LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF121919\
Data File : BF118294.D
Acq On : 19 Dec 2019 22:12
Operator : JU
Sample : K6325-04
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : RT-3425

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-BF120619.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	5.063	501	506	517	rVB	394152	486247	3.75%	0.495%
2	5.475	572	576	591	rVB	1403656	1623016	12.50%	1.654%
3	6.116	679	685	698	rBV4	81298	218968	1.69%	0.223%
4	6.492	745	749	761	rBV	1955684	2141832	16.50%	2.182%
5	6.628	768	772	779	rBV	2586543	2338332	18.01%	2.382%
6	6.757	791	794	803	rVB2	149423	137292	1.06%	0.140%
7	6.857	808	811	818	rVB	767973	594909	4.58%	0.606%
8	7.016	834	838	840	rBV	2053745	1810769	13.95%	1.845%
9	7.034	840	841	850	rVB	221292	186422	1.44%	0.190%
10	7.116	852	855	861	rVV	270722	229532	1.77%	0.234%
11	7.422	903	907	910	rBV	1559089	1324334	10.20%	1.349%
12	8.145	1026	1030	1031	rBV	897348	749536	5.77%	0.764%
13	8.169	1031	1034	1037	rVV	3457920	2856296	22.00%	2.910%
14	8.216	1039	1042	1050	rVB	138101	137766	1.06%	0.140%
15	8.498	1087	1090	1100	rBV	508324	533761	4.11%	0.544%
16	8.651	1112	1116	1123	rVB	357363	361483	2.78%	0.368%
17	8.863	1148	1152	1155	rBV	3692962	3009100	23.18%	3.066%
18	8.916	1157	1161	1164	rVV	946708	912038	7.03%	0.929%
19	8.963	1164	1169	1172	rVB	1616790	1485690	11.45%	1.514%
20	9.222	1210	1213	1216	rVB	3305698	2600696	20.04%	2.650%
21	9.322	1227	1230	1241	rVB	1160983	1013092	7.80%	1.032%
22	9.422	1241	1247	1253	rBV	329497	402685	3.10%	0.410%
23	9.486	1253	1258	1263	rBV	375581	525077	4.05%	0.535%
24	9.563	1266	1271	1273	rBV	604794	677413	5.22%	0.690%
25	9.586	1273	1275	1278	rVV	326871	268890	2.07%	0.274%
26	9.663	1284	1288	1289	rBV	291583	237491	1.83%	0.242%
27	9.681	1289	1291	1295	rVB	207868	198045	1.53%	0.202%
28	9.763	1300	1305	1308	rVV2	170719	151754	1.17%	0.155%
29	9.904	1323	1329	1332	rBV2	969135	1158123	8.92%	1.180%
30	9.945	1332	1336	1339	rVV	5766152	5549076	42.75%	5.654%
31	9.975	1339	1341	1344	rVV	214394	190835	1.47%	0.194%
32	10.063	1351	1356	1361	rBV	249994	256681	1.98%	0.262%
33	10.116	1361	1365	1368	rVV	3668220	3129356	24.11%	3.188%
34	10.145	1368	1370	1379	rVB	104245	129871	1.00%	0.132%

LSC Area Percent Report

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Sample : K6325-04
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : RT-3425

