.359%
51	12.216	1718	1722	1728	rVB3	597557	927611	5.44%	0.425%
52	12.275	1728	1732	1738	rVB2	345649	501270	2.94%	0.230%
53	12.357	1738	1746	1749	rBV	9720312	14850074	87.10%	6.805%
54	12.404	1749	1754	1757	rVB2	297780	484210	2.84%	0.222%
55	12.486	1764	1768	1771	rBV	796300	857485	5.03%	0.393%
56	12.580	1777	1784	1788	rBV3	9094342	17049400	100.00%	7.812%
57	12.616	1788	1790	1798	rVB2	922100	1107984	6.50%	0.508%
58	12.686	1798	1802	1804	rBV	1260731	1282684	7.52%	0.588%
59	12.710	1804	1806	1813	rVB2	2464863	2764160	16.21%	1.267%
60	12.786	1813	1819	1822	rBV3	1064309	1884417	11.05%	0.863%
61	12.874	1830	1834	1835	rVV3	914892	1091811	6.40%	0.500%
62	12.898	1835	1838	1842	rVV	3422725	3325901	19.51%	1.524%
63	12.963	1845	1849	1852	rVV	3516882	3820520	22.41%	1.751%
64	12.998	1852	1855	1862	rVV3	1708745	2610992	15.31%	1.196%
65	13.057	1862	1865	1867	rVV2	389188	396376	2.32%	0.182%
66	13.092	1867	1871	1873	rVV	663291	724559	4.25%	0.332%
67	13.122	1873	1876	1883	rVB2	836922	1116502	6.55%	0.512%
68	13.298	1899	1906	1907	rVV4	524012	770892	4.52%	0.353%
69	13.316	1907	1909	1912	rVV2	529342	518585	3.04%	0.238%
70	13.374	1916	1919	1923	rBV	591470	858475	5.04%	0.393%
71	13.510	1939	1942	1944	rBV	880438	948167	5.56%	0.434%

LSC Area Percent Report

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Acq On : 18 May 2020 21:22
Operator : MA/SJ
Sample : L2674-02 2X
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : PS-STOCK-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-BF051420.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

72	13.539	1944	1947	1949	rVV	1563143	1650900	9.68%	0.756%
73	13.563	1949	1951	1953	rVV	1325933	1377954	8.08%	0.631%
74	13.616	1957	1960	1963	rVB3	498577	560103	3.29%	0.257%
75	13.763	1978	1985	1989	rBV2	6802634	13375392	78.45%	6.129%
76	13.804	1989	1992	1998	rVB	6314279	6814478	39.97%	3.122%
77	13.874	1998	2004	2008	rBV	2493285	2887266	16.93%	1.323%
78	13.916	2008	2011	2013	rVV2	736280	828282	4.86%	0.380%
79	13.957	2016	2018	2020	rVV	669464	677303	3.97%	0.310%
80	13.998	2023	2025	2027	rVB	806417	681607	4.00%	0.312%
81	14.110	2042	2044	2047	rVV	815747	925466	5.43%	0.424%
82	14.151	2047	2051	2054	rVV	1731013	1927932	11.31%	0.883%
83	14.180	2054	2056	2060	rVB2	650826	643819	3.78%	0.295%
84	14.245	2063	2067	2070	rVV3	1156840	1505219	8.83%	0.690%
85	14.274	2070	2072	2074	rVV	848298	784621	4.60%	0.360%
86	14.298	2074	2076	2079	rVB	1397449	1121740	6.58%	0.514%
87	14.463	2101	2104	2105	rBV	401208	439672	2.58%	0.201%
88	14.533	2113	2116	2119	rBV3	328365	506518	2.97%	0.232%
89	14.627	2129	2132	2138	rBV	539074	696296	4.08%	0.319%
90	14.780	2152	2158	2160	rBV	4809794	8187944	48.02%	3.752%
91	14.868	2170	2173	2177	rVB	1682548	1718013	10.08%	0.787%
92	15.051	2199	2204	2209	rVB	2819756	4010266	23.52%	1.838%
93	15.116	2209	2215	2218	rVV	4519849	6486559	38.05%	2.972%
94	15.163	2219	2223	2225	rVV	1050982	1514473	8.88%	0.694%
95	15.186	2225	2227	2233	rVB2	1716300	2198199	12.89%	1.007%
96	15.657	2304	2307	2312	rVB2	437844	579859	3.40%	0.266%
97	16.480	2441	2447	2453	rVB	1969680	3664928	21.50%	1.679%
98	16.633	2468	2473	2477	rBV	431905	831906	4.88%	0.381%
99	16.880	2508	2515	2525	rBV	1346222	3169272	18.59%	1.452%
100	17.092	2546	2551	2563	rVB	706579	1664970	9.77%	0.763%

Sum of corrected areas: 218238867

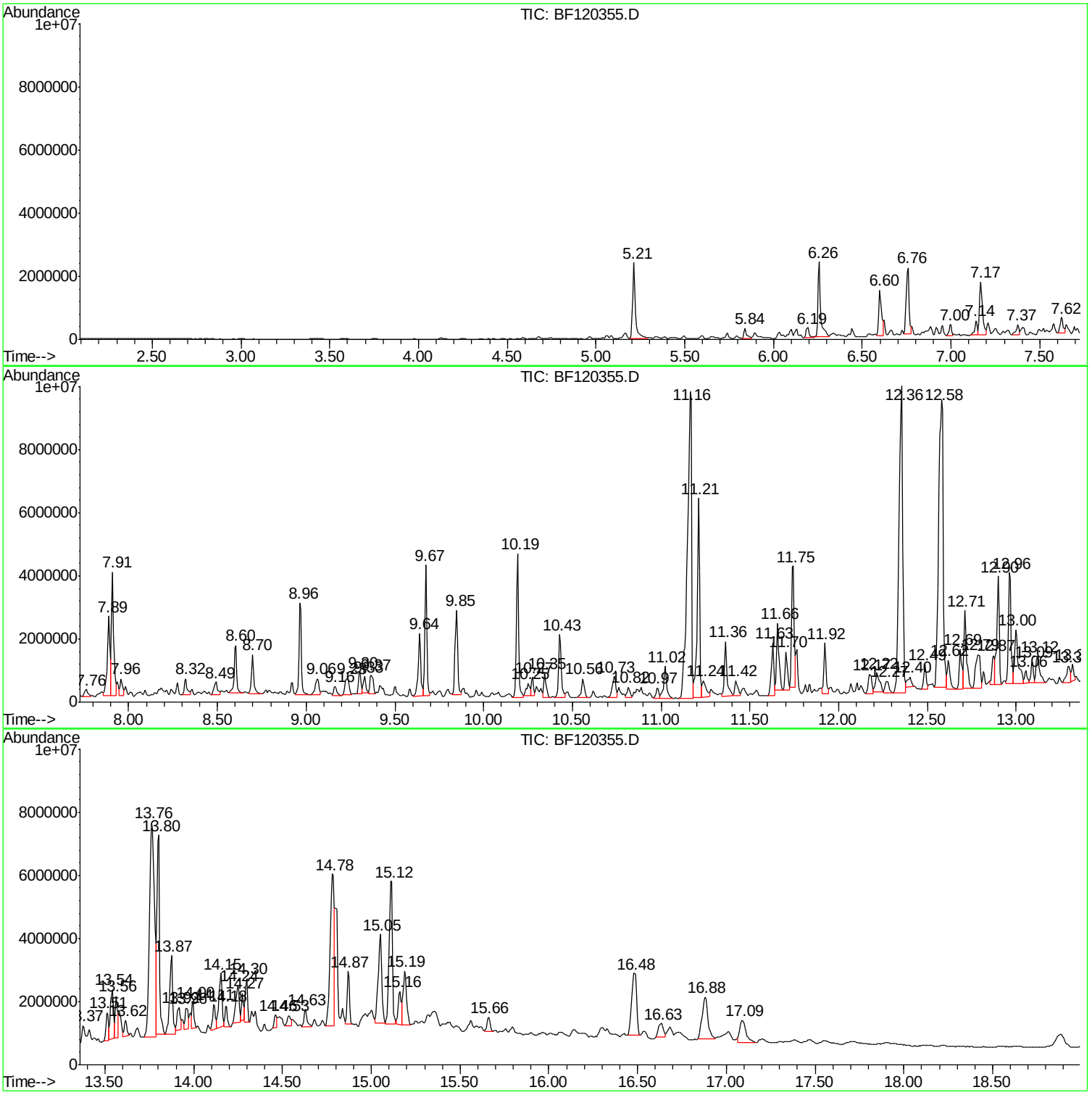
LSC Report - Integrated Chromatogram

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF051820\
Data File : BF120355.D
Acq On : 18 May 2020 21:22
Operator : MA/SJ
Sample : L2674-02 2X
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PS-STOCK-4

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF051420.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\BF051820\
Data File : BF120355.D
Acq On : 18 May 2020 21:22
Operator : MA/SJ
Sample : L2674-02 2X
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : PS-STOCK-4

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF051420.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

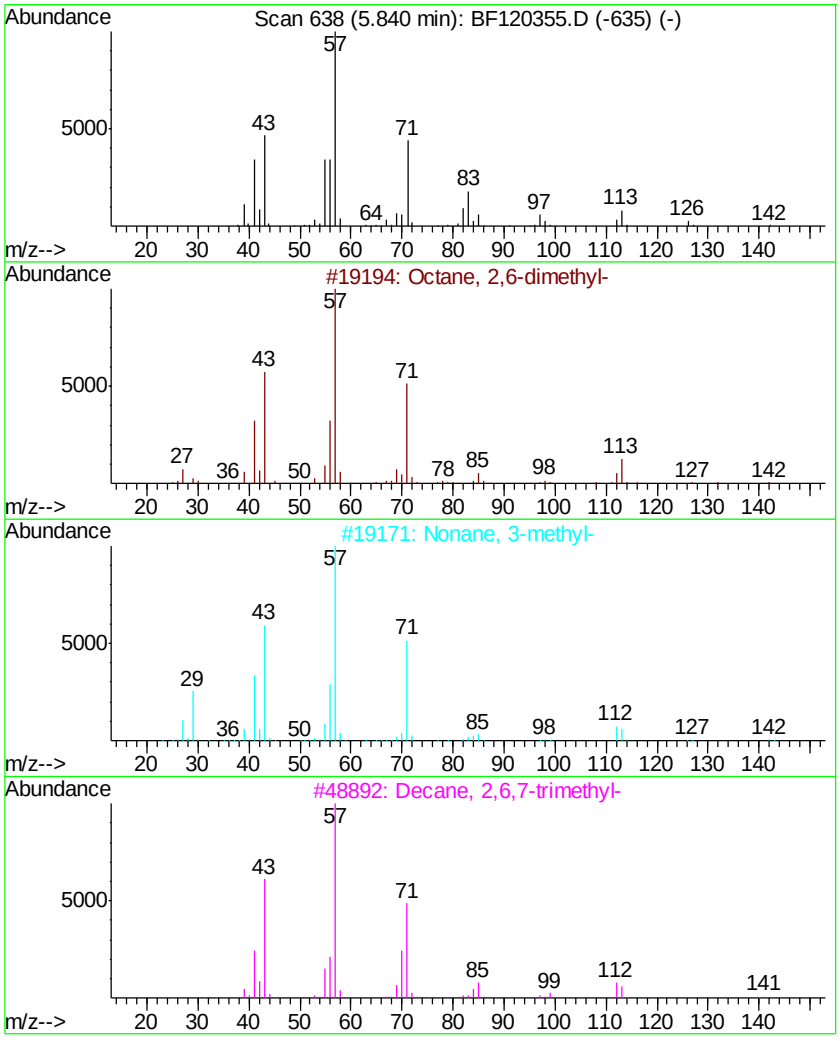
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

