LSC Area Percent Report

Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA F\DATA\BF030818\
Data File : BF103529.D
Acq On : 8 Mar 2018 20:55
Operator : SJ/JU
Sample : J1823-03
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : MHB-WCB

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:\HPCHEM1\BNA_F\METHODS\8270-BF022218.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	5.492	575	579	598	rBV	1297644	2153549	54.29%	3.260%
2	6.504	748	751	765	rBV	1487105	2317210	58.42%	3.508%
3	6.639	770	774	780	rBV	1917830	2127881	53.64%	3.221%
4	6.863	809	812	823	rBV	712620	764387	19.27%	1.157%
5	7.016	835	838	846	rVB	1414800	1518719	38.29%	2.299%
6	7.434	905	909	915	rBV	1017304	1314692	33.14%	1.990%
7	8.116	1022	1025	1027	rVV2	139651	154147	3.89%	0.233%
8	8.151	1027	1031	1032	rVV	924284	934415	23.56%	1.414%
9	8.169	1032	1034	1037	rVV	914578	984200	24.81%	1.490%
10	8.222	1041	1043	1049	rVB5	115792	146183	3.69%	0.221%
11	8.428	1075	1078	1082	rVB4	156605	192515	4.85%	0.291%
12	8.551	1096	1099	1101	rBV	488045	356296	8.98%	0.539%
13	8.675	1117	1120	1123	rVV4	122677	132022	3.33%	0.200%
14	8.722	1126	1128	1132	rVV3	155721	143592	3.62%	0.217%
15	8.816	1141	1144	1149	rVB3	117397	154370	3.89%	0.234%
16	8.863	1149	1152	1154	rBV	369756	328010	8.27%	0.497%
17	8.963	1166	1169	1174	rVB	347984	352692	8.89%	0.534%
18	9.016	1174	1178	1180	rBV4	95808	153435	3.87%	0.232%
19	9.045	1180	1183	1186	rVB4	141567	154314	3.89%	0.234%
20	9.086	1187	1190	1193	rVV3	153341	141631	3.57%	0.214%
21	9.151	1199	1201	1207	rVB	516944	460707	11.61%	0.697%
22	9.222	1207	1213	1221	rBV	1967058	1955978	49.31%	2.961%
23	9.292	1221	1225	1228	rBV3	269426	324011	8.17%	0.490%
24	9.327	1228	1231	1236	rBV3	152576	134214	3.38%	0.203%
25	9.492	1255	1259	1263	rBV2	238272	347512	8.76%	0.526%
26	9.563	1267	1271	1274	rVV	397696	447744	11.29%	0.678%
27	9.604	1274	1278	1282	rVB4	585587	705048	17.77%	1.067%
28	9.763	1302	1305	1310	rVV3	299751	401002	10.11%	0.607%
29	9.804	1310	1312	1319	rVV3	225130	391450	9.87%	0.593%
30	9.863	1319	1322	1323	rVV2	102580	129716	3.27%	0.196%
31	9.880	1323	1325	1327	rVV2	212866	242883	6.12%	0.368%
32	9.904	1327	1329	1332	rVV	956550	979284	24.69%	1.482%
33	9.939	1332	1335	1342	rVV	1090495	1136938	28.66%	1.721%
34	10.004	1342	1346	1350	rVV2	140910	253933	6.40%	0.384%

LSC Area Percent Report

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Acq On : 8 Mar 2018 20:55
Operator : SJ/JU
Sample : J1823-03
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : MHB-WCB

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:\HPCHEM1\BNA_F\METHODS\8270-BF022218.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	10.057	1353	1355	1357	rVV3	151206	169235	4.27%	0.256%
36	10.116	1360	1365	1368	rVV2	594538	746106	18.81%	1.129%
37	10.145	1368	1370	1374	rVB3	265029	273643	6.90%	0.414%
38	10.222	1379	1383	1386	rBV	194525	239093	6.03%	0.362%
39	10.251	1386	1388	1394	rVB3	162172	162054	4.09%	0.245%
40	10.316	1394	1399	1403	rBV4	216196	356485	8.99%	0.540%
41	10.457	1419	1423	1429	rVB	1184551	1232104	31.06%	1.865%
42	10.522	1429	1434	1435	rBV	346895	354442	8.94%	0.537%
43	10.539	1435	1437	1440	rVV2	389762	351961	8.87%	0.533%
44	10.616	1447	1450	1454	rVB	253718	289175	7.29%	0.438%
45	10.704	1461	1465	1471	rBV3	968488	1253538	31.60%	1.898%
46	10.804	1477	1482	1490	rVB2	463556	681542	17.18%	1.032%
47	11.004	1513	1516	1519	rVB	240350	255409	6.44%	0.387%
48	11.033	1519	1521	1524	rVB	168409	133484	3.37%	0.202%
49	11.133	1533	1538	1540	rBV3	167135	287021	7.24%	0.434%
50	11.157	1540	1542	1546	rVB2	166679	181724	4.58%	0.275%
51	11.257	1554	1559	1564	rBV3	262415	538556	13.58%	0.815%
52	11.298	1564	1566	1573	rVB	384854	389842	9.83%	0.590%
53	11.404	1580	1584	1586	rBV	746485	826839	20.84%	1.252%
54	11.433	1586	1589	1594	rVV	3490193	3966646	100.00%	6.005%
55	11.480	1594	1597	1601	rVB	1270419	1156077	29.14%	1.750%
56	11.639	1619	1624	1628	rBV2	795567	990294	24.97%	1.499%
57	11.904	1666	1669	1672	rBV	726035	836683	21.09%	1.267%
58	11.933	1672	1674	1680	rVB2	869433	1079315	27.21%	1.634%
59	11.986	1680	1683	1685	rBV	376189	341224	8.60%	0.517%
60	12.021	1685	1689	1691	rBV2	936754	1020031	25.72%	1.544%
61	12.092	1696	1701	1703	rBV4	103452	158429	3.99%	0.240%
62	12.198	1716	1719	1723	rBV	409393	378786	9.55%	0.573%
63	12.245	1724	1727	1730	rVB2	172882	161284	4.07%	0.244%
64	12.333	1739	1742	1748	rBV3	260526	396532	10.00%	0.600%
65	12.380	1748	1750	1753	rBV	171304	129669	3.27%	0.196%
66	12.457	1760	1763	1767	rBV2	446311	508017	12.81%	0.769%
67	12.545	1775	1778	1779	rBV2	154744	168695	4.25%	0.255%
68	12.633	1788	1793	1800	rBV	3150570	3965073	99.96%	6.002%
69	12.686	1800	1802	1807	rVB2	116086	141645	3.57%	0.214%
70	12.774	1814	1817	1820	rBV2	189831	197100	4.97%	0.298%
71	12.863	1825	1832	1836	rBV3	2629599	3903662	98.41%	5.909%

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Sample : J1823-03
Misc :
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Instrument : BNA_F
ClientSampleId : MHB-WCB

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
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Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF022218.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

72	12.904	1836	1839	1843	rVB	303287	337995	8.52%	0.512%
73	12.986	1849	1853	1857	rBV2	1273330	1270135	32.02%	1.923%
74	13.021	1857	1859	1863	rVB	192352	214002	5.40%	0.324%
75	13.080	1863	1869	1872	rBV4	304112	542616	13.68%	0.821%
76	13.115	1872	1875	1878	rBV	113576	133052	3.35%	0.201%
77	13.186	1879	1887	1892	rBV	833595	1212770	30.57%	1.836%
78	13.251	1895	1898	1901	rVV	579971	509120	12.84%	0.771%
79	13.286	1901	1904	1911	rVB3	368286	602588	15.19%	0.912%
80	13.345	1911	1914	1917	rVB2	128441	129932	3.28%	0.197%
81	13.386	1918	1921	1923	rBV	218054	216184	5.45%	0.327%
82	13.415	1923	1926	1929	rBV2	254275	255505	6.44%	0.387%
83	13.586	1953	1955	1957	rBV3	116470	129335	3.26%	0.196%
84	13.610	1957	1959	1961	rVB	145054	123430	3.11%	0.187%
85	13.668	1966	1969	1972	rBV2	108986	130958	3.30%	0.198%
86	13.704	1972	1975	1978	rBV	253361	251565	6.34%	0.381%
87	13.810	1990	1993	1995	rBV2	270420	263001	6.63%	0.398%
88	13.833	1995	1997	1999	rVV	319477	277156	6.99%	0.420%
89	13.868	2000	2003	2009	rVV4	529350	780224	19.67%	1.181%
90	13.915	2009	2011	2016	rVB	268733	251996	6.35%	0.381%
91	14.057	2030	2035	2039	rBV3	1479577	2417199	60.94%	3.659%
92	14.092	2039	2041	2048	rVB	1359507	1203629	30.34%	1.822%
93	14.168	2052	2054	2060	rBV2	295046	318671	8.03%	0.482%
94	14.451	2100	2102	2105	rVB	310535	262580	6.62%	0.397%
95	14.486	2106	2108	2112	rVB	151585	131792	3.32%	0.200%
96	14.580	2122	2124	2126	rBV	162595	146256	3.69%	0.221%
97	15.133	2213	2218	2228	rVB	792946	1743237	43.95%	2.639%
98	15.445	2267	2271	2278	rVB	383147	502459	12.67%	0.761%
99	15.509	2278	2282	2289	rVB	638263	836958	21.10%	1.267%
100	15.574	2290	2293	2295	rBV	202587	210183	5.30%	0.318%

Sum of corrected areas: 66060623

LSC Report - Integrated Chromatogram

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Data File : BF103529.D
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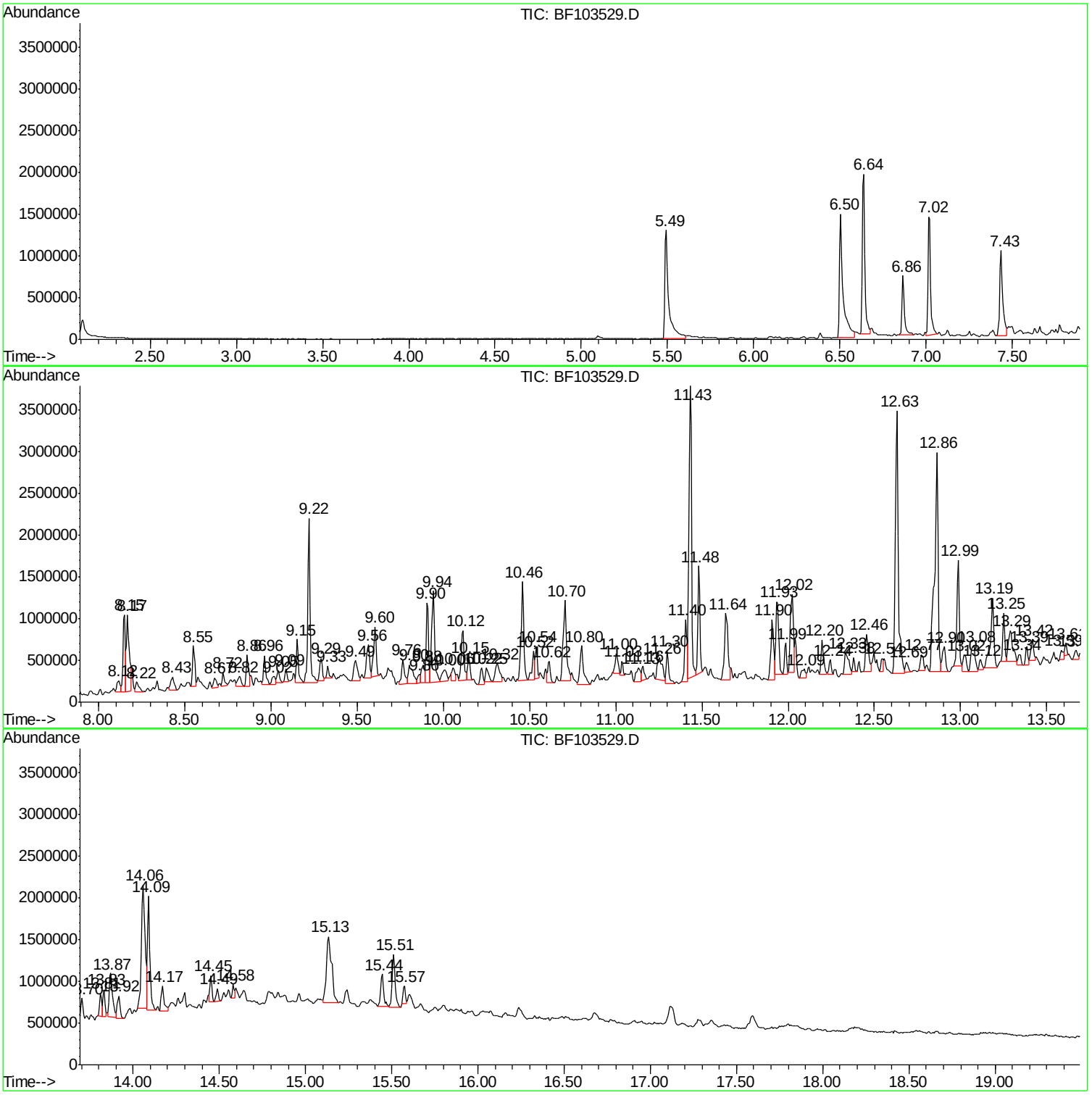
Sample : J1823-03
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : MHB-WCB