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-BF120619.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	10.463	1419	1424	1427	rBV	4600476	4166712	32.10%	4.245%
36	10.504	1428	1431	1432	rVV	173047	144948	1.12%	0.148%
37	10.522	1432	1434	1435	rVV	296074	231371	1.78%	0.236%
38	10.539	1435	1437	1440	rVV	457085	459240	3.54%	0.468%
39	10.592	1443	1446	1447	rVV	260106	249813	1.92%	0.255%
40	10.616	1447	1450	1455	rVB	482083	466684	3.60%	0.475%
41	10.698	1460	1464	1468	rVV	1998293	2031771	15.65%	2.070%
42	10.733	1468	1470	1475	rVB2	181841	231531	1.78%	0.236%
43	10.822	1480	1485	1491	rVB5	85511	140542	1.08%	0.143%
44	10.886	1491	1496	1499	rBV	224733	200178	1.54%	0.204%
45	10.963	1499	1509	1510	rBV2	256805	356295	2.74%	0.363%
46	10.986	1510	1513	1515	rVV2	259612	379701	2.93%	0.387%
47	11.004	1515	1516	1519	rVB2	336333	223442	1.72%	0.228%
48	11.086	1527	1530	1533	rVB2	142292	140125	1.08%	0.143%
49	11.133	1533	1538	1540	rBV3	146665	208756	1.61%	0.213%
50	11.257	1554	1559	1561	rBV2	171042	231568	1.78%	0.236%
51	11.298	1562	1566	1572	rVB	1118307	1030962	7.94%	1.050%
52	11.445	1578	1591	1593	rBV	9250315	12980290	100.00%	13.225%
53	11.480	1593	1597	1600	rVV	2321044	2200341	16.95%	2.242%
54	11.510	1600	1602	1608	rVB	749687	673838	5.19%	0.687%
55	11.633	1616	1623	1630	rBV2	1483260	1603722	12.36%	1.634%
56	11.692	1630	1633	1638	rVV3	202323	208341	1.61%	0.212%
57	11.904	1663	1669	1671	rBV	699707	711274	5.48%	0.725%
58	11.933	1671	1674	1678	rVV	1020333	972748	7.49%	0.991%
59	11.980	1678	1682	1685	rVB	298346	259927	2.00%	0.265%
60	12.022	1685	1689	1696	rVB2	1749051	1996713	15.38%	2.034%
61	12.198	1716	1719	1722	rVV	587084	456283	3.52%	0.465%
62	12.451	1759	1762	1765	rBV	136925	149996	1.16%	0.153%
63	12.551	1775	1779	1782	rBV2	151153	175999	1.36%	0.179%
64	12.633	1787	1793	1796	rBV	6379155	7163362	55.19%	7.298%
65	12.769	1809	1816	1820	rVV2	271739	322570	2.49%	0.329%
66	12.863	1824	1832	1836	rBV3	4448584	6249937	48.15%	6.368%
67	12.898	1836	1838	1842	rVB2	207637	196533	1.51%	0.200%
68	12.992	1846	1854	1856	rBV	3213713	3312511	25.52%	3.375%
69	13.010	1856	1857	1861	rVB	315459	223154	1.72%	0.227%
70	13.069	1861	1867	1870	rBV2	194416	330374	2.55%	0.337%
71	13.157	1878	1882	1883	rBV2	348887	376420	2.90%	0.384%

LSC Area Percent Report

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Sample : K6325-04
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : RT-3425

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-BF120619.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

72	13.180	1883	1886	1889	rVB	732963	651966	5.02%	0.664%
73	13.245	1894	1897	1900	rBV	830898	701566	5.40%	0.715%
74	13.280	1900	1903	1905	rVV3	252231	282221	2.17%	0.288%
75	13.798	1987	1991	1994	rBV	240787	262981	2.03%	0.268%
76	13.827	1994	1996	1998	rVV	245737	228804	1.76%	0.233%
77	13.851	1998	2000	2002	rVV	239024	244019	1.88%	0.249%
78	13.880	2002	2005	2011	rVB4	319784	480182	3.70%	0.489%
79	14.045	2025	2033	2037	rBV2	1434437	2396520	18.46%	2.442%
80	14.080	2037	2039	2047	rVB	1351196	1086154	8.37%	1.107%
81	14.157	2049	2052	2055	rVV	326229	242395	1.87%	0.247%
82	15.104	2208	2213	2216	rBV	497234	731025	5.63%	0.745%
83	15.415	2261	2266	2272	rVB	217480	290997	2.24%	0.296%
84	15.474	2272	2276	2282	rBV	257098	343671	2.65%	0.350%
85	15.545	2282	2288	2292	rBV	602604	862247	6.64%	0.878%
86	17.051	2537	2544	2563	rVB4	67750	263024	2.03%	0.268%