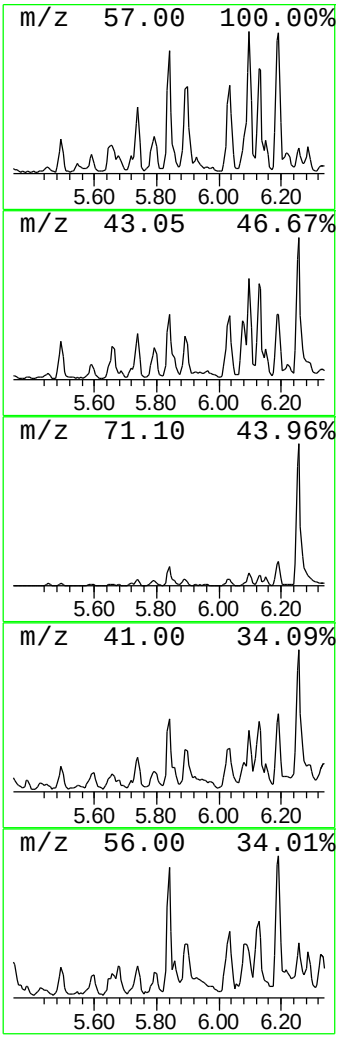
****

Peak Number 1 Octane, 2,6-dimethyl- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.84	4.57 ng	355805	1,4-Dichlorobenzene-d4	6.60

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octane, 2,6-dimethyl-	142	C10H22	002051-30-1	59
2	Nonane, 3-methyl-	142	C10H22	005911-04-6	58
3	Decane, 2,6,7-trimethyl-	184	C13H28	062108-25-2	50
4	Undecane, 3-methyl-	170	C12H26	001002-43-3	50
5	Undecane, 3,6-dimethyl-	184	C13H28	017301-28-9	47





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF051820\
Data File : BF120355.D
Acq On : 18 May 2020 21:22
Operator : MA/SJ
Sample : L2674-02 2X
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : PS-STOCK-4

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF051420.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

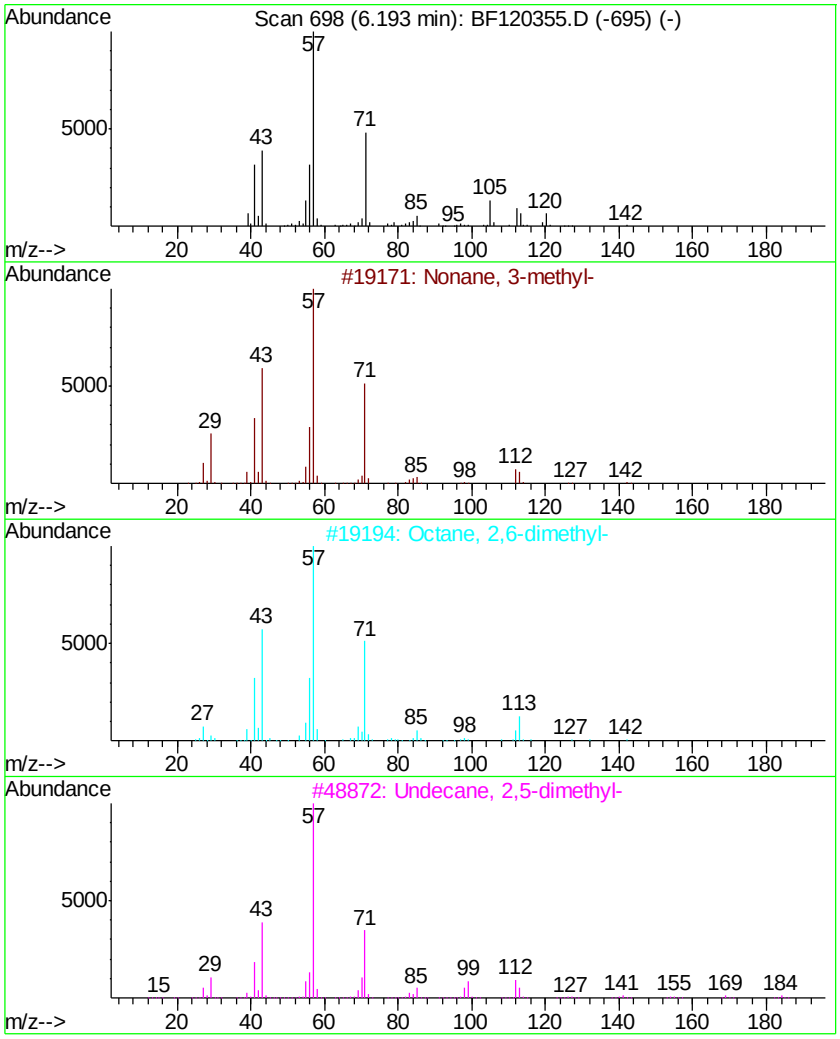
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

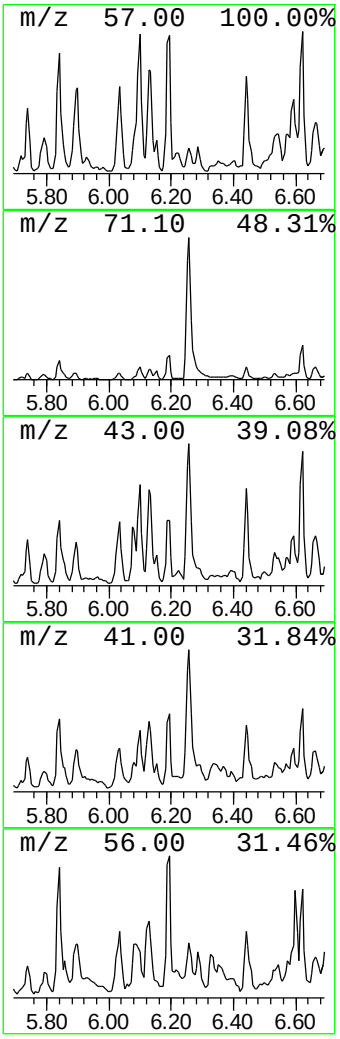
****

Peak Number 2 Nonane, 3-methyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.19	5.00 ng	389140	1,4-Dichlorobenzene-d4	6.60

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Nonane, 3-methyl-	142	C10H22	005911-04-6	81
2	Octane, 2,6-dimethyl-	142	C10H22	002051-30-1	64
3	Undecane, 2,5-dimethyl-	184	C13H28	017301-22-3	59
4	Sulfurous acid, butyl 2-ethylhex...	250	C12H26O3S	1000309-18-8	50
5	Oxalic acid, isobutyl nonyl ester	272	C15H28O4	1000309-37-4	50





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF051820\
Data File : BF120355.D
Acq On : 18 May 2020 21:22
Operator : MA/SJ
Sample : L2674-02 2X
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : PS-STOCK-4

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF051420.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

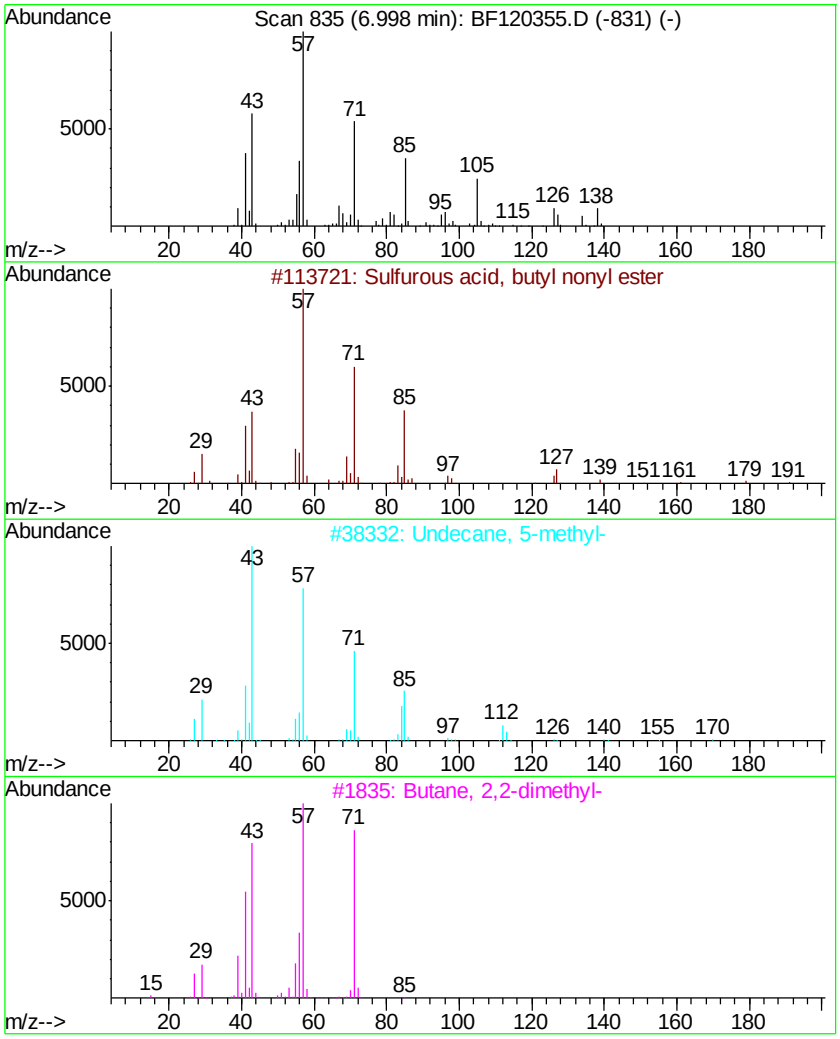
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

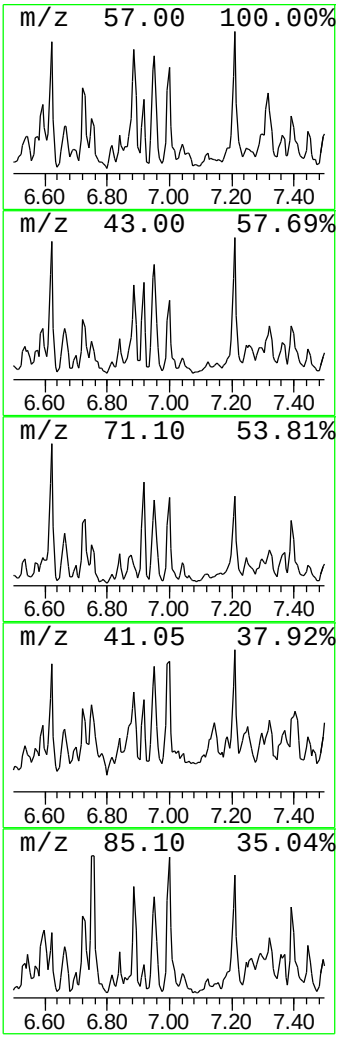
****

Peak Number 4 Sulfurous acid, butyl nonyl... Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.00	4.75 ng	369361	1,4-Dichlorobenzene-d4	6.60