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF022218.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

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Instrument : BNA_F
ClientSampleId : MHB-WCB

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF022218.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

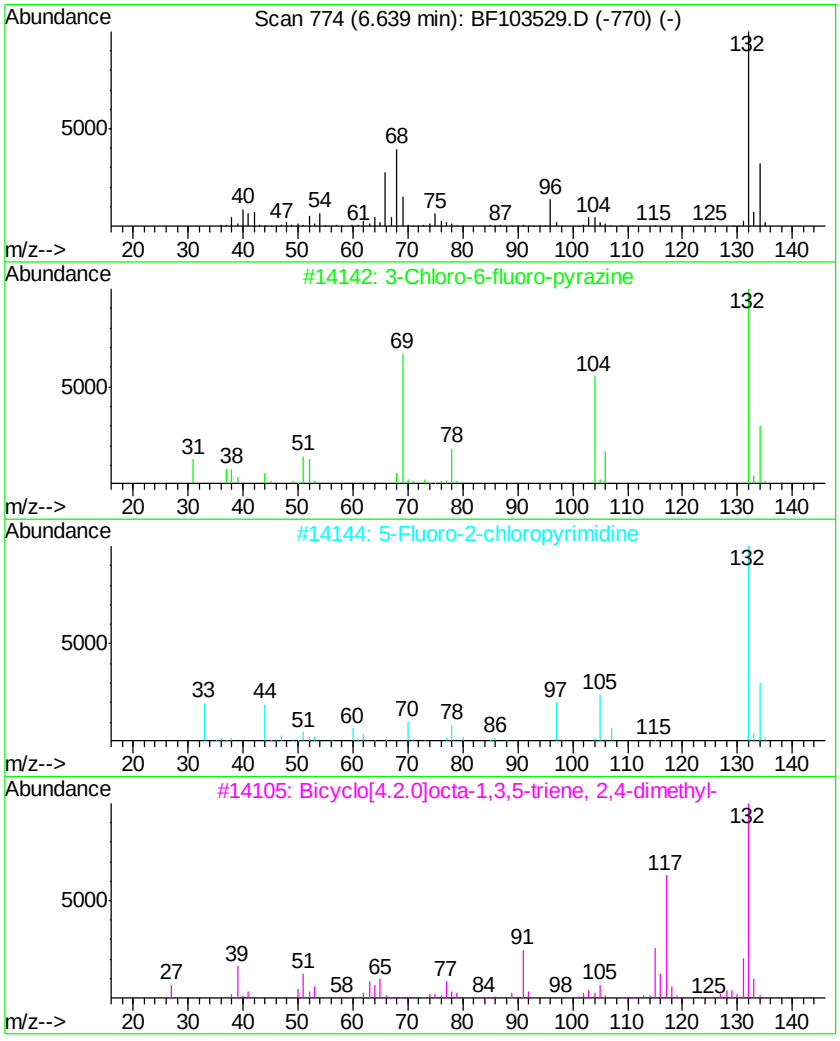
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

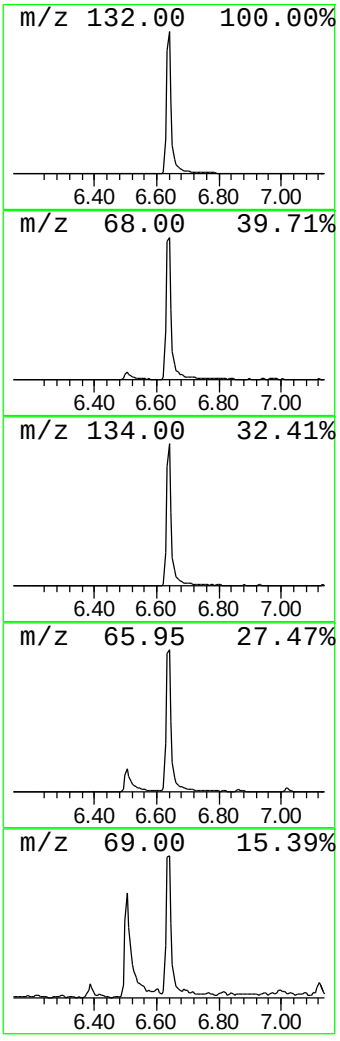
****

Peak Number 1 unknown6.64 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.64	55.68 ng	2127880	1,4-Dichlorobenzene-d4	6.86

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	27
2	5-Fluoro-2-chloropyrimidine	132	C4H2ClFN2	062802-42-0	16
3	Bicyclo[4.2.0]octa-1,3,5-triene,...	132	C10H12	028749-81-7	9
4	2H-Cyclopenta[d]pyridazine, 2-me...	132	C8H8N2	022291-85-6	9
5	4-Methylpyrrolo[1,2-a]pyrazine	132	C8H8N2	064608-60-2	9





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Instrument : BNA_F
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Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF022218.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

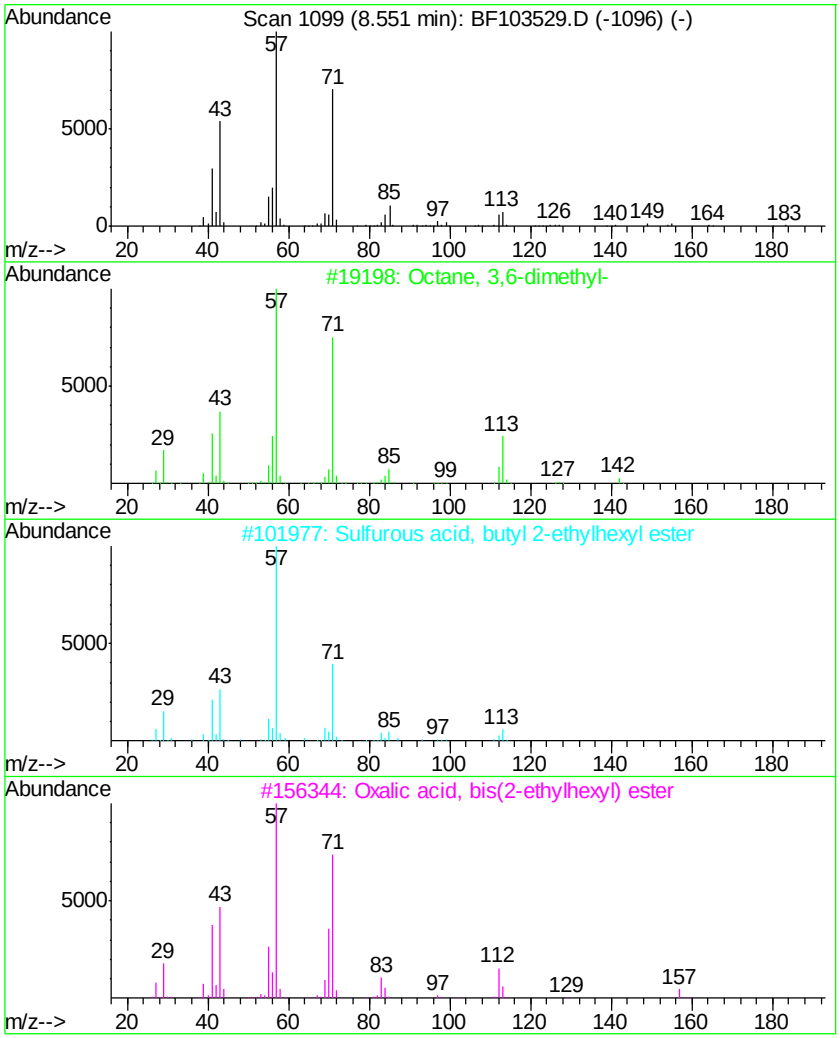
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

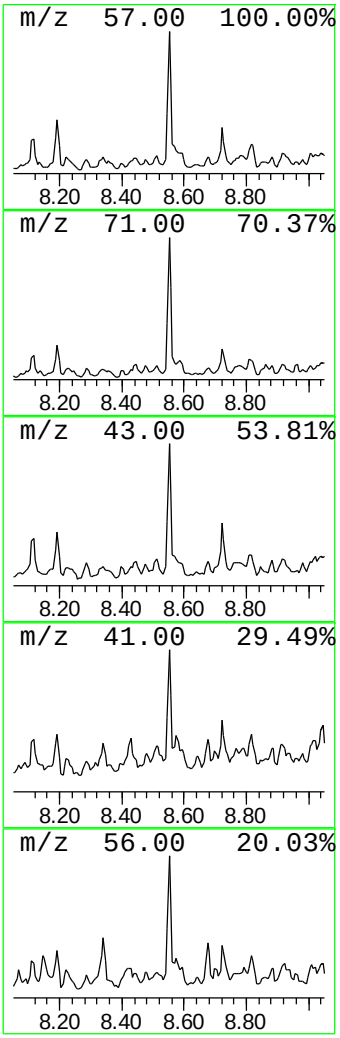
****

Peak Number 3 Octane, 3,6-dimethyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.55	7.63 ng	356296	Naphthalene-d8	8.15

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octane, 3,6-dimethyl-	142	C10H22	015869-94-0	78
2	Sulfurous acid, butyl 2-ethylhex...	250	C12H26O3S	1000309-18-8	59
3	Oxalic acid, bis(2-ethylhexyl) e...	314	C18H34O4	1000309-39-0	59
4	Undecane, 6,6-dimethyl-	184	C13H28	017312-76-4	59
5	Nonane, 3-methyl-	142	C10H22	005911-04-6	59





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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
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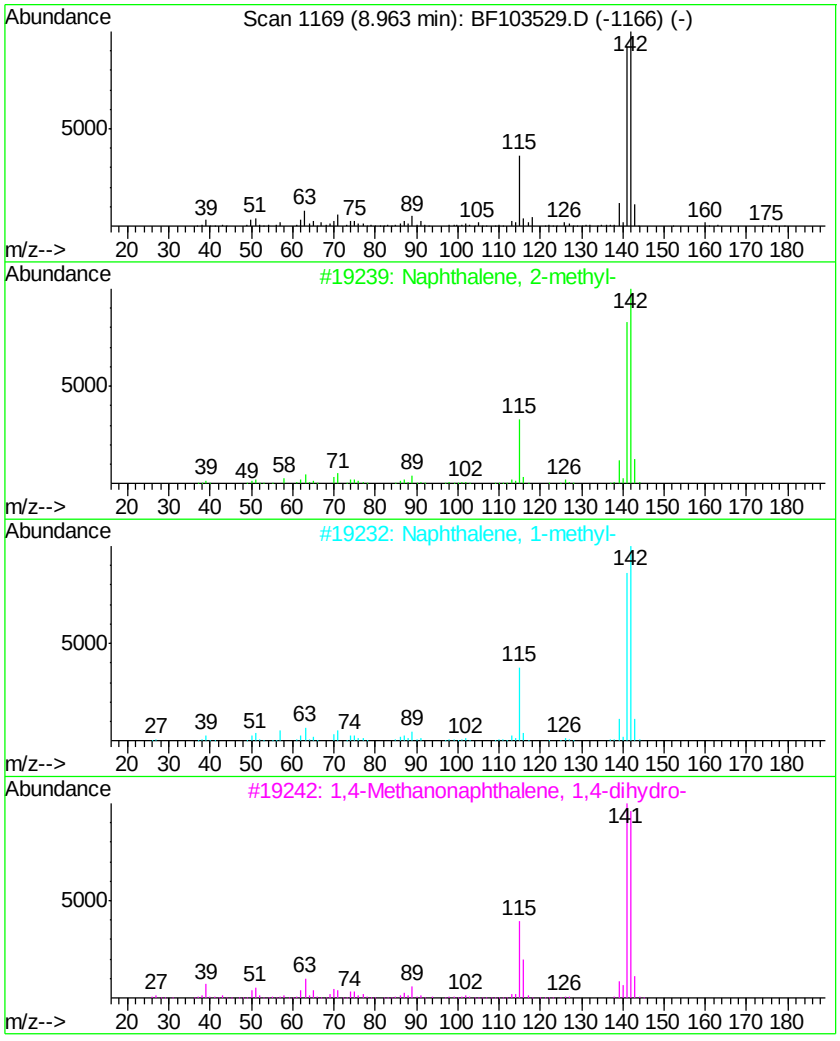
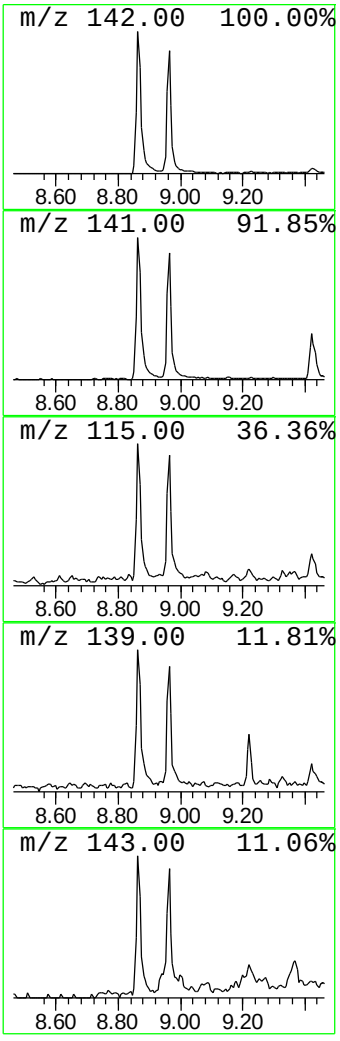
Peak Number 4 Naphthalene, 1-methyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.96	7.55 ng	352692	Naphthalene-d8	8.15