Sum of corrected areas: 98152152

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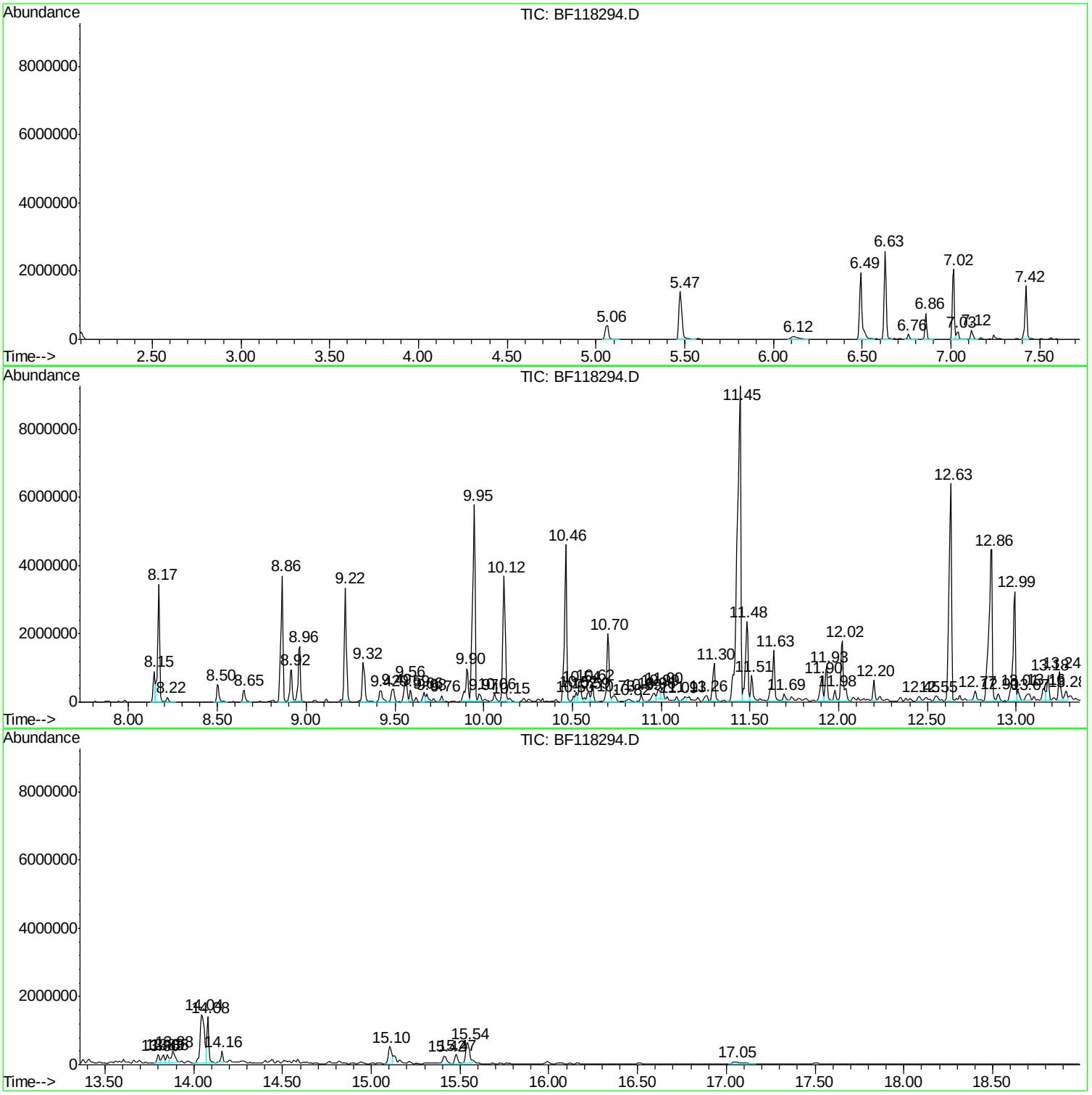
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
RT-3425

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF120619.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\BF121919\
Data File : BF118294.D
Acq On : 19 Dec 2019 22:12
Operator : JU
Sample : K6325-04
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : RT-3425