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Sulfurous acid, butyl nonyl ester	264	C13H28O3S	1000309-17-6	50
2	Undecane, 5-methyl-	170	C12H26	001632-70-8	43
3	Butane, 2,2-dimethyl-	86	C6H14	000075-83-2	43
4	Nonane, 5-(2-methylpropyl)-	184	C13H28	062185-53-9	43
5	Hexadecane	226	C16H34	000544-76-3	43





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF051820\
Data File : BF120355.D
Acq On : 18 May 2020 21:22
Operator : MA/SJ
Sample : L2674-02 2X
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : PS-STOCK-4

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF051420.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

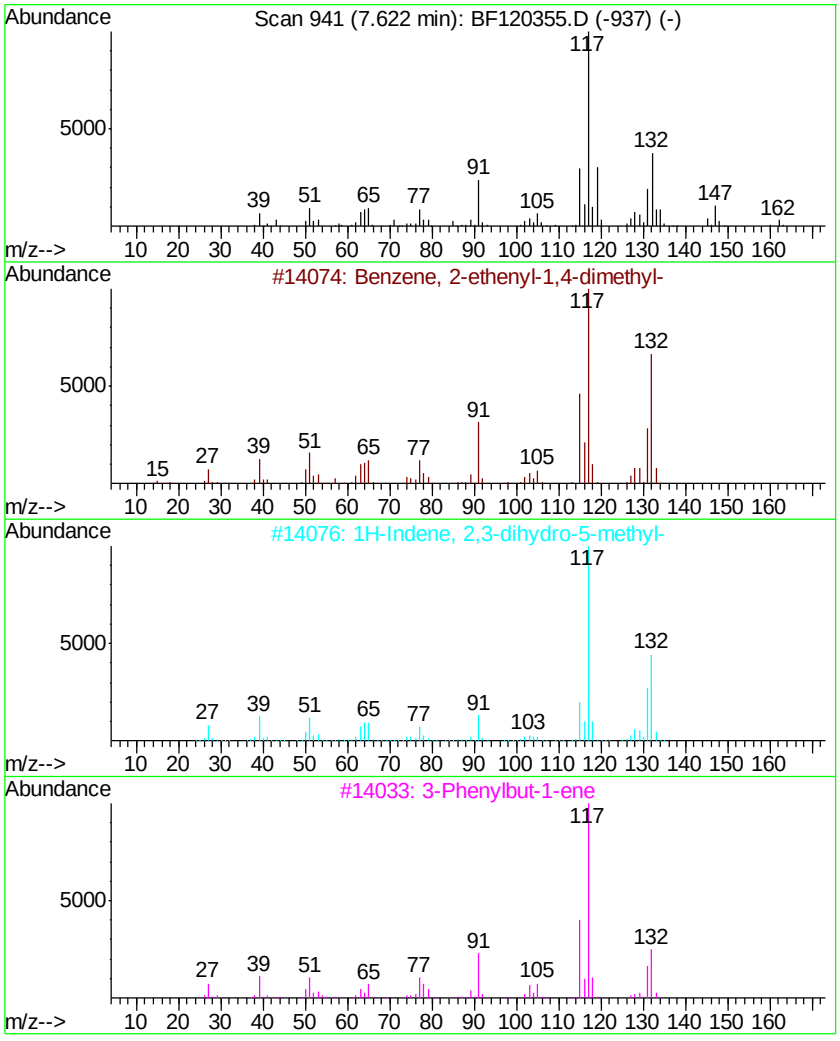
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

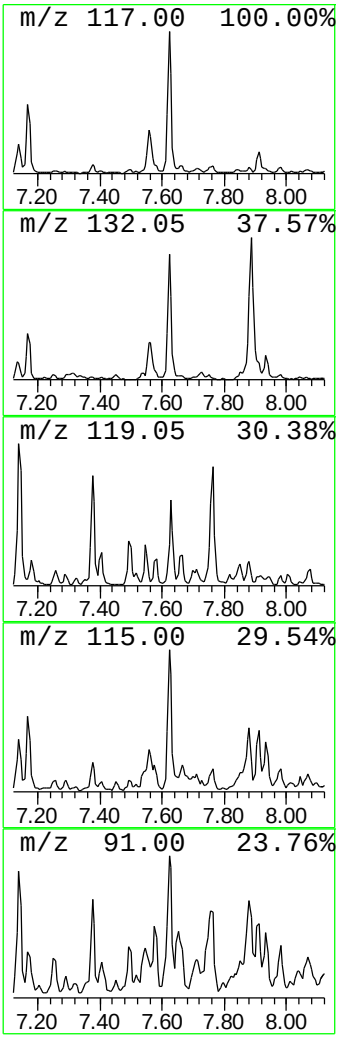
****

Peak Number 5 Benzene, 2-ethenyl-1,4-dime... Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.62	4.34 ng	633783	Naphthalene-d8	7.89

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 2-ethenyl-1,4-dimethyl-	132	C10H12	002039-89-6	95
2	1H-Indene, 2,3-dihydro-5-methyl-	132	C10H12	000874-35-1	93
3	3-Phenylbut-1-ene	132	C10H12	000934-10-1	81
4	1-Phenyl-1-butene	132	C10H12	000824-90-8	76
5	1H-Indene, 2,3-dihydro-4-methyl-	132	C10H12	000824-22-6	76





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF051820\
Data File : BF120355.D
Acq On : 18 May 2020 21:22
Operator : MA/SJ
Sample : L2674-02 2X
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : PS-STOCK-4

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF051420.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

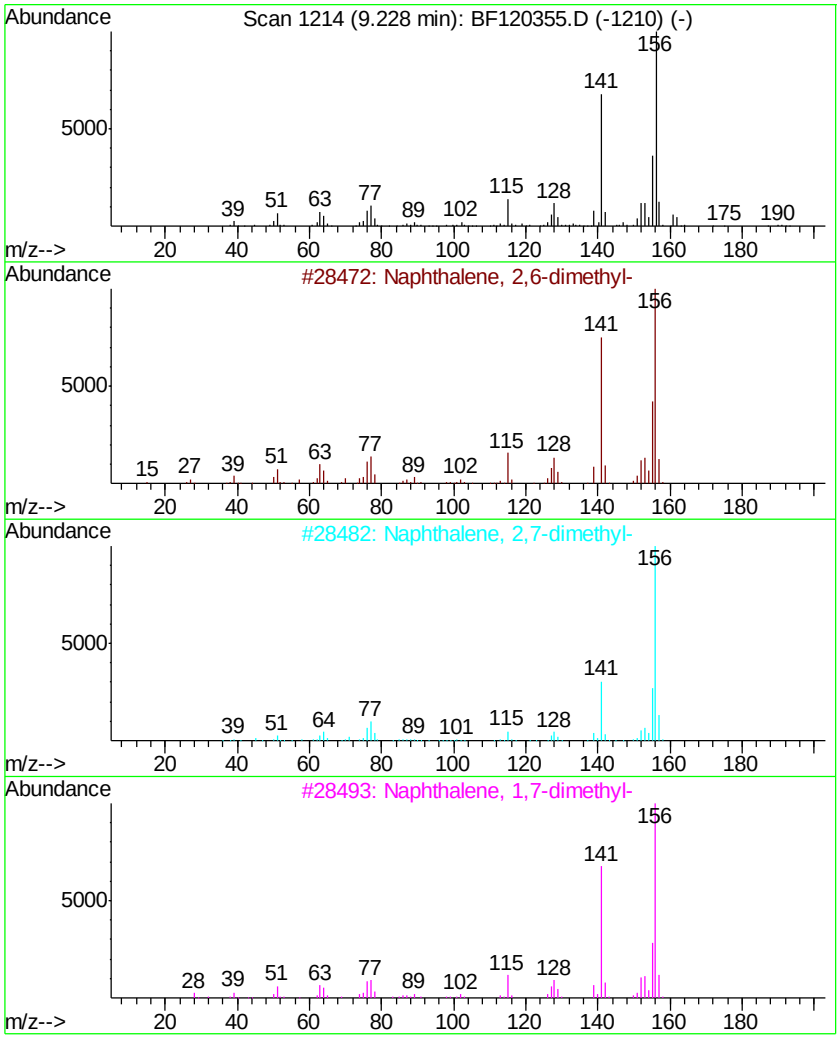
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

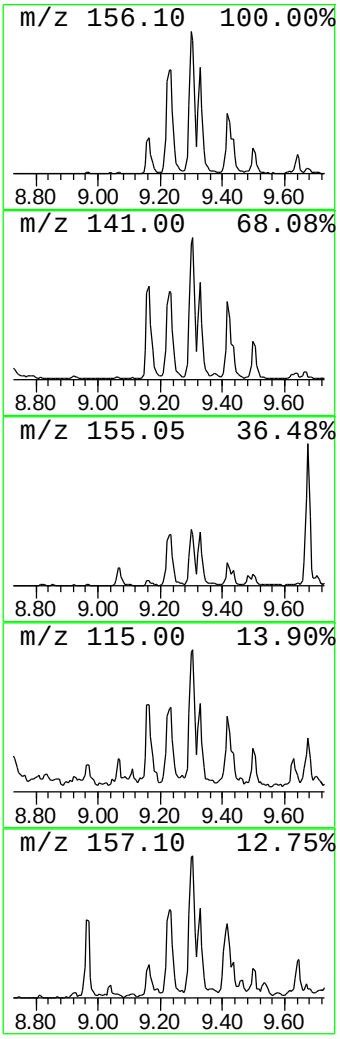
****

Peak Number 6 Naphthalene, 2,6-dimethyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.23	6.95 ng	772702	Acenaphthene-d10	9.64

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	98
2	Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	97
3	Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	97
4	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	97
5	Naphthalene, 1,5-dimethyl-	156	C12H12	000571-61-9	97