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-methyl-	142	C11H10	000091-57-6	96
2	Naphthalene, 1-methyl-	142	C11H10	000090-12-0	96
3	1,4-Methanonaphthalene, 1,4-dihy...	142	C11H10	004453-90-1	94
4	Bicyclo[4.4.1]undeca-1,3,5,7,9-p...	142	C11H10	002443-46-1	91
5	Benzocycloheptatriene	142	C11H10	000264-09-5	91





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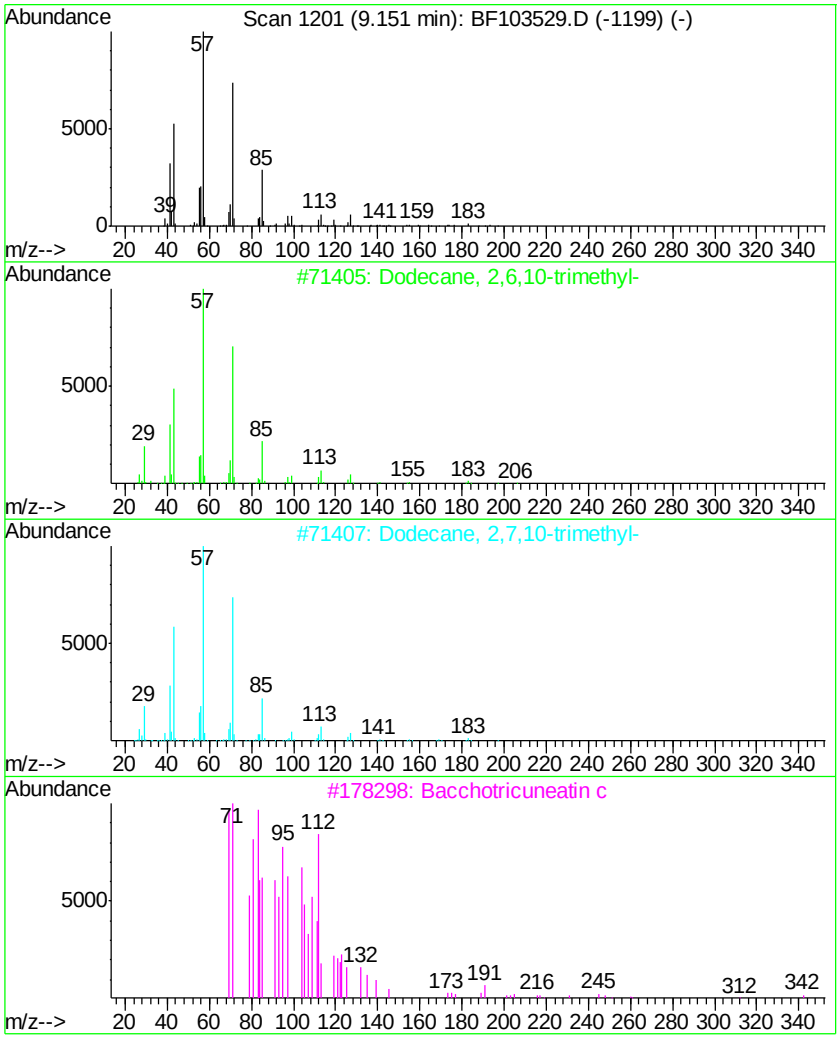
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF022218.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

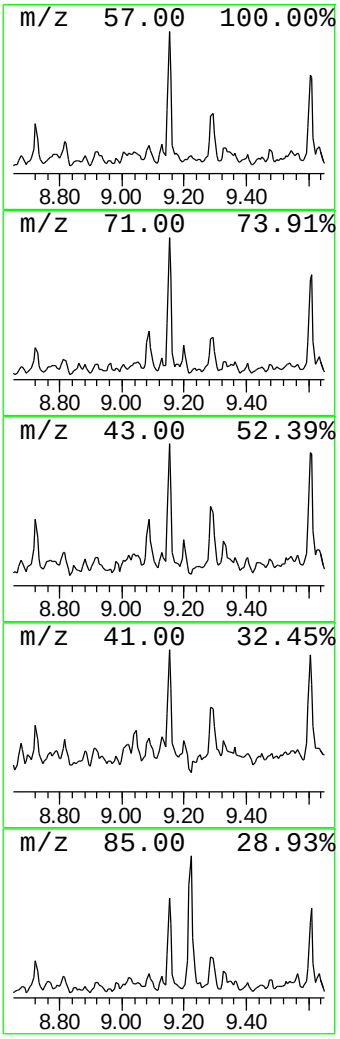
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 5 Dodecane, 2,6,10-trimethyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.15	9.41 ng	460707	Acenaphthene-d10	9.90

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dodecane, 2,6,10-trimethyl-	212	C15H32	003891-98-3	86
2	Dodecane, 2,7,10-trimethyl-	212	C15H32	074645-98-0	86
3	Bacchotricuneatin c	342	C20H22O5	066563-30-2	80
4	Hexadecane, 7-methyl-	240	C17H36	026730-20-1	72
5	Sulfurous acid, 2-ethylhexyl hex...	418	C24H50O3S	1000309-19-9	64





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Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : MHB-WCB

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF022218.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

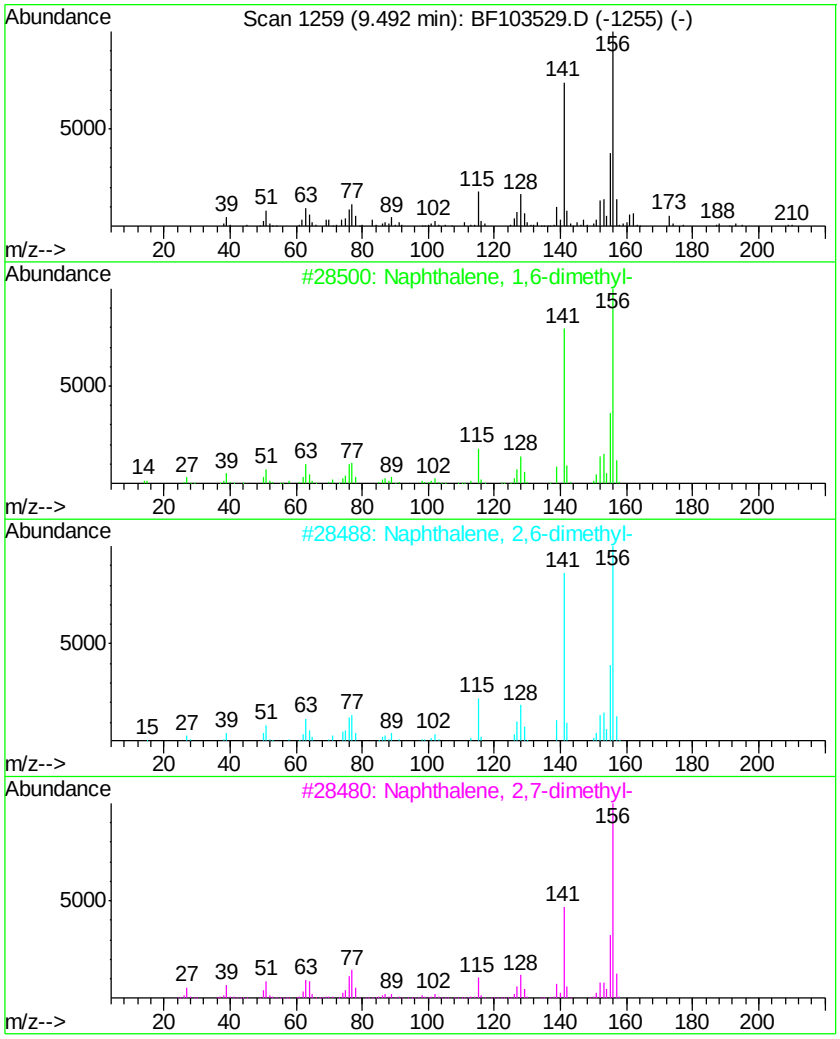
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

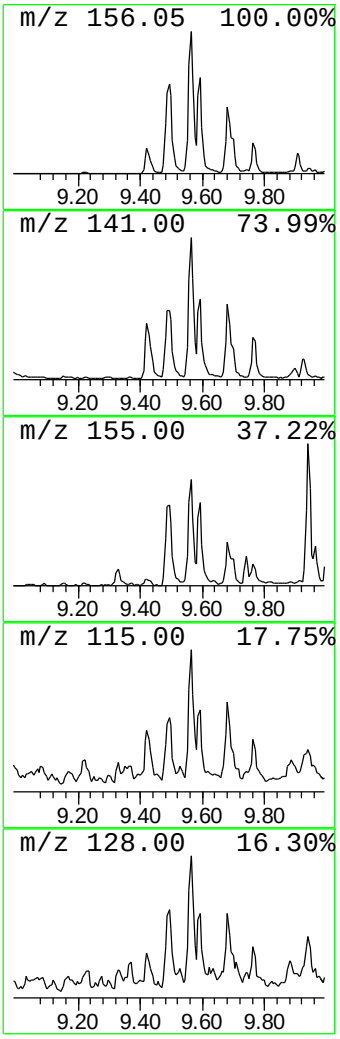
****

Peak Number 6 Naphthalene, 1,6-dimethyl- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.49	7.10 ng	347512	Acenaphthene-d10	9.90

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	98
2	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	98
3	Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	97
4	Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	96
5	Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	96





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Sample : J1823-03
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ClientSampleId : MHB-WCB