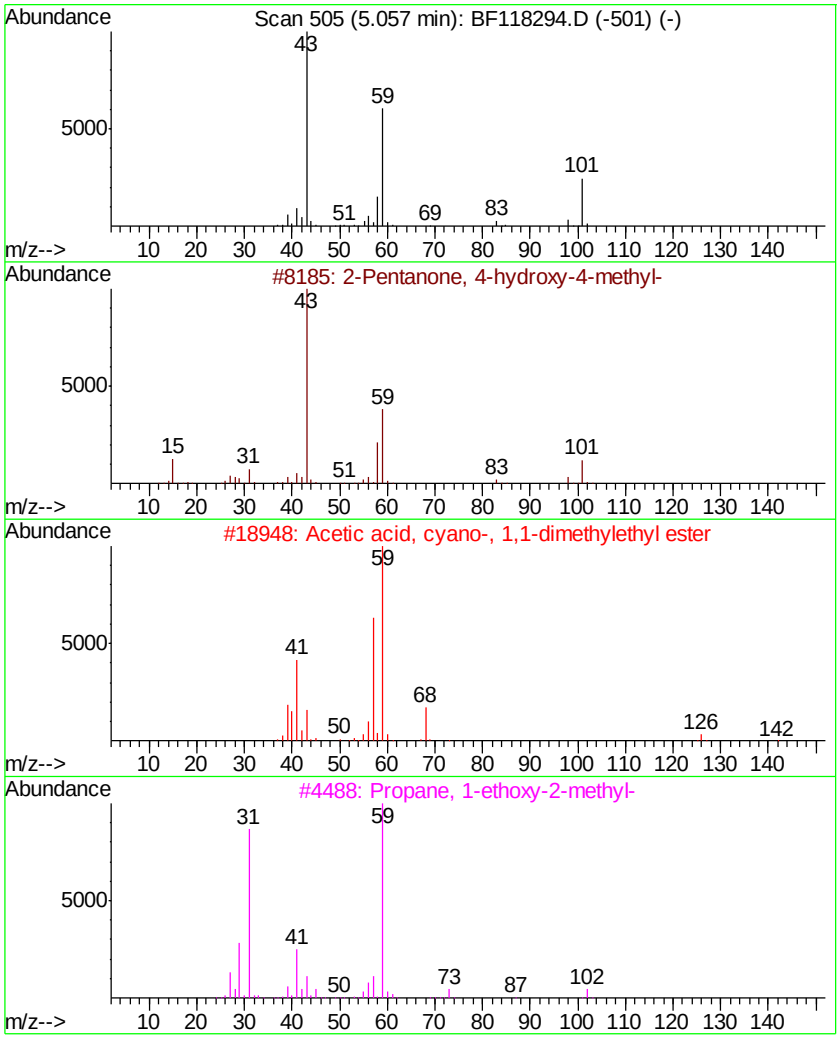
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF120619.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

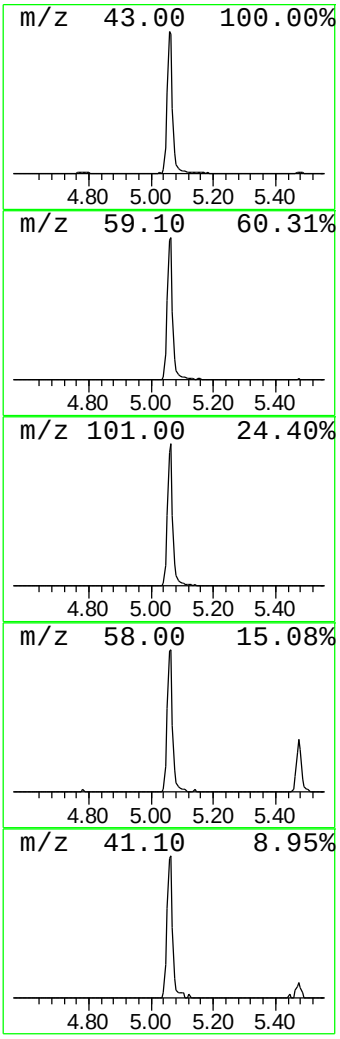
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 1 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.06	16.35 ng	486247	1,4-Dichlorobenzene-d4	6.86

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	64
2	Acetic acid, cyano-, 1,1-dimethy...	141	C7H11NO2	001116-98-9	25
3	Propane, 1-ethoxy-2-methyl-	102	C6H14O	000627-02-1	9
4	Propanamide, N-ethyl-	101	C5H11NO	005129-72-6	9
5	Morpholine, 4-methyl-	101	C5H11NO	000109-02-4	9





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF121919\
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Acq On : 19 Dec 2019 22:12
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Sample : K6325-04
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : RT-3425