Library Search Compound Report

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Acq On : 18 May 2020 21:22
Operator : MA/SJ
Sample : L2674-02 2X
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : PS-STOCK-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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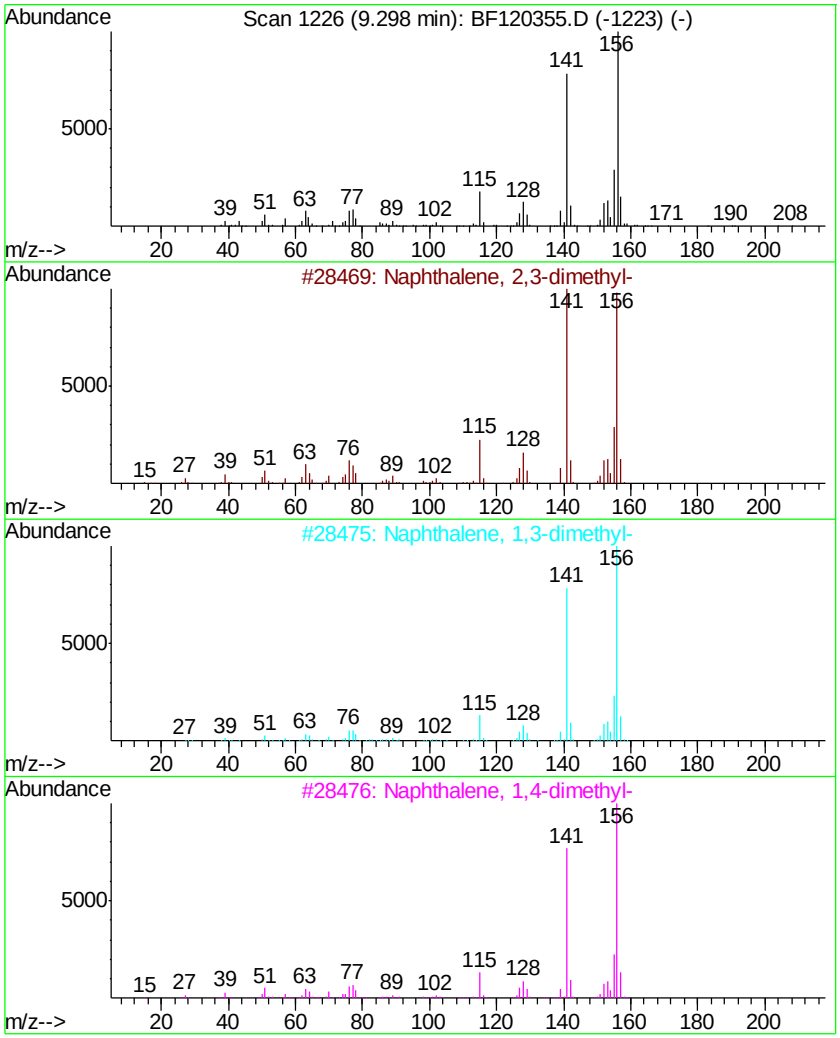
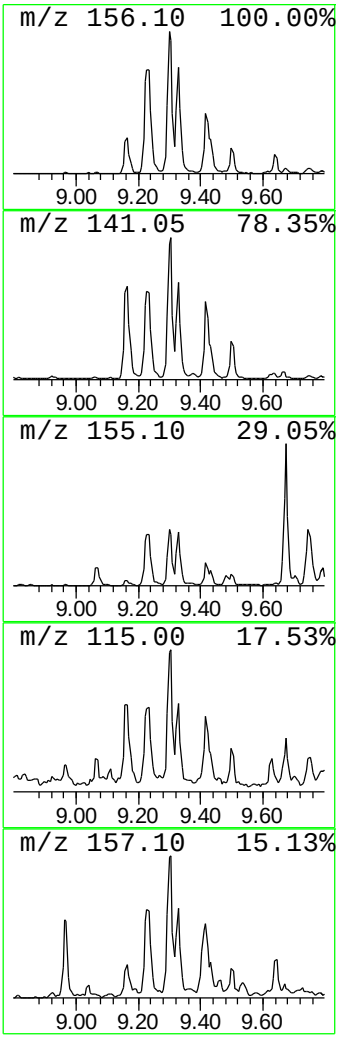
Peak Number 7 Naphthalene, 2,3-dimethyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.30	7.20 ng	800822	Acenaphthene-d10	9.64

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	98
2	Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	97
3	Naphthalene, 1,4-dimethyl-	156	C12H12	000571-58-4	97
4	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	97
5	Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	96





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Instrument : BNA_F
ClientSampleId : PS-STOCK-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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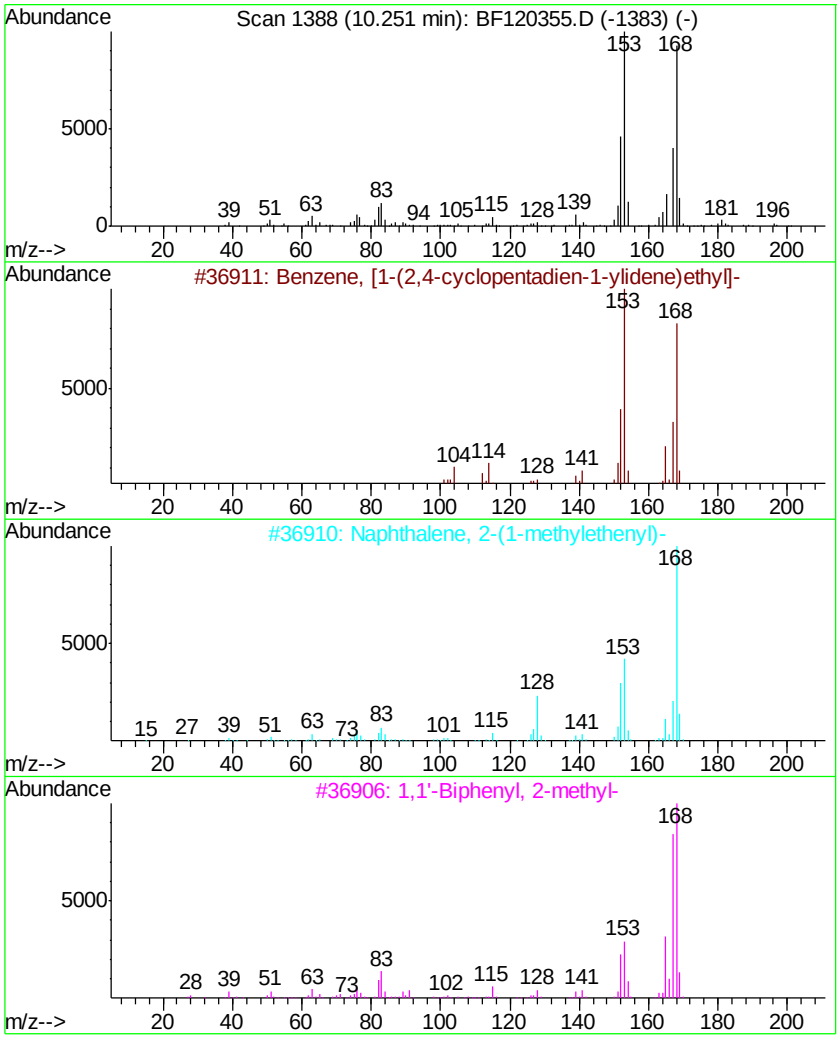
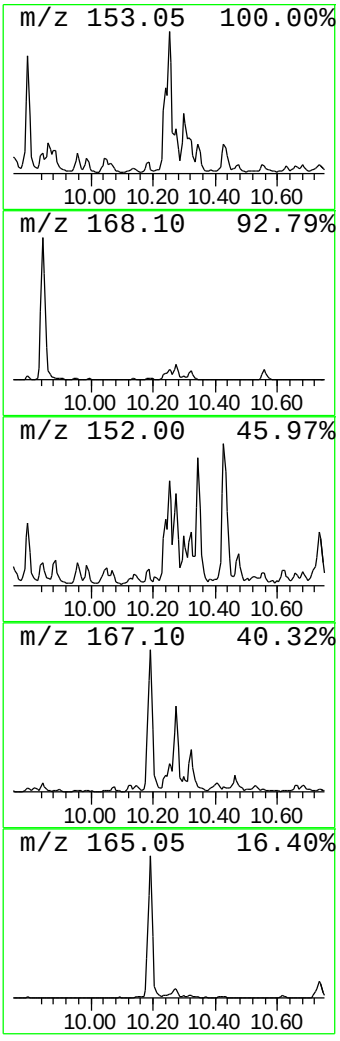
Peak Number 8 Benzene, [1-(2,4-cyclopenta... Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.25	4.96 ng	550900	Acenaphthene-d10	9.64

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, [1-(2,4-cyclopentadien-...	168	C13H12	002320-32-3	80
2	Naphthalene, 2-(1-methylethenyl)-	168	C13H12	003710-23-4	64
3	1,1'-Biphenyl, 2-methyl-	168	C13H12	000643-58-3	50
4	1-Isopropenylnaphthalene	168	C13H12	001855-47-6	47
5	1-Methoxy-2-methyl-4-(methylthio...	168	C9H12OS	050390-78-8	47





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TIC Library : C:\DATABASE\NIST11.L
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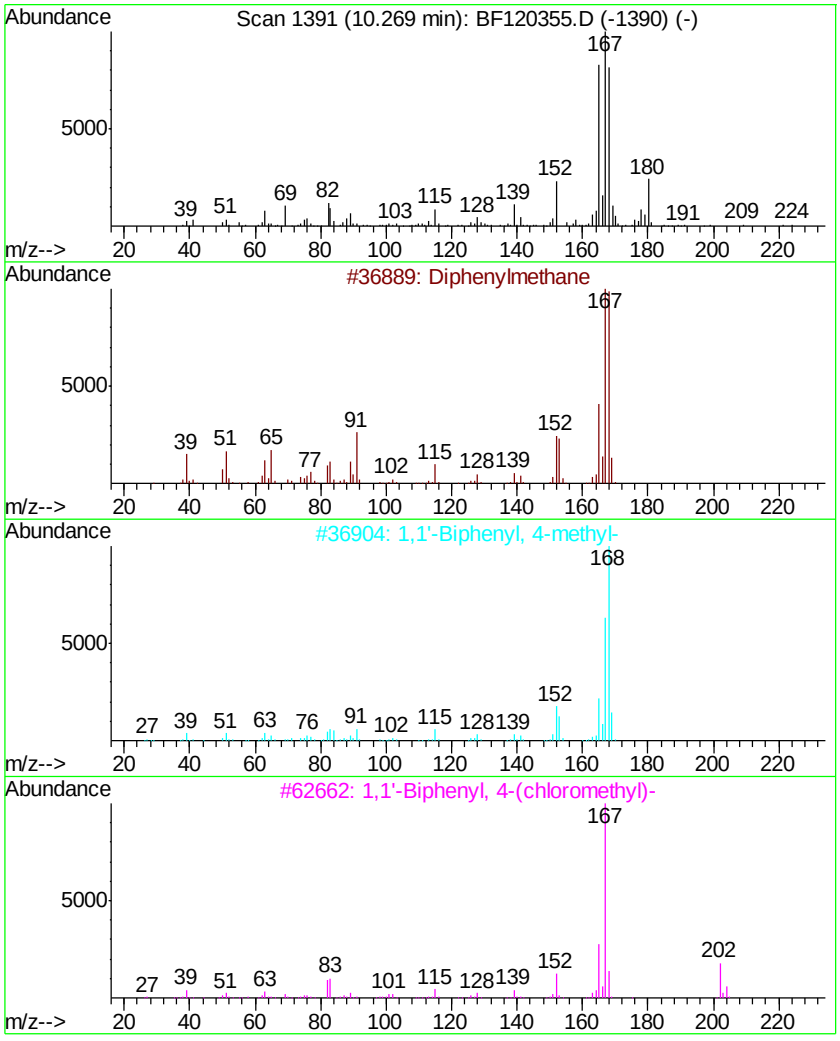
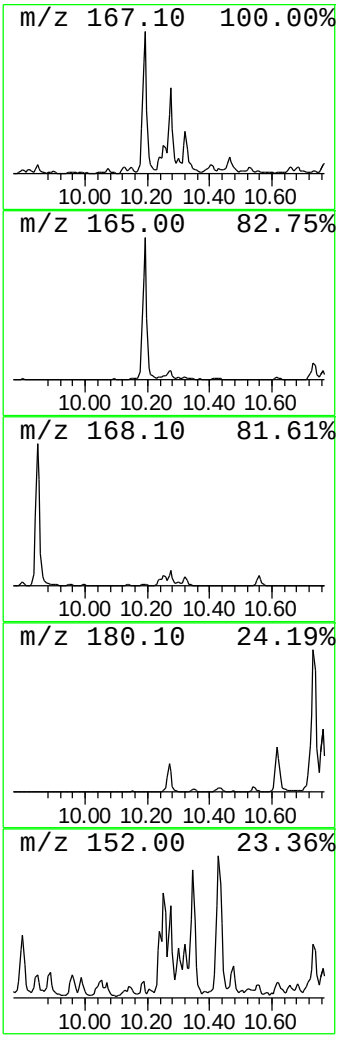
Peak Number 9 Diphenylmethane Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.27	4.43 ng	491860	Acenaphthene-d10	9.64