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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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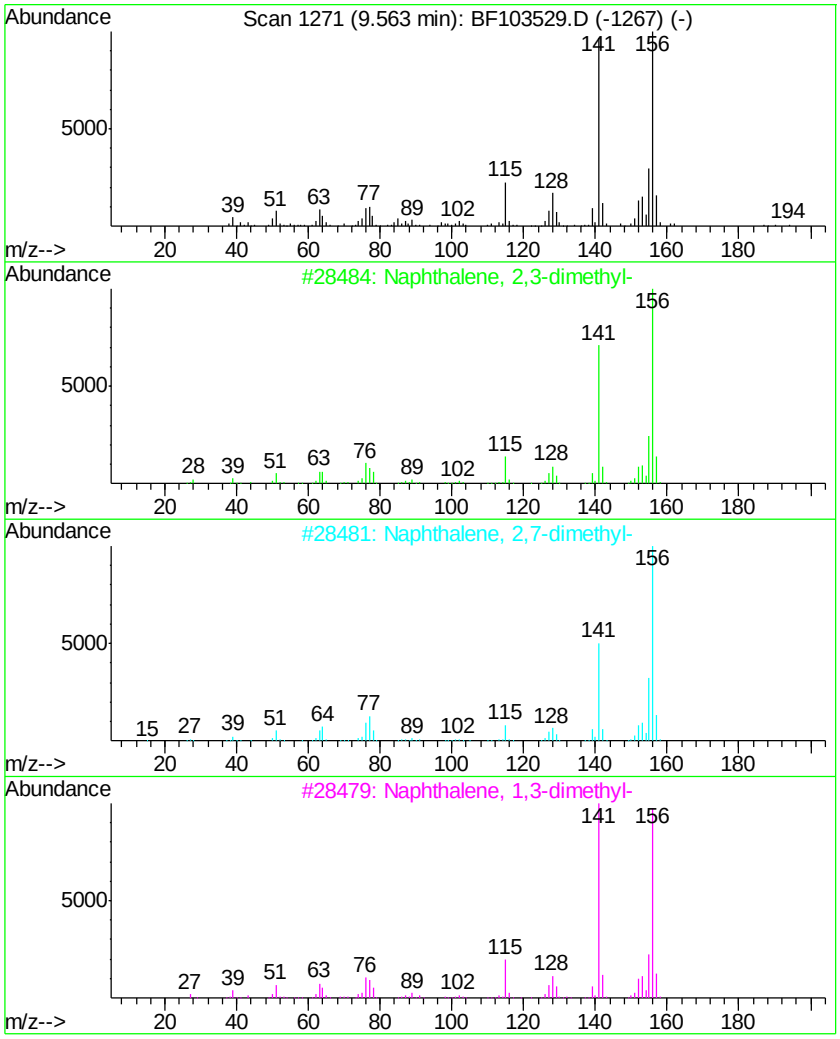
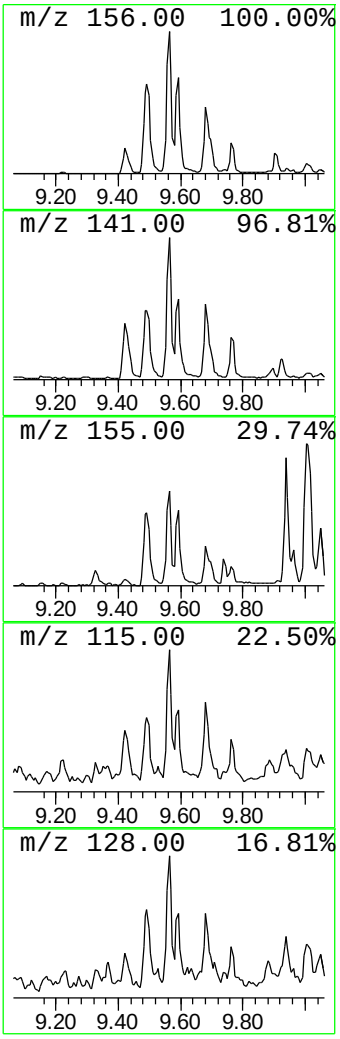
Peak Number 7 Naphthalene, 2,3-dimethyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.56	9.14 ng	447744	Acenaphthene-d10	9.90

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	97
2	Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	97
3	Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	97
4	Naphthalene, 1,4-dimethyl-	156	C12H12	000571-58-4	96
5	Naphthalene, 1,5-dimethyl-	156	C12H12	000571-61-9	96





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

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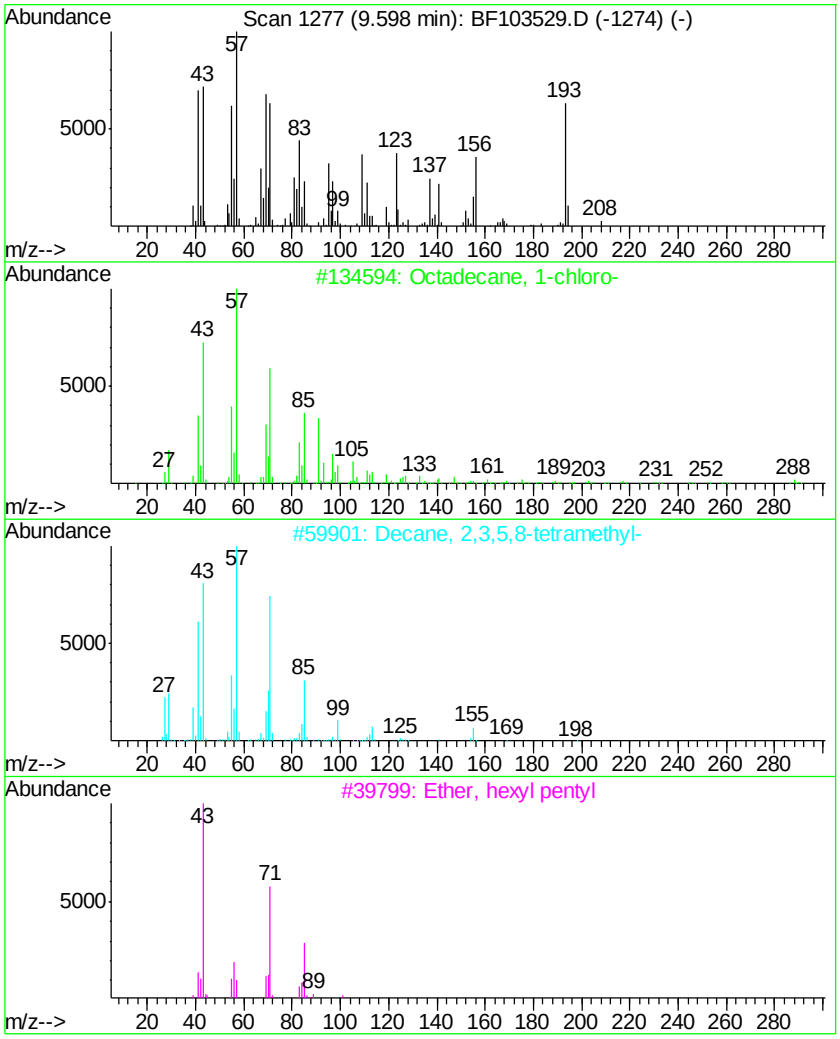
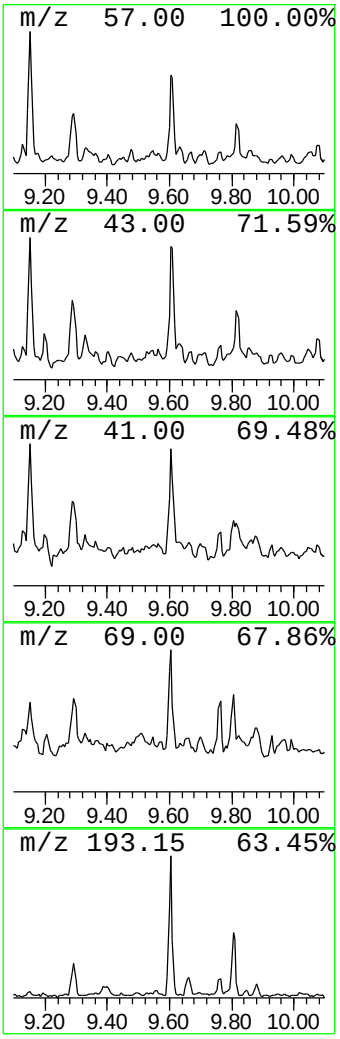
Peak Number 8 unknown9.60 Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.60	14.40 ng	705048	Acenaphthene-d10	9.90

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octadecane, 1-chloro-	288	C18H37Cl	003386-33-2	47
2	Decane, 2,3,5,8-tetramethyl-	198	C14H30	192823-15-7	43
3	Ether, hexyl pentyl	172	C11H24O	032357-83-8	43
4	1-Nonene, 4,6,8-trimethyl-	168	C12H24	054410-98-9	38
5	Heptadecane, 2,6,10,14-tetramethyl-	296	C21H44	018344-37-1	38





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

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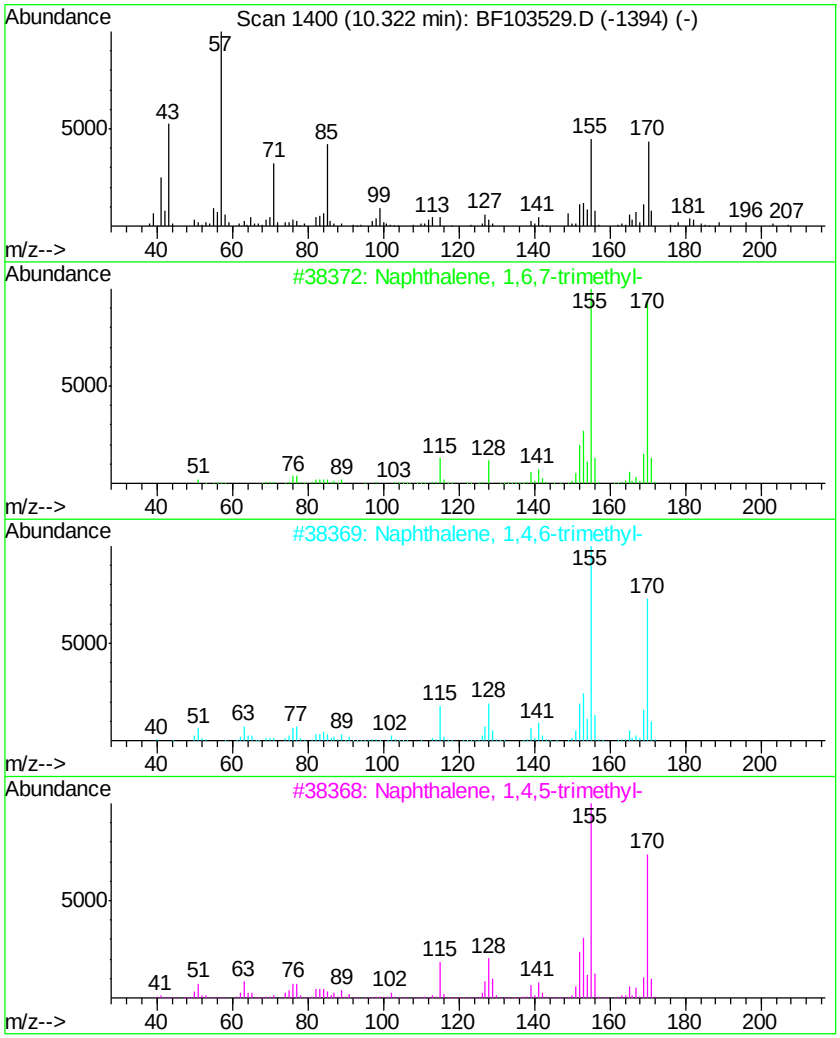
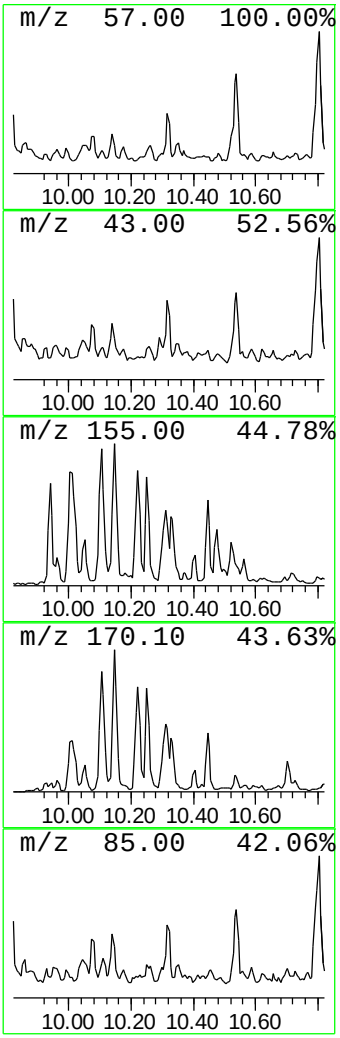
Peak Number 9 Naphthalene, 1,6,7-trimethyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.32	7.28 ng	356485	Acenaphthene-d10	9.90

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,6,7-trimethyl-	170	C13H14	002245-38-7	97
2	Naphthalene, 1,4,6-trimethyl-	170	C13H14	002131-42-2	95
3	Naphthalene, 1,4,5-trimethyl-	170	C13H14	002131-41-1	94
4	Naphthalene, 2,3,6-trimethyl-	170	C13H14	000829-26-5	93
5	4,6,8-Trimethylazulene	170	C13H14	000941-81-1	90