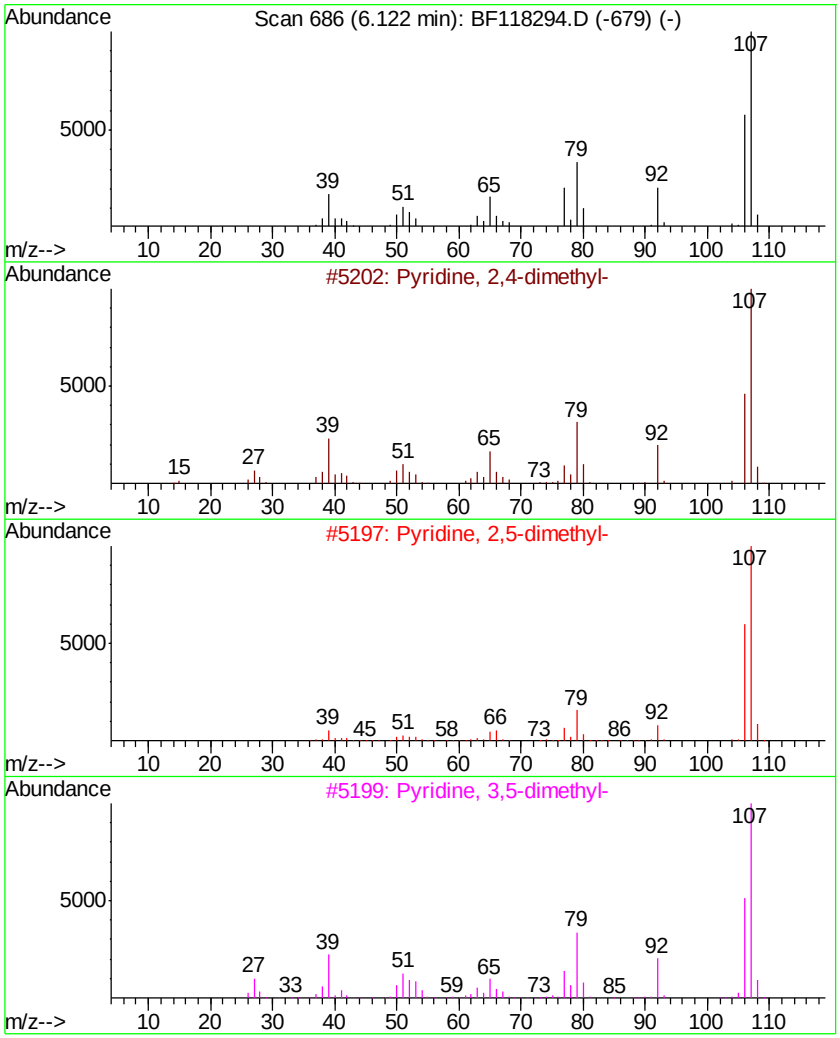
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF120619.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

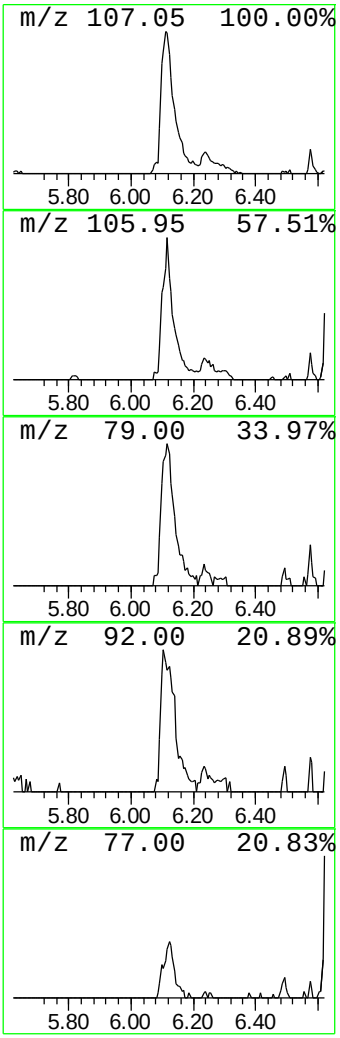
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 2 Pyridine, 2,4-dimethyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.12	7.36 ng	218968	1,4-Dichlorobenzene-d4	6.86

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyridine, 2,4-dimethyl-	107	C7H9N	000108-47-4	97
2	Pyridine, 2,5-dimethyl-	107	C7H9N	000589-93-5	94
3	Pyridine, 3,5-dimethyl-	107	C7H9N	000591-22-0	93
4	Pyridine, 3,4-dimethyl-	107	C7H9N	000583-58-4	91
5	Pyridine, 2,3-dimethyl-	107	C7H9N	000583-61-9	90