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Diphenylmethane	168	C13H12	000101-81-5	90
2	1,1'-Biphenyl, 4-methyl-	168	C13H12	000644-08-6	52
3	1,1'-Biphenyl, 4-(chloromethyl)-	202	C13H11Cl	001667-11-4	52
4	Benzene, 1,1'-[[(4-methylphenyl)...	290	C20H18S	032110-49-9	50
5	2-Propanone, 1,1-diphenyl-	210	C15H14O	000781-35-1	50





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ClientSampleId : PS-STOCK-4

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

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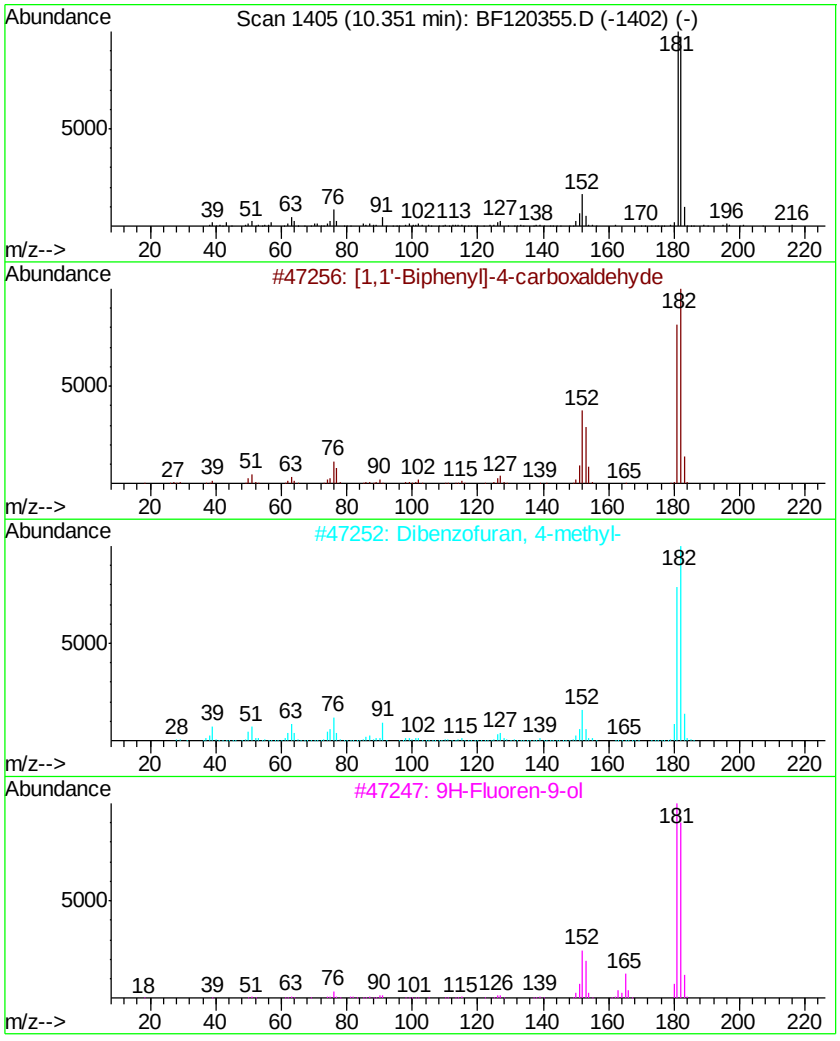
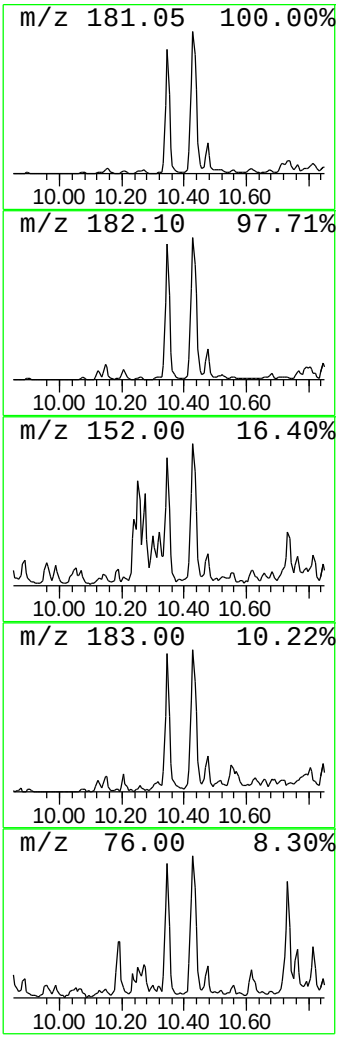
Peak Number 10 [1,1'-Biphenyl]-4-carboxald... Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.35	6.48 ng	720676	Acenaphthene-d10	9.64

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	[1,1'-Biphenyl]-4-carboxaldehyde	182	C13H10O	003218-36-8	83
2	Dibenzofuran, 4-methyl-	182	C13H10O	007320-53-8	81
3	9H-Fluoren-9-ol	182	C13H10O	001689-64-1	72
4	2,4,6-Cycloheptatrien-1-one, 2-p...	182	C13H10O	014562-09-5	64
5	9H-Xanthene	182	C13H10O	000092-83-1	64





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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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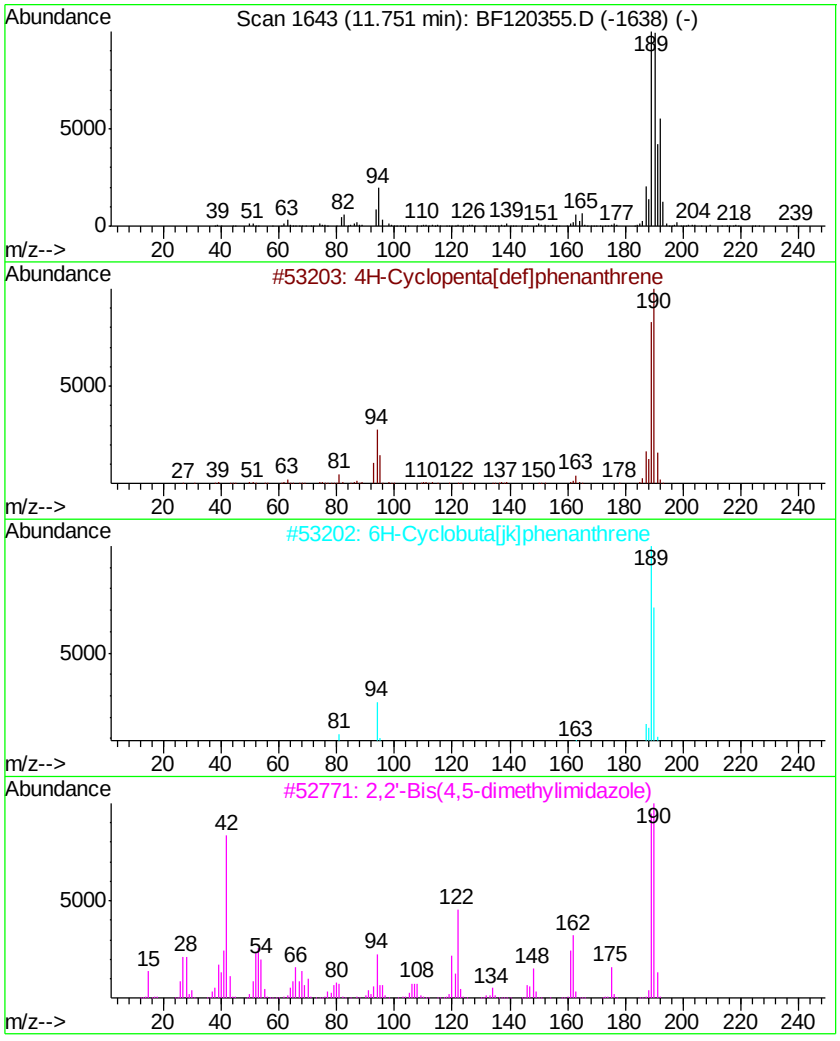
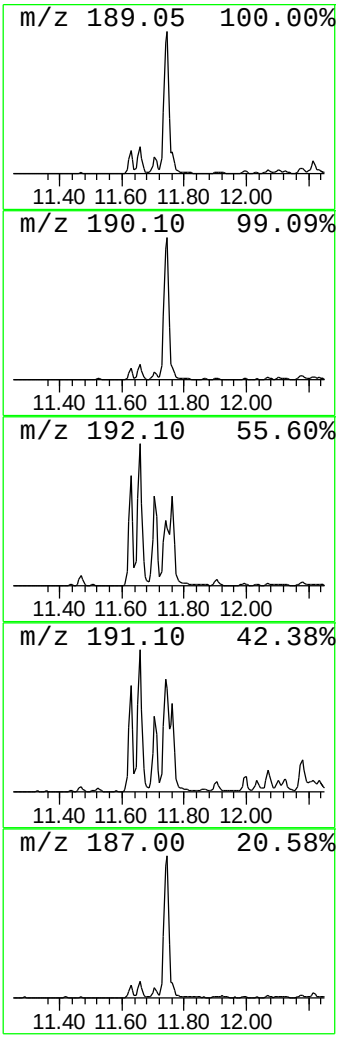
Peak Number 11 4H-Cyclopenta[def]phenanthrene Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.75	5.53 ng	4444070	Phenanthrene-d10	11.13

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	94
2	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	64
3	2,2'-Bis(4,5-dimethylimidazole)	190	C10H14N4	069286-06-2	45
4	1,4-Naphthalenedione, 2,5-dihydr...	190	C10H6O4	004923-55-1	25
5	Methyl diselenide	190	C2H6Se2	007101-31-7	16