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ClientSampleId : MHB-WCB

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

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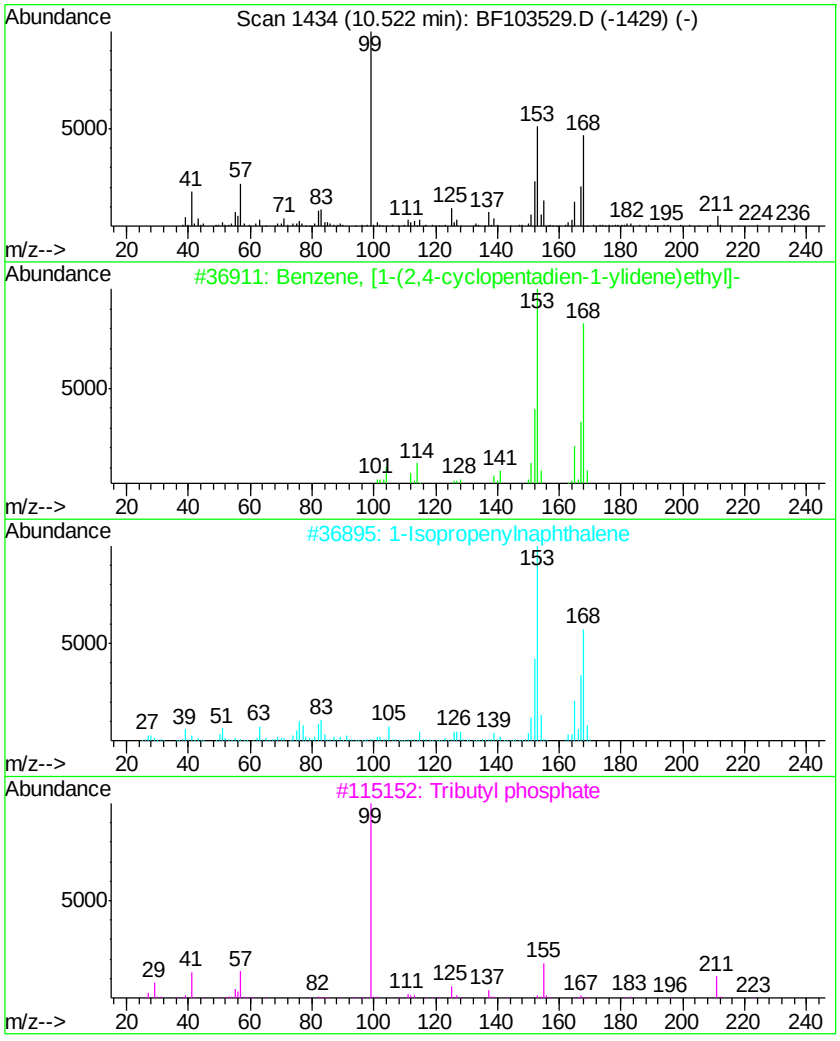
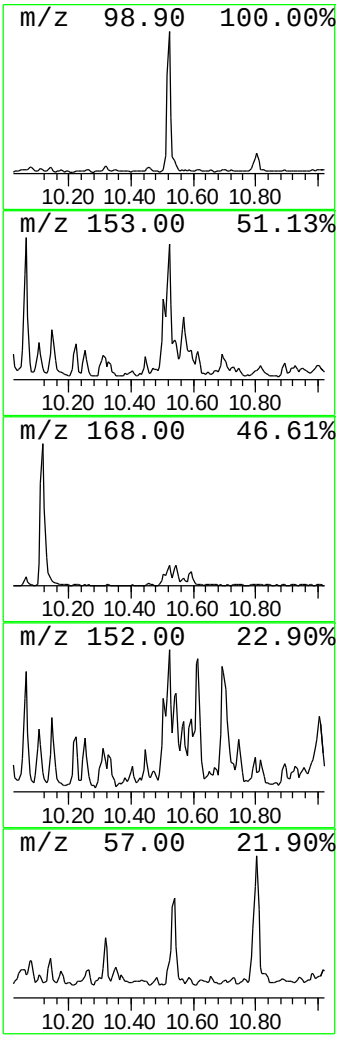
Peak Number 10 Benzene, [1-(2,4-cyclopenta... Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.52	7.24 ng	354442	Acenaphthene-d10	9.90

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, [1-(2,4-cyclopentadien-...	168	C13H12	002320-32-3	64
2	1-Isopropenylnaphthalene	168	C13H12	001855-47-6	43
3	Tributyl phosphate	266	C12H27O4P	000126-73-8	27
4	Naphthalene, 1-(2-propenyl)-	168	C13H12	002489-86-3	16
5	2H-Pyrimido[1,2-a]pyrimidine, 1,...	153	C8H15N3	084030-20-6	14





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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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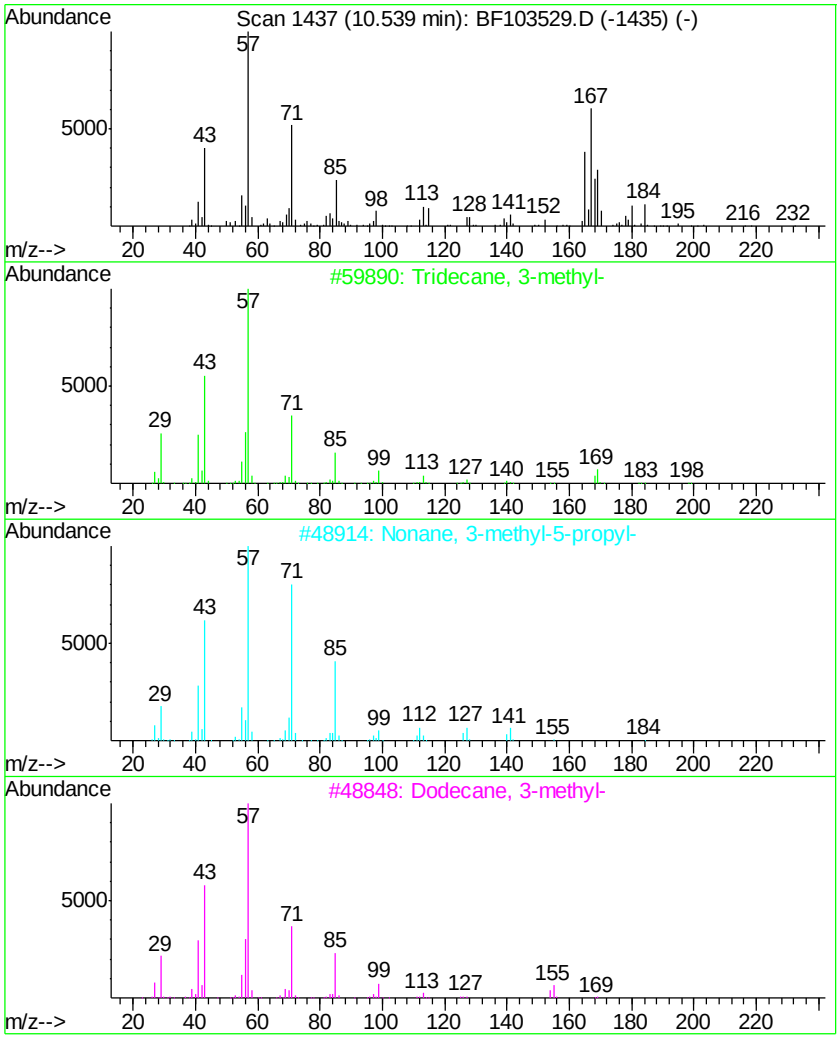
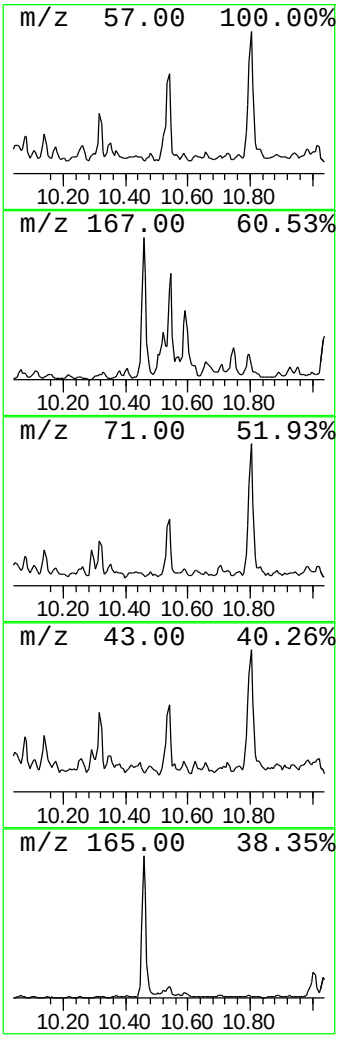
Peak Number 11 unknown10.54 Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.54	7.19 ng	351961	Acenaphthene-d10	9.90

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tridecane, 3-methyl-	198	C14H30	006418-41-3	27
2	Nonane, 3-methyl-5-propyl-	184	C13H28	031081-18-2	14
3	Dodecane, 3-methyl-	184	C13H28	017312-57-1	14
4	Dodecane	170	C12H26	000112-40-3	14
5	Undecane	156	C11H24	001120-21-4	14





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

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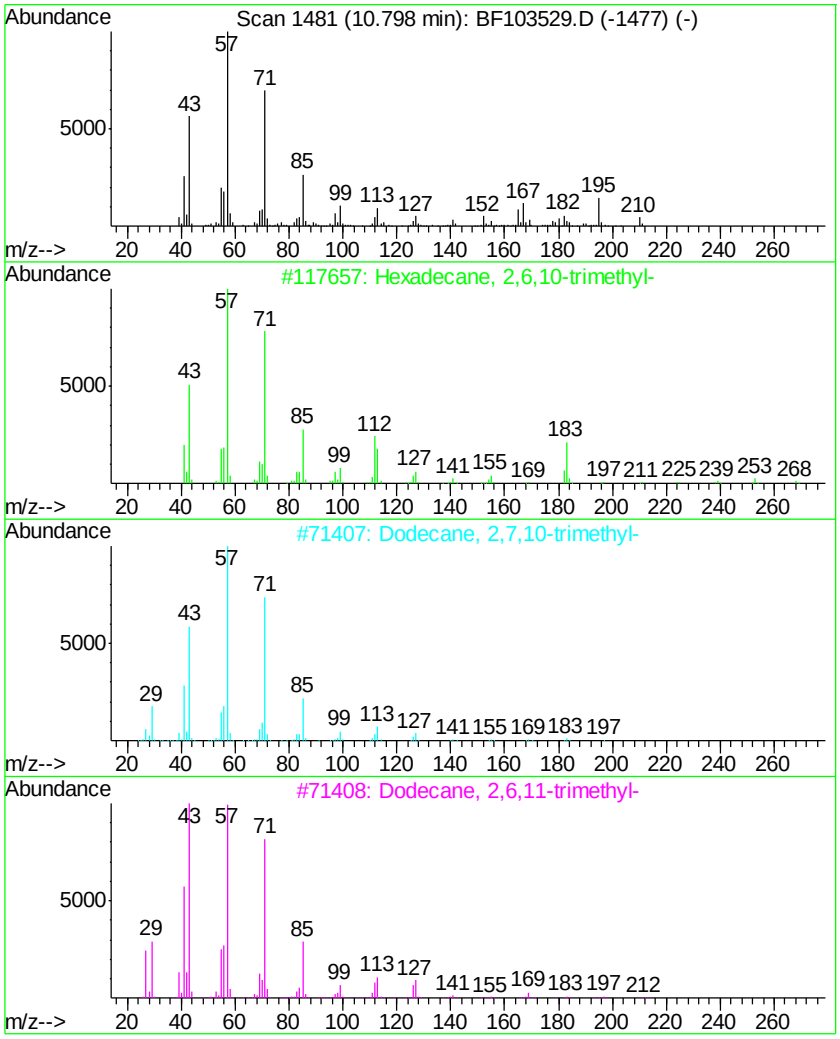
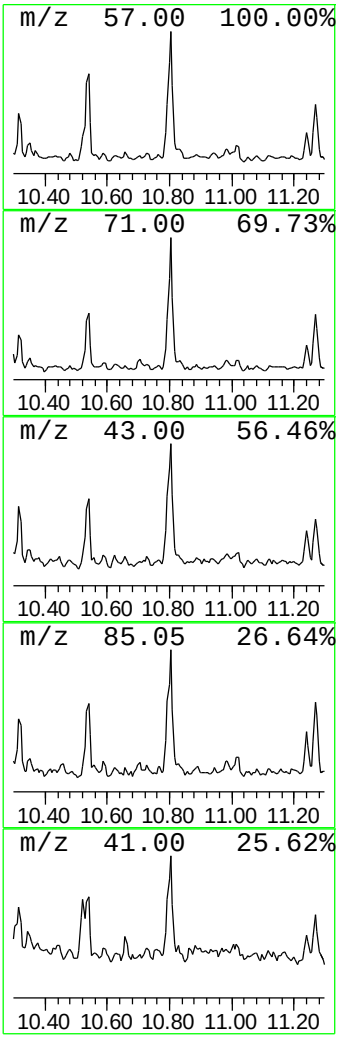
Peak Number 12 Hexadecane, 2,6,10-trimethyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.80	16.49 ng	681542	Phenanthrene-d10	11.40

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexadecane, 2,6,10-trimethyl-	268	C19H40	055000-52-7	86
2	Dodecane, 2,7,10-trimethyl-	212	C15H32	074645-98-0	83
3	Dodecane, 2,6,11-trimethyl-	212	C15H32	031295-56-4	80
4	Tridecane, 7-methyl-	198	C14H30	026730-14-3	76
5	Octane, 2-methyl-	128	C9H20	003221-61-2	72