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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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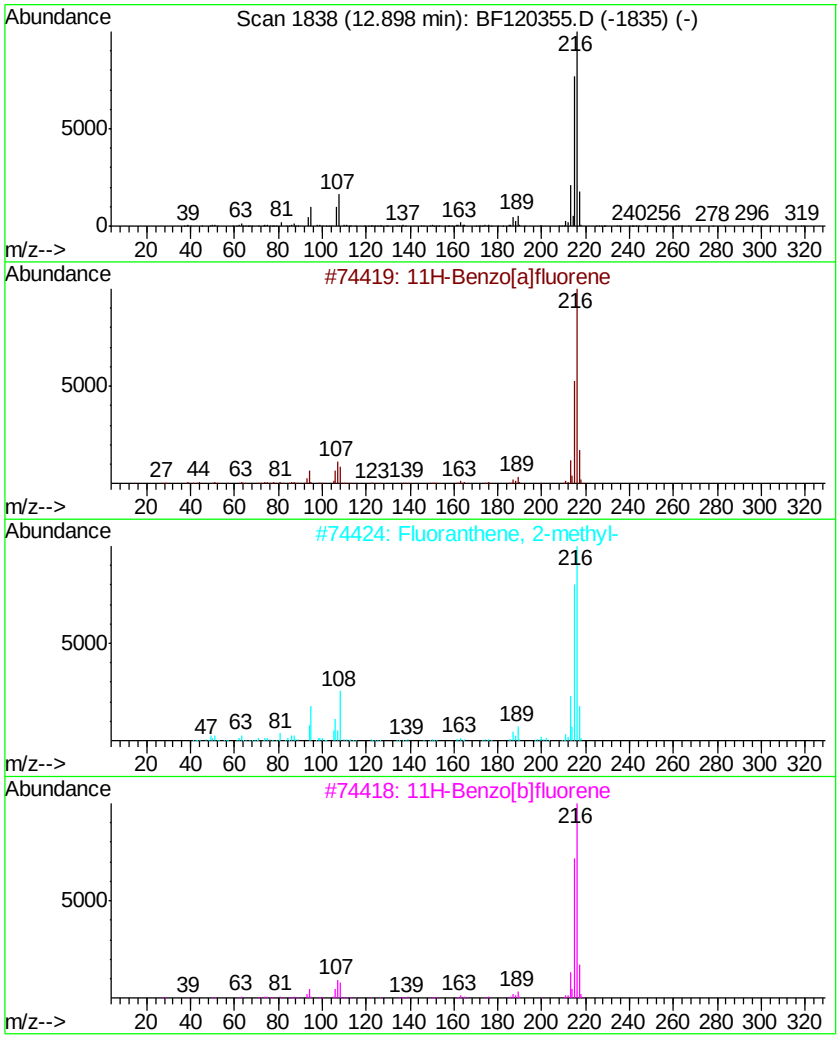
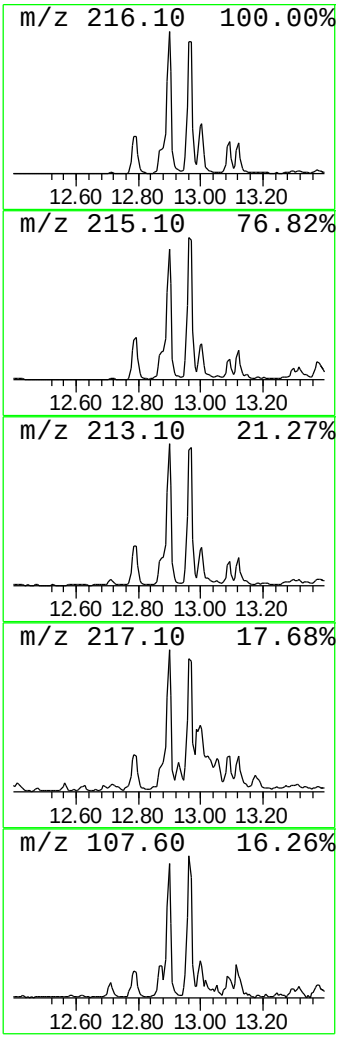
Peak Number 12 11H-Benzo[a]fluorene Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.90	4.97 ng	3325900	Chrysene-d12	13.77

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	97
2	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	94
3	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	93
4	7H-Benzo[c]fluorene	216	C17H12	000205-12-9	81
5	Pyrene, 1-methyl-	216	C17H12	002381-21-7	74





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Operator : MA/SJ
Sample : L2674-02 2X
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : PS-STOCK-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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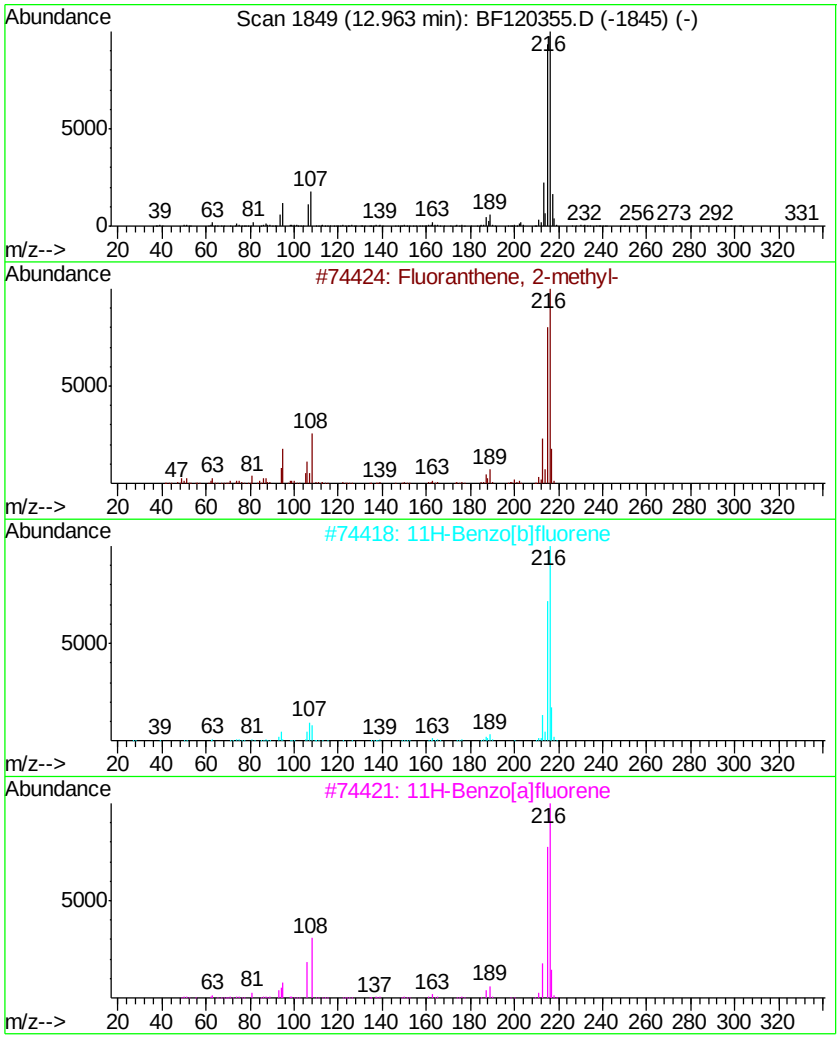
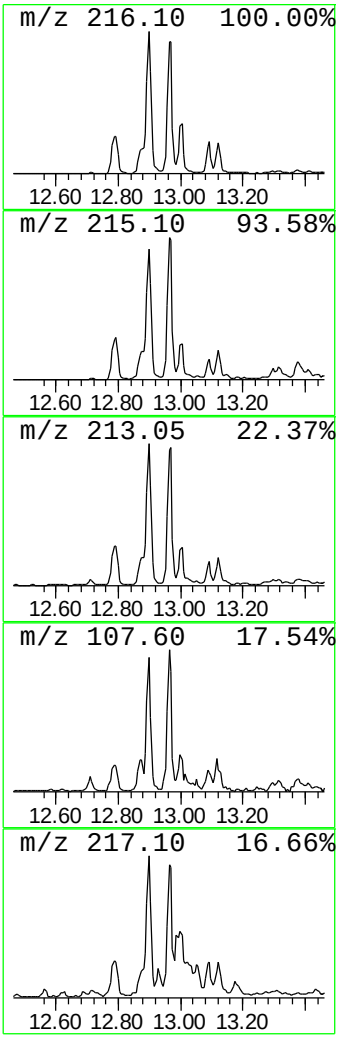
Peak Number 13 Fluoranthene, 2-methyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.96	5.71 ng	3820520	Chrysene-d12	13.77

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	95
2	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	93
3	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	91
4	7H-Benzo[c]fluorene	216	C17H12	000205-12-9	81
5	Pyrene, 2-methyl-	216	C17H12	003442-78-2	76





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

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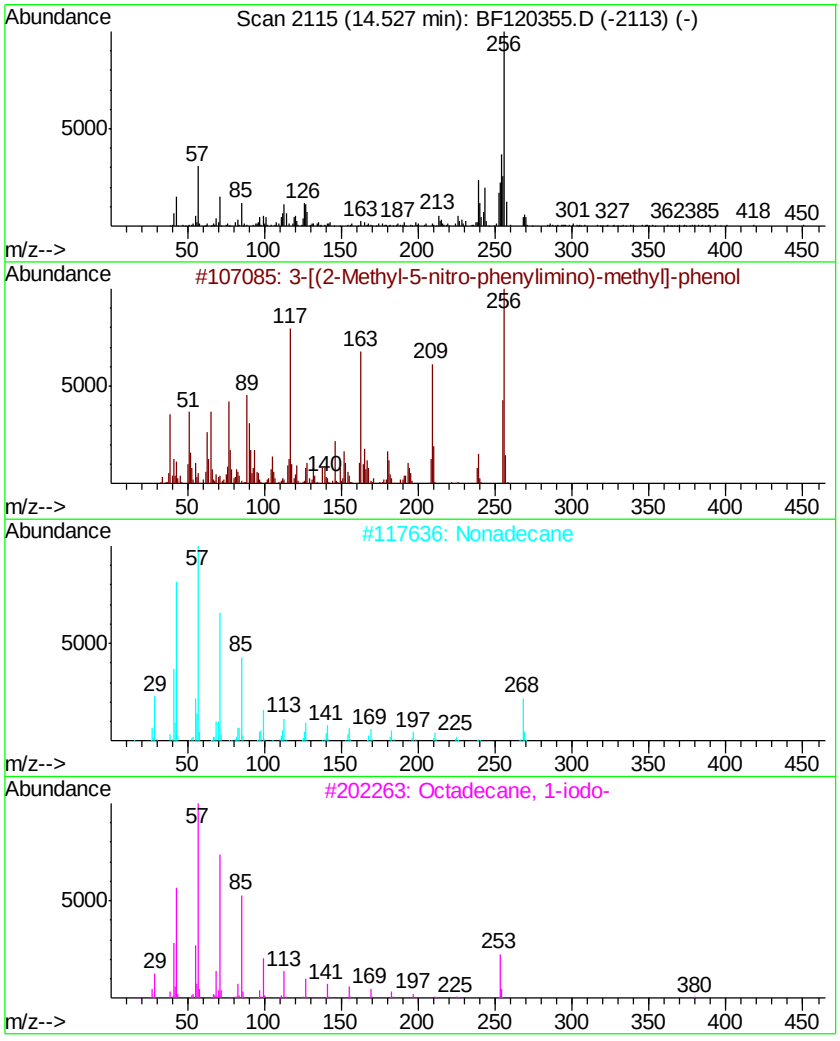
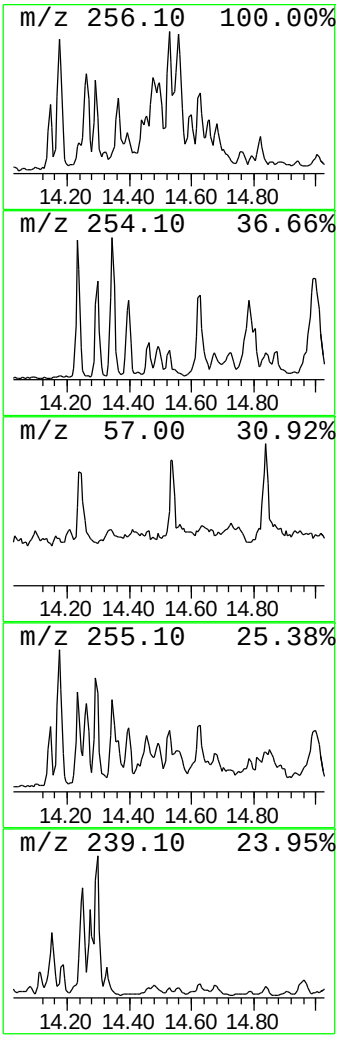
Peak Number 14 3-[(2-Methyl-5-nitro-phenyl... Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.53	6.69 ng	506518	Perylene-d12	15.16