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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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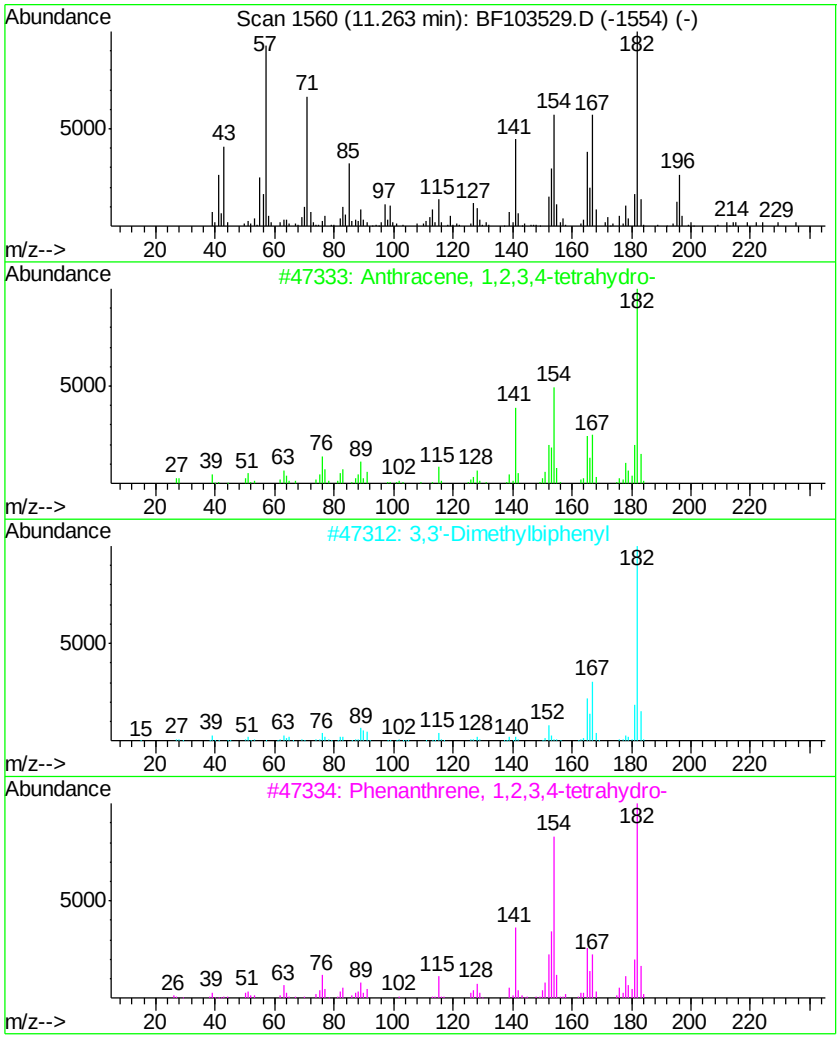
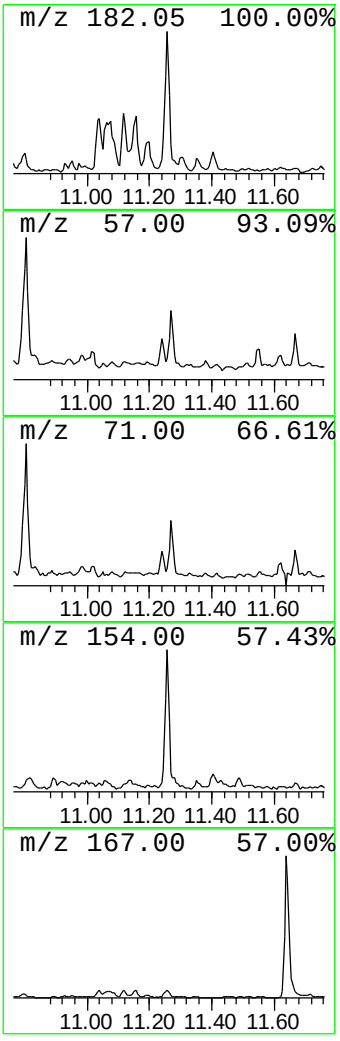
Peak Number 13 Anthracene, 1,2,3,4-tetrahy... Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.26	13.03 ng	538556	Phenanthrene-d10	11.40

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 1,2,3,4-tetrahydro-	182	C14H14	002141-42-6	90
2	3,3'-Dimethylbiphenyl	182	C14H14	000612-75-9	78
3	Phenanthrene, 1,2,3,4-tetrahydro-	182	C14H14	001013-08-7	64
4	4,4'-Dimethylbiphenyl	182	C14H14	000613-33-2	60
5	1,1'-Biphenyl, 3,4'-dimethyl-	182	C14H14	007383-90-6	60





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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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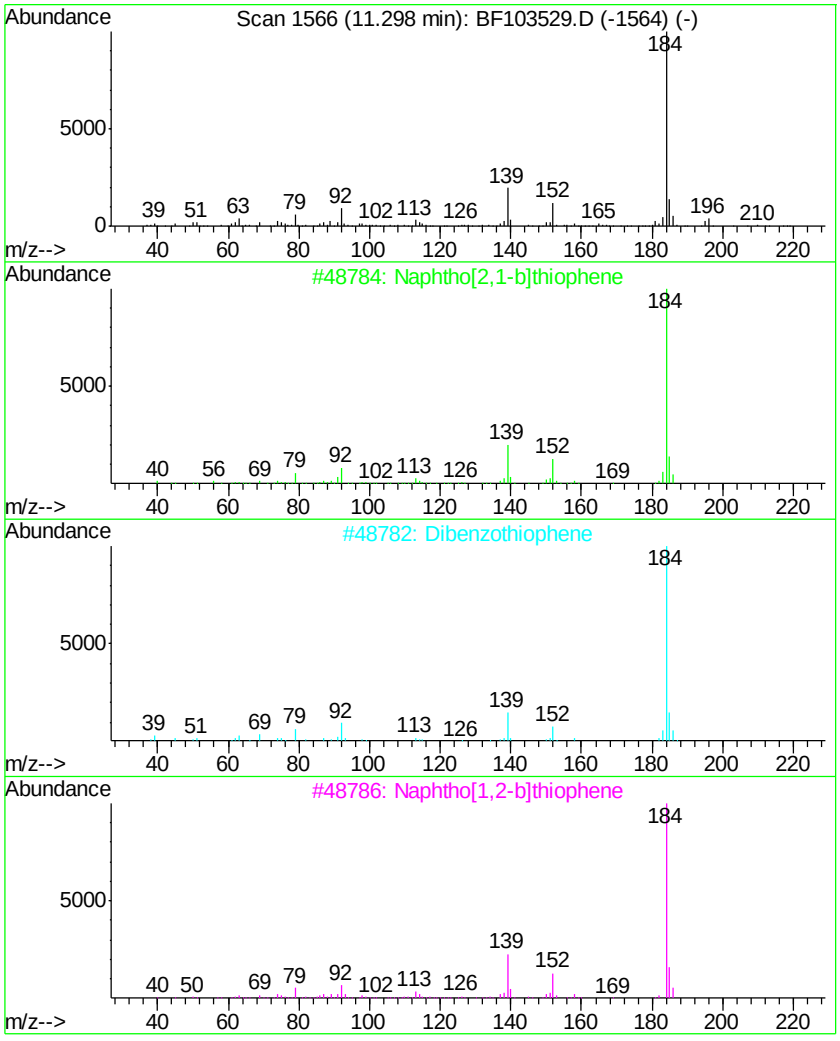
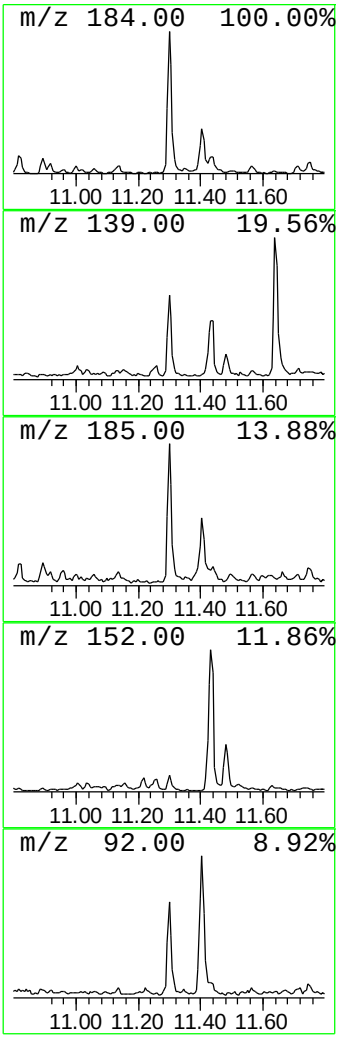
Peak Number 14 Naphtho[2,1-b]thiophene Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.30	9.43 ng	389842	Phenanthrene-d10	11.40

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphtho[2,1-b]thiophene	184	C12H8S	000233-02-3	96
2	Dibenzothiophene	184	C12H8S	000132-65-0	96
3	Naphtho[1,2-b]thiophene	184	C12H8S	000234-41-3	93
4	Azuleno(2,1-b)thiophene	184	C12H8S	000248-13-5	91
5	Naphtho[2,3-b]thiophene	184	C12H8S	000268-77-9	87





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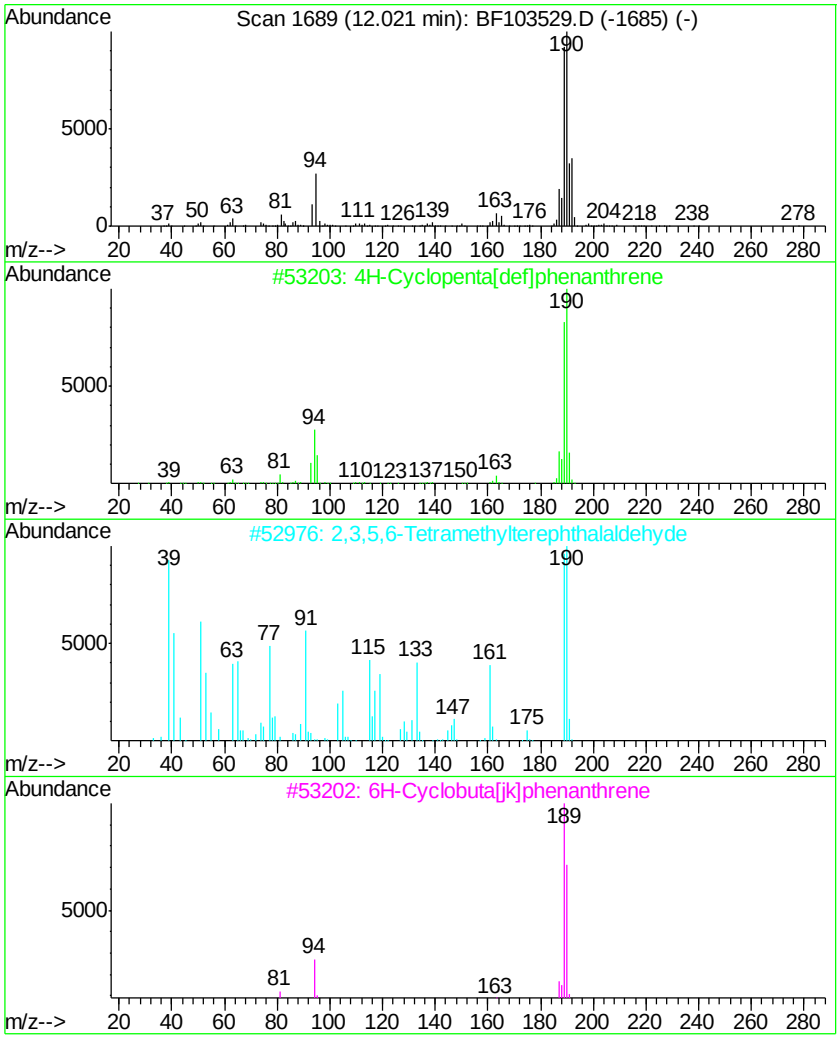
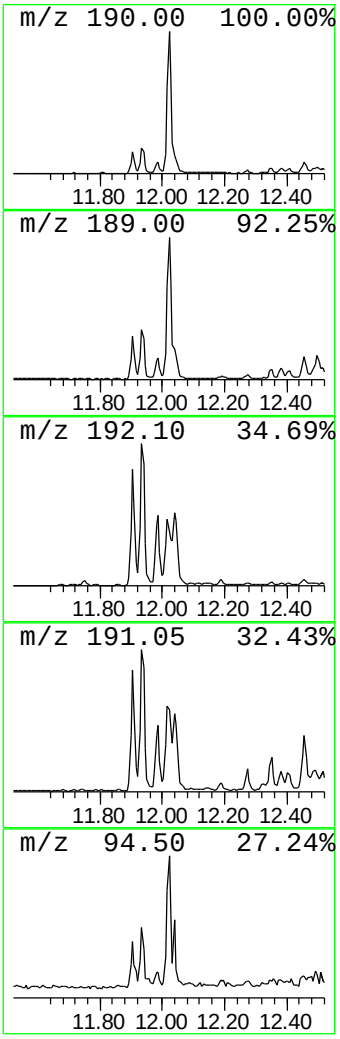
Peak Number 15 4H-Cyclopenta[def]phenanthrene Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.02	24.67 ng	1020030	Phenanthrene-d10	11.40