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-[(2-Methyl-5-nitro-phenylimino...	256	C14H12N2O3	1000297-24-5	53
2	Nonadecane	268	C19H40	000629-92-5	50
3	Octadecane, 1-iodo-	380	C18H37I	000629-93-6	46
4	Heptacosane	380	C27H56	000593-49-7	46
5	8,9,10,11-Tetrahydrobenzo[k]fluo...	256	C20H16	033942-81-3	45





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TIC Integration Parameters: LSCINT.P

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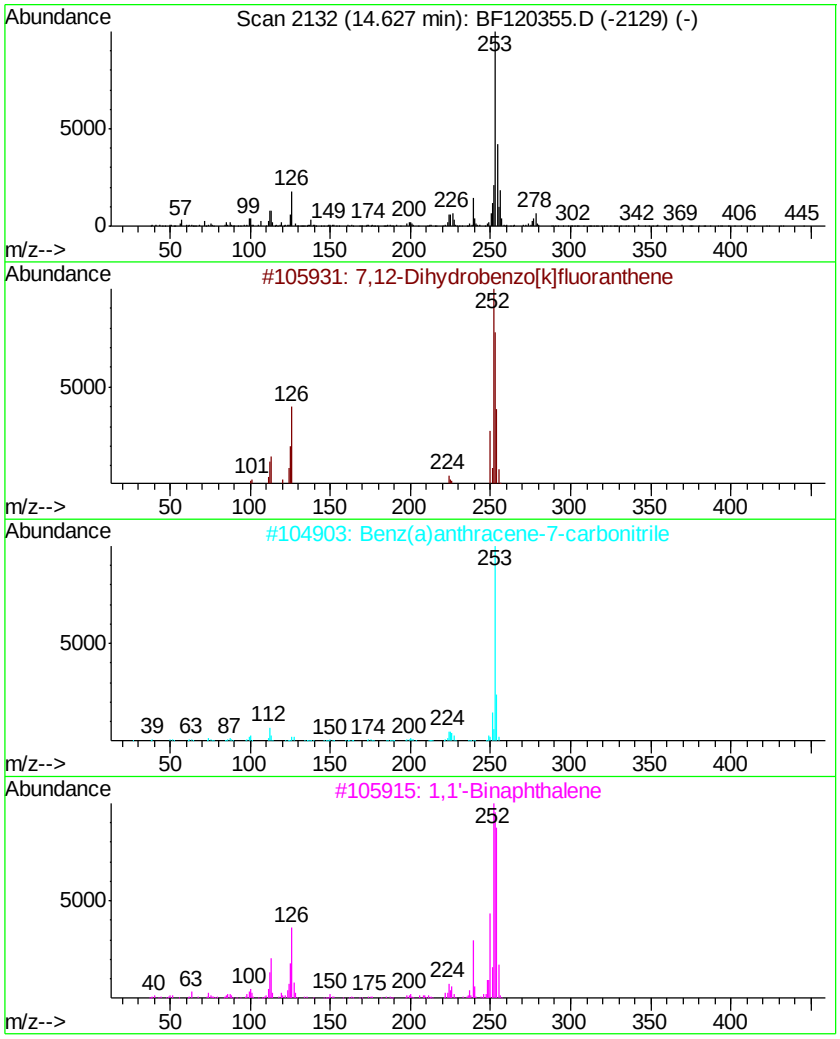
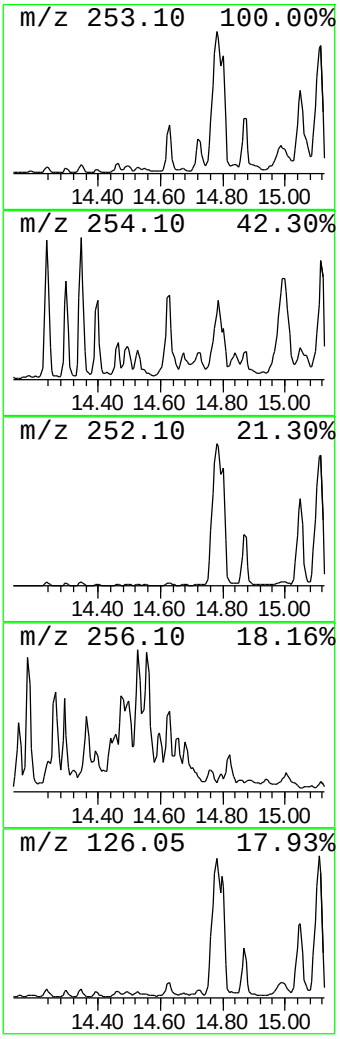
Peak Number 15 7,12-Dihydrobenzo[k]fluoran... Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.63	9.20 ng	696296	Perylene-d12	15.16

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	7,12-Dihydrobenzo[k]fluoranthene	254	C20H14	1000080-17-7	64
2	Benz(a)anthracene-7-carbonitrile	253	C19H11N	007476-08-6	55
3	1,1'-Binaphthalene	254	C20H14	000604-53-5	46
4	Plumbane, trimethyl(1-methylprop...	310	C7H18Pb	054964-76-0	43
5	Lead, tetramethyl-	268	C4H12Pb	000075-74-1	43





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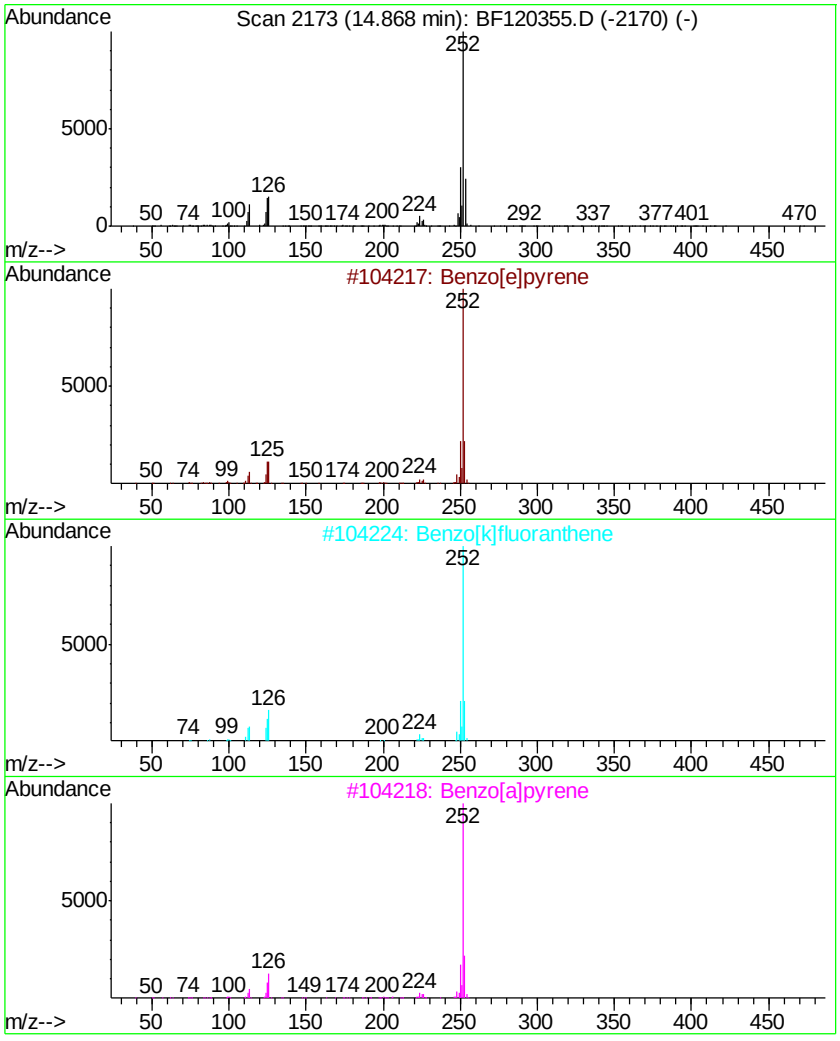
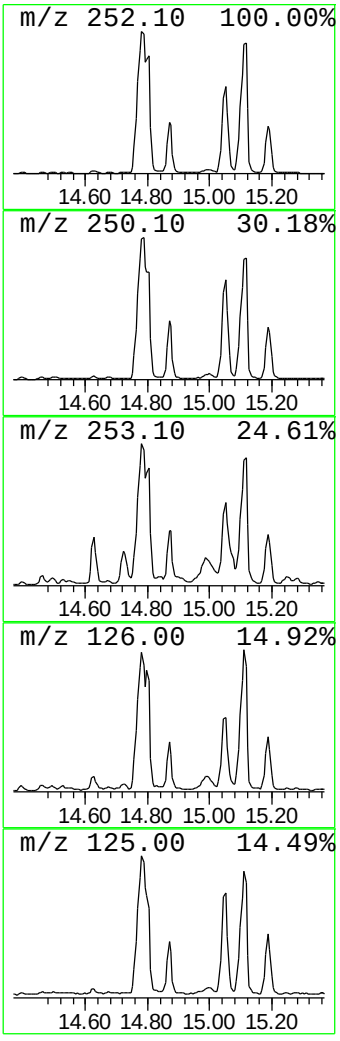
Peak Number 16 Benzo[e]pyrene Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.87	22.69 ng	1718010	Perylene-d12	15.16

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	94
2	Benzo[k]fluoranthene	252	C20H12	000207-08-9	91
3	Benzo[a]pyrene	252	C20H12	000050-32-8	91
4	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	90
5	Perylene	252	C20H12	000198-55-0	89