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	95
2	2,3,5,6-Tetramethylterephthalald...	190	C12H14O2	007072-01-7	50
3	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	50
4	2,2'-Bis(4,5-dimethylimidazole)	190	C10H14N4	069286-06-2	45
5	Methyl diselenide	190	C2H6Se2	007101-31-7	43





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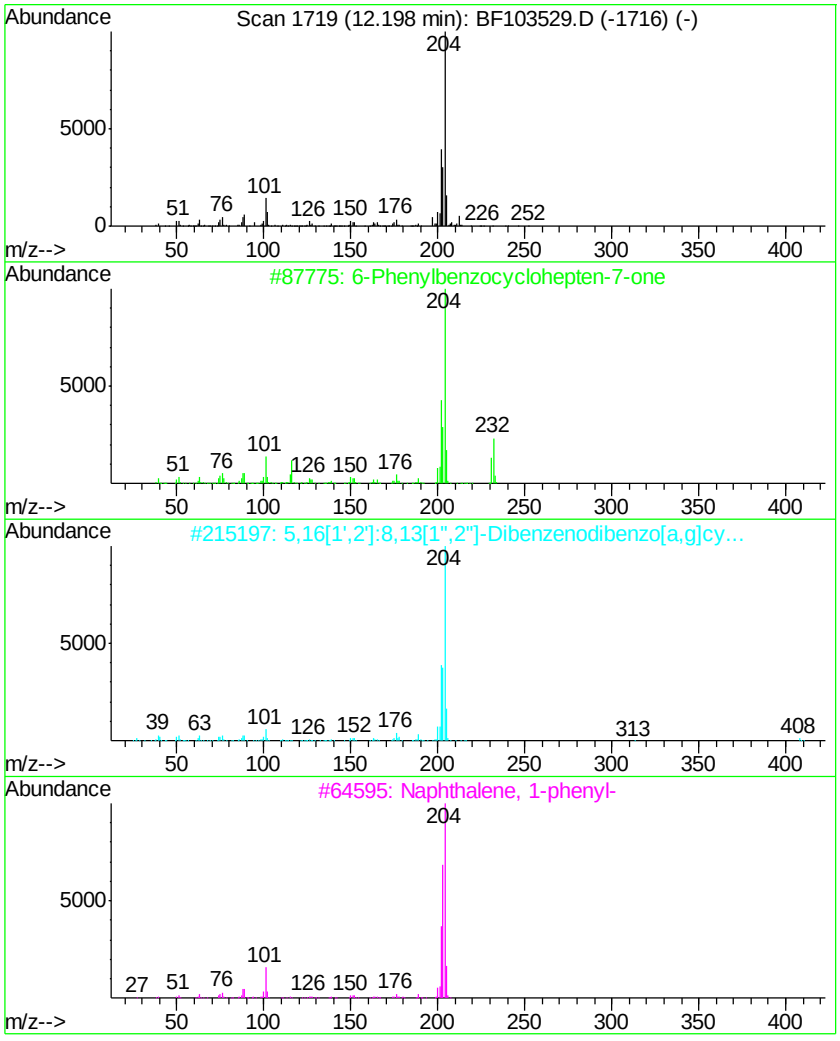
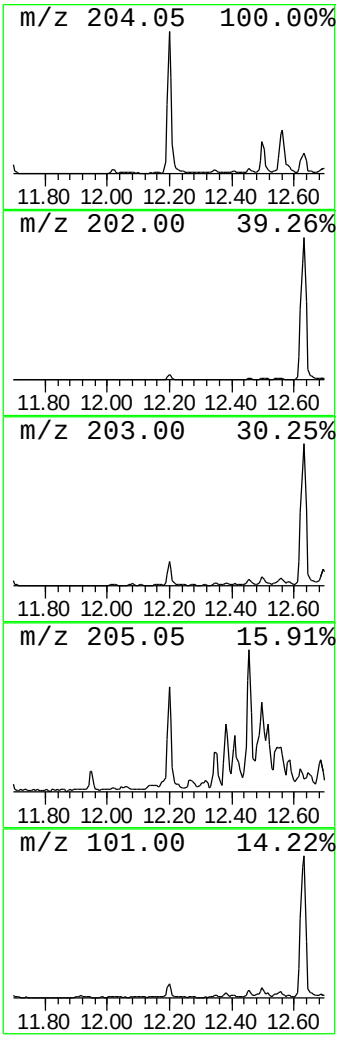
Peak Number 16 6-Phenylbenzocyclohepten-7-one Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.20	9.16 ng	378786	Phenanthrene-d10	11.40

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	6-Phenylbenzocyclohepten-7-one	232	C17H12O	093327-56-1	90
2	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	86
3	Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	78
4	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	70
5	[1,1'-Biphenyl]-2-ol, 5-chloro-	204	C12H9ClO	000607-12-5	49





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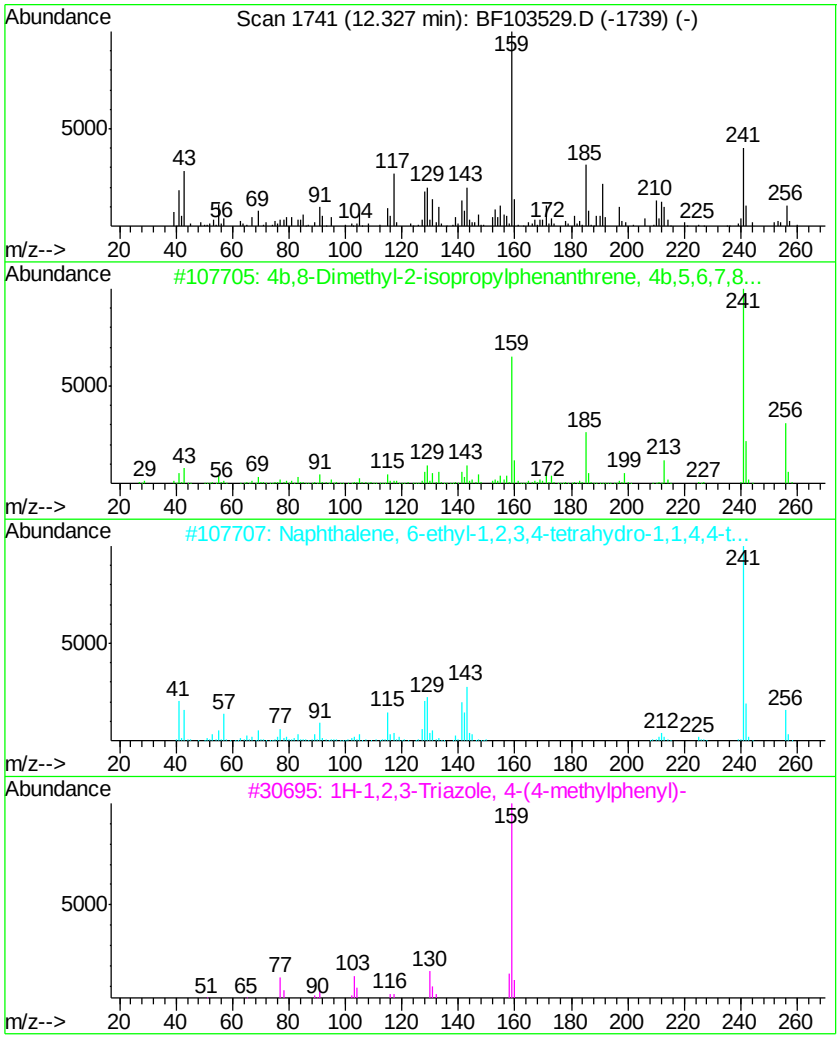
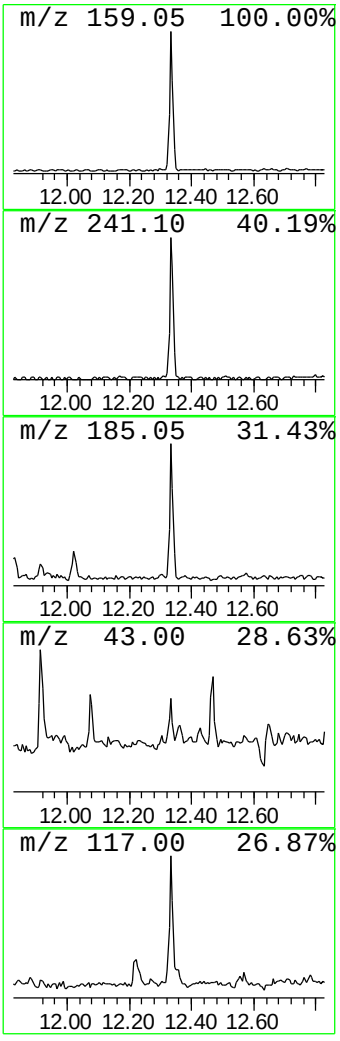
Peak Number 17 4b,8-Dimethyl-2-isopropylph... Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.33	9.59 ng	396532	Phenanthrene-d10	11.40

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4b,8-Dimethyl-2-isopropylphenant...	256	C19H28	1000197-14-1	94
2	Naphthalene, 6-ethyl-1,2,3,4-tet...	256	C19H28	301643-35-6	38
3	1H-1,2,3-Triazole, 4-(4-methylph...	159	C9H9N3	005301-96-2	25
4	N-Propionylserotonin	232	C13H16N2O2	106827-56-9	22
5	Benzene, 1-(2-chloroethyl)-2-(tr...	208	C9H8ClF3	094022-94-3	22





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Acq On : 8 Mar 2018 20:55
Operator : SJ/JU
Sample : J1823-03
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : MHB-WCB

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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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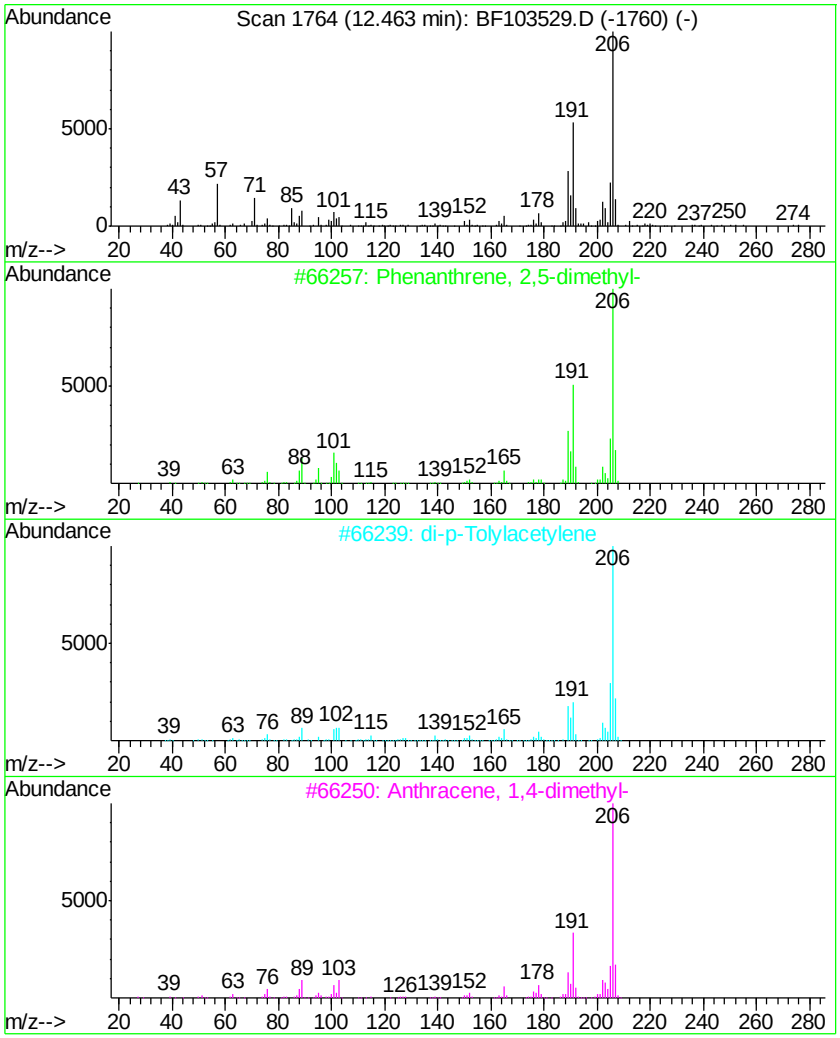
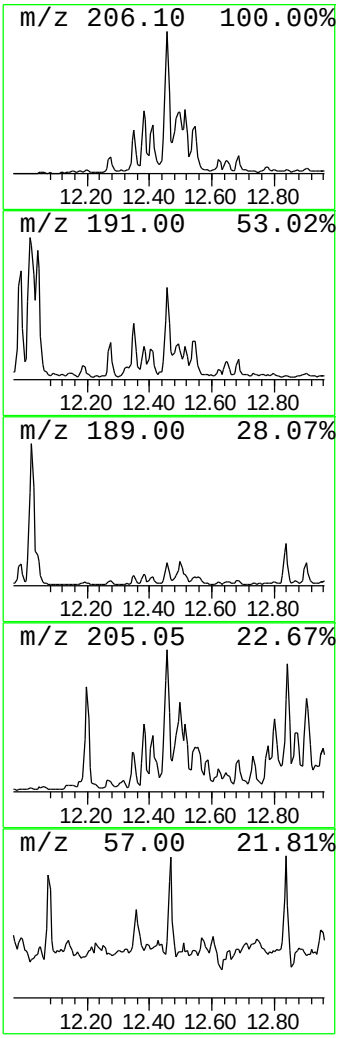
Peak Number 18 Phenanthrene, 2,5-dimethyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.46	12.29 ng	508017	Phenanthrene-d10	11.40

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	97
2	di-p-Tolylacetylene	206	C16H14	002789-88-0	93
3	Anthracene, 1,4-dimethyl-	206	C16H14	000781-92-0	93
4	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	93
5	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	93





Library Search Compound Report

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Data File : BF103529.D
Acq On : 8 Mar 2018 20:55
Operator : SJ/JU
Sample : J1823-03
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : MHB-WCB

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF022218.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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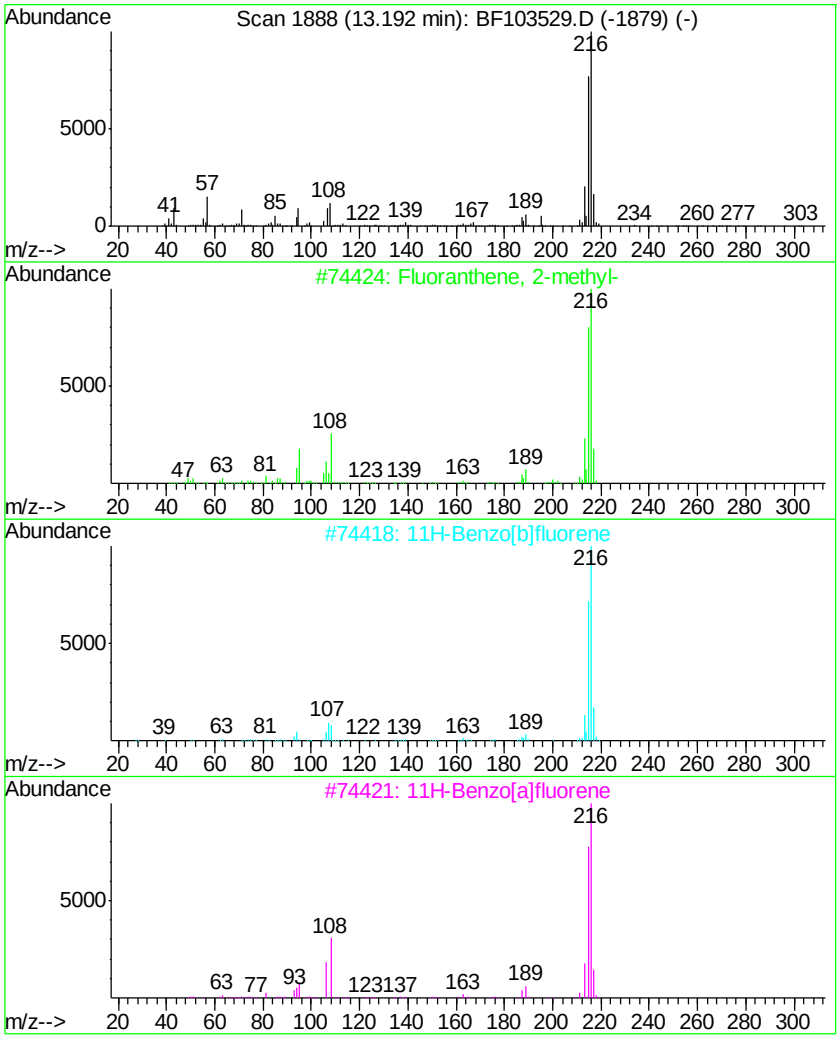
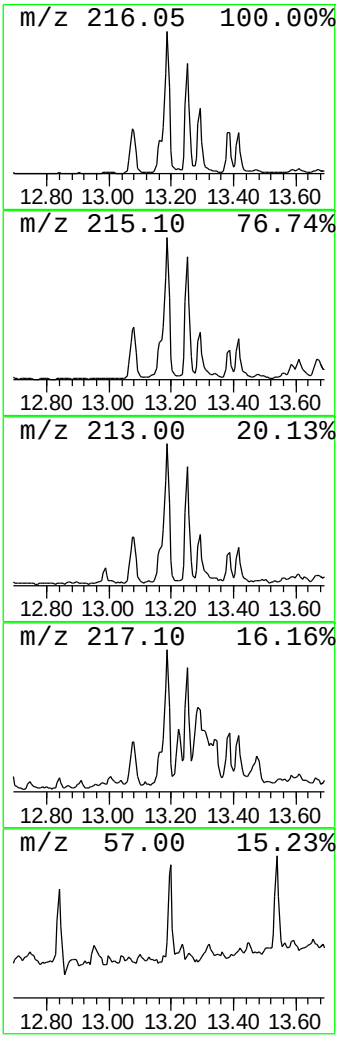
Peak Number 19 Fluoranthene, 2-methyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.19	10.03 ng	1212770	Chrysene-d12	14.06

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	94
2	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	94
3	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	91
4	Pyrene, 1-methyl-	216	C17H12	002381-21-7	87
5	Pyrene, 2-methyl-	216	C17H12	003442-78-2	86





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Acq On : 8 Mar 2018 20:55
Operator : SJ/JU
Sample : J1823-03
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : MHB-WCB

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF022218.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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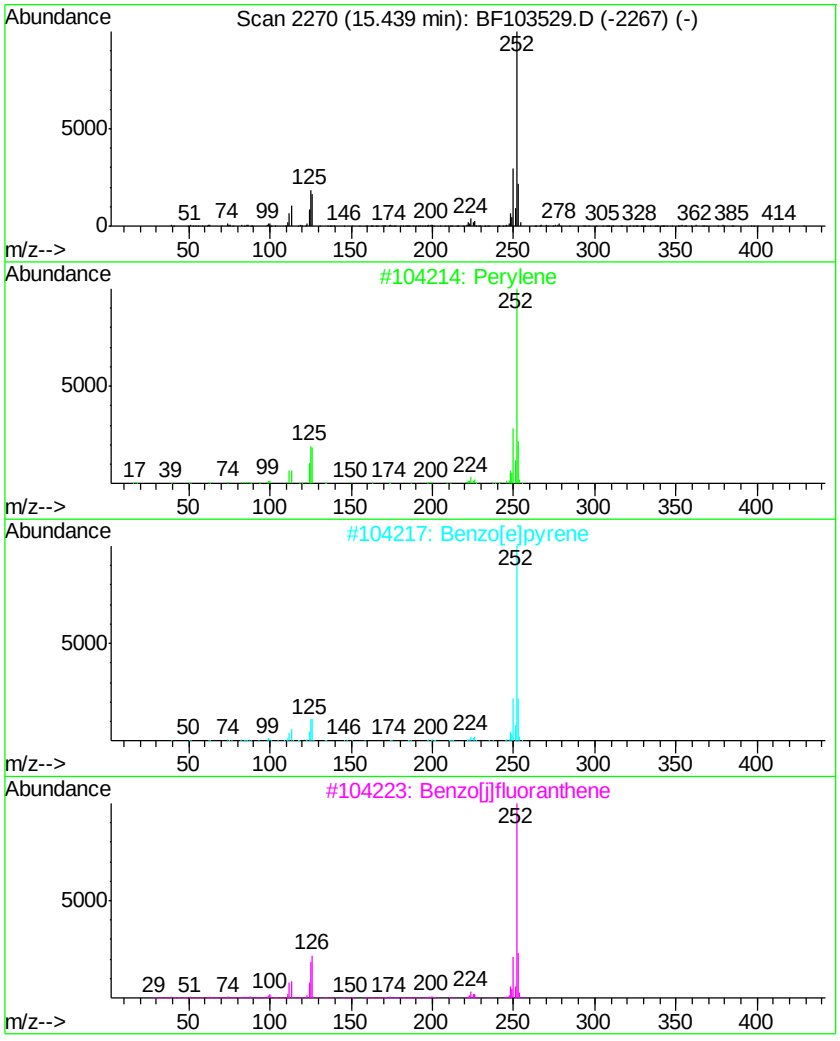
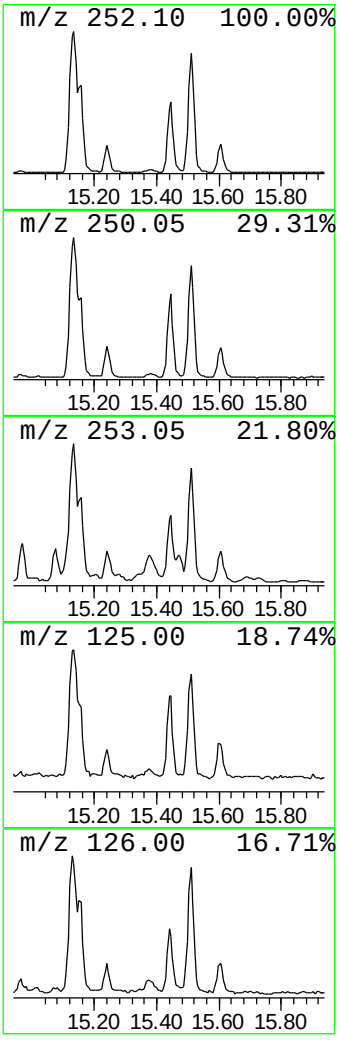
Peak Number 20 Perylene Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.44	47.81 ng	502459	Perylene-d12	15.57

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Perylene	252	C20H12	000198-55-0	99
2	Benzo[e]pyrene	252	C20H12	000192-97-2	98
3	Benzo[j]fluoranthene	252	C20H12	000205-82-3	95
4	Benzo[a]pyrene	252	C20H12	000050-32-8	95
5	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	93





Tentatively Identified Compound (LSC) summary

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Data File : BF103529.D
Acq On : 8 Mar 2018 20:55
Operator : SJ/JU
Sample : J1823-03
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : MHB-WCB

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF022218.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
unknown6.64	6.64	55.7	ng	2127880	1	6.86	764387	20.0
Octane, 3,6-dimet...	8.55	7.6	ng	356296	2	8.15	934415	20.0
Naphthalene, 1-me...	8.96	7.5	ng	352692	2	8.15	934415	20.0
Dodecane, 2,6,10-...	9.15	9.4	ng	460707	3	9.90	979284	20.0
Naphthalene, 1,6-...	9.49	7.1	ng	347512	3	9.90	979284	20.0
Naphthalene, 2,3-...	9.56	9.1	ng	447744	3	9.90	979284	20.0
unknown9.60	9.60	14.4	ng	705048	3	9.90	979284	20.0
Naphthalene, 1,6,...	10.32	7.3	ng	356485	3	9.90	979284	20.0
Benzene, [1-(2,4-...	10.52	7.2	ng	354442	3	9.90	979284	20.0
unknown10.54	10.54	7.2	ng	351961	3	9.90	979284	20.0
Hexadecane, 2,6,1...	10.80	16.5	ng	681542	4	11.40	826839	20.0
Anthracene, 1,2,3...	11.26	13.0	ng	538556	4	11.40	826839	20.0
Naphtho[2,1-b]thi...	11.30	9.4	ng	389842	4	11.40	826839	20.0
4H-Cyclopenta[def...	12.02	24.7	ng	1020030	4	11.40	826839	20.0
6-Phenylbenzocycl...	12.20	9.2	ng	378786	4	11.40	826839	20.0
4b,8-Dimethyl-2-i...	12.33	9.6	ng	396532	4	11.40	826839	20.0
Phenanthrene, 2,5...	12.46	12.3	ng	508017	4	11.40	826839	20.0
Fluoranthene, 2-m...	13.19	10.0	ng	1212770	5	14.06	2417200	20.0
Perylene	15.44	47.8	ng	502459	6	15.57	210183	20.0