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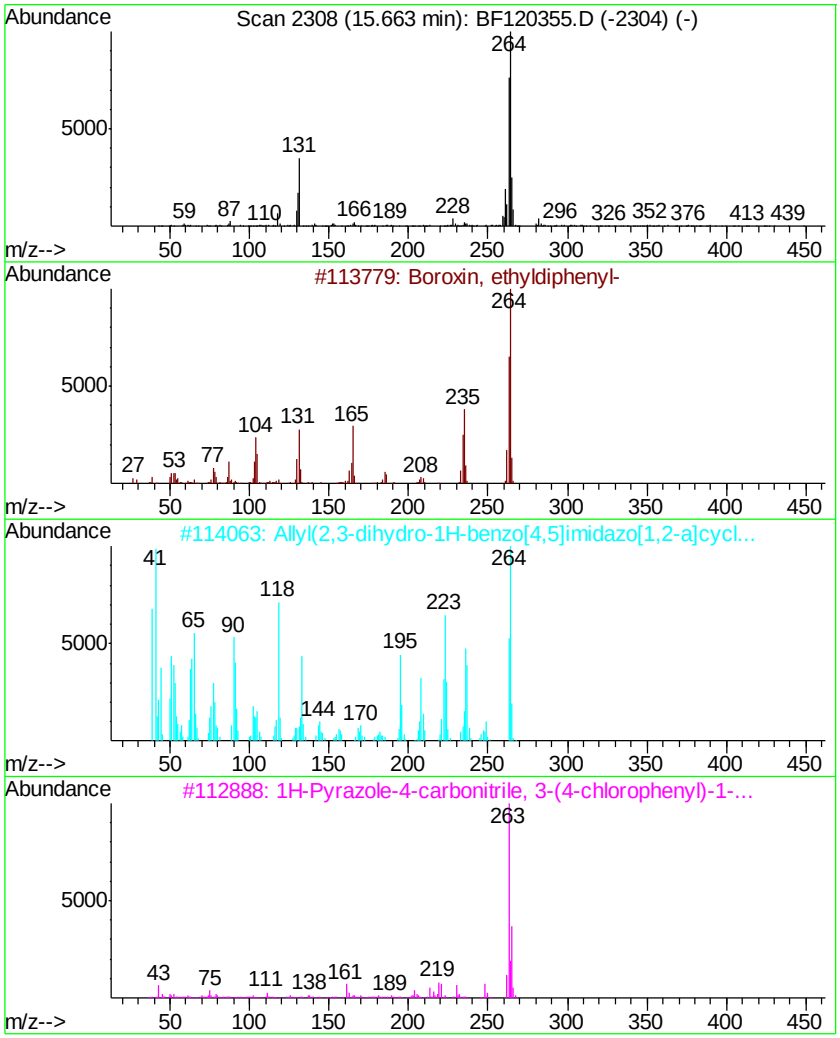
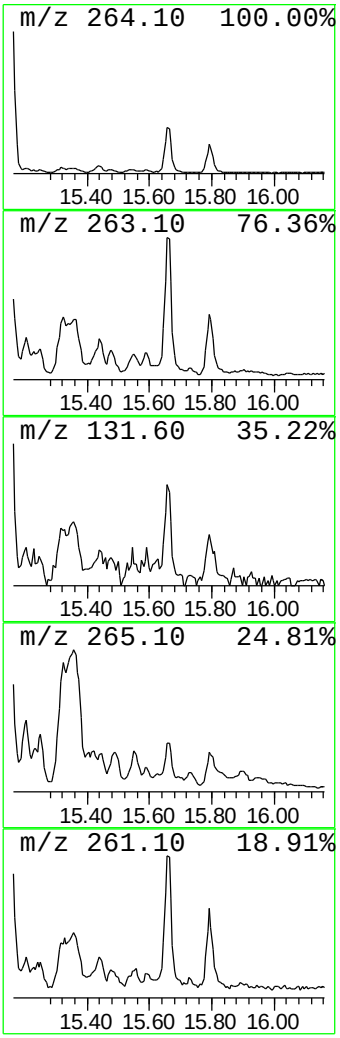
Peak Number 18 Boroxin, ethyldiphenyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.66	7.66 ng	579859	Perylene-d12	15.16

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Boroxin, ethyldiphenyl-	264	C14H15B3O3	1000151-82-0	72
2	Allyl(2,3-dihydro-1H-benzo[4,5]i...	264	C16H16N4	1000322-09-2	45
3	1H-Pyrazole-4-carbonitrile, 3-(4...	263	C12H10ClN3S	068364-67-0	38
4	1,3-Butanedione, 1-phenyl-2-[(ph...	265	C17H15NO2	101441-99-0	30
5	Lycopodan-5-one, 12-hydroxy-15-m...	263	C16H25NO2	006900-92-1	27





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Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF051820\
Data File : BF120355.D
Acq On : 18 May 2020 21:22
Operator : MA/SJ
Sample : L2674-02 2X
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : PS-STOCK-4

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF051420.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

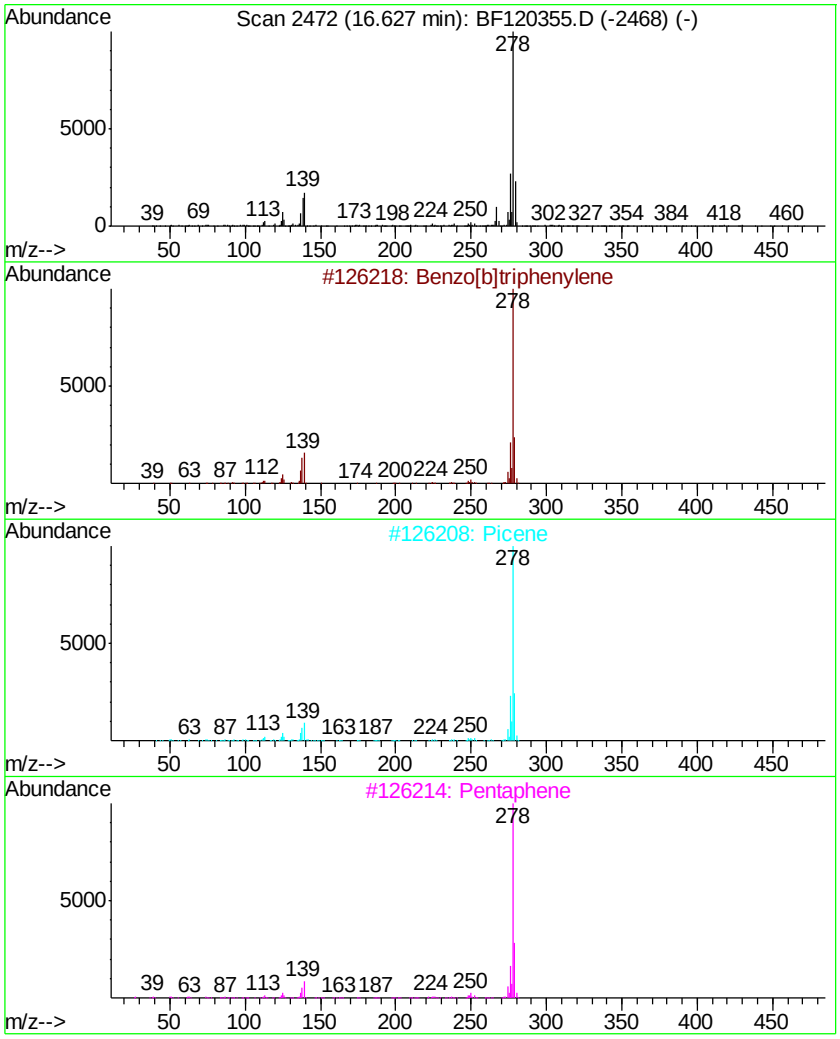
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

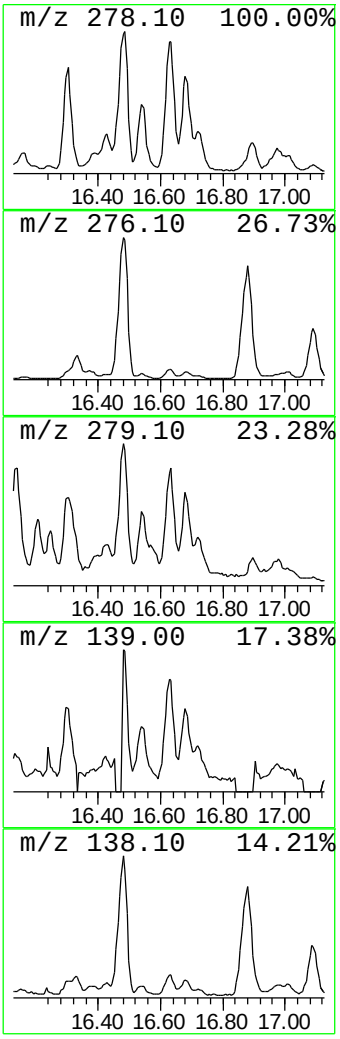
****

Peak Number 19 Benzo[b]triphenylene Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.63	10.99 ng	831906	Perylene-d12	15.16

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





Tentatively Identified Compound (LSC) summary

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF051820\
Data File : BF120355.D
Acq On : 18 May 2020 21:22
Operator : MA/SJ
Sample : L2674-02 2X
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : PS-STOCK-4

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF051420.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
Octane, 2,6-dimet...	5.84	4.6	ng	355805	1	6.60	1556620	20.0
Nonane, 3-methyl-	6.19	5.0	ng	389140	1	6.60	1556620	20.0
Sulfurous acid, b...	7.00	4.8	ng	369361	1	6.60	1556620	20.0
Benzene, 2-etheny...	7.62	4.3	ng	633783	2	7.89	2922430	20.0
Naphthalene, 2,6-...	9.23	7.0	ng	772702	3	9.64	2223060	20.0
Naphthalene, 2,3-...	9.30	7.2	ng	800822	3	9.64	2223060	20.0
Benzene, [1-(2,4-...	10.25	5.0	ng	550900	3	9.64	2223060	20.0
Diphenylmethane	10.27	4.4	ng	491860	3	9.64	2223060	20.0
[1,1'-Biphenyl]-4...	10.35	6.5	ng	720676	3	9.64	2223060	20.0
4H-Cyclopenta[def...	11.75	5.5	ng	4444070	4	11.13	16079100	20.0
11H-Benzo[a]fluorene	12.90	5.0	ng	3325900	5	13.77	13375400	20.0
Fluoranthene, 2-m...	12.96	5.7	ng	3820520	5	13.77	13375400	20.0
3-[(2-Methyl-5-ni...	14.53	6.7	ng	506518	6	15.16	1514470	20.0
7,12-Dihydrobenzo...	14.63	9.2	ng	696296	6	15.16	1514470	20.0
Benzo[e]pyrene	14.87	22.7	ng	1718010	6	15.16	1514470	20.0
Boroxin, ethyldip...	15.66	7.7	ng	579859	6	15.16	1514470	20.0
Benzo[b]triphenylene	16.63	11.0	ng	831906	6	15.16	1514470	20.0