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Acq On : 19 Dec 2019 22:12
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Sample : K6325-04
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ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : RT-3425

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF120619.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

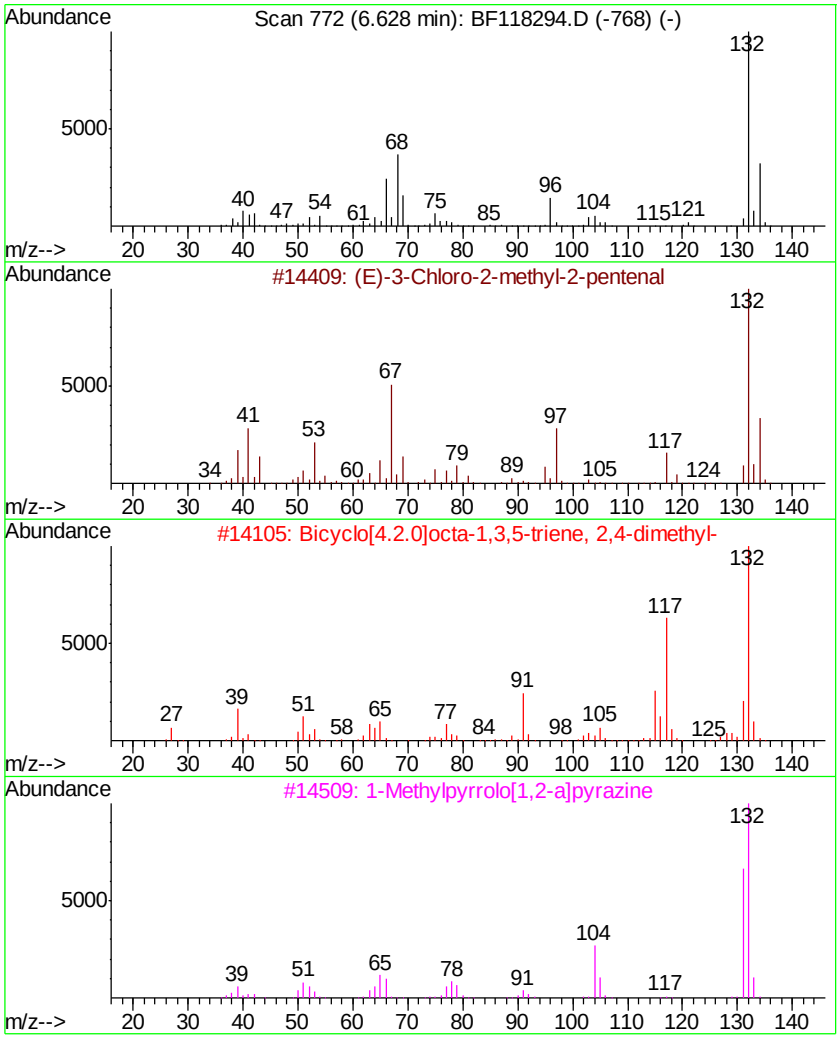
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

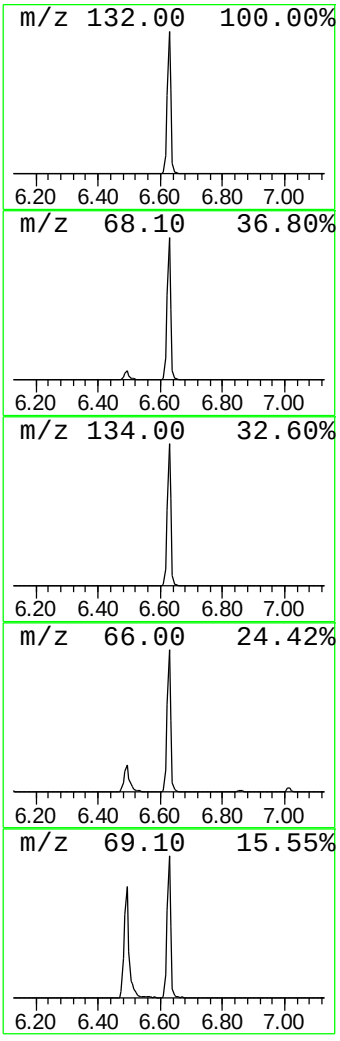
****

Peak Number 3 unknown6.63 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.63	78.61 ng	2338330	1,4-Dichlorobenzene-d4	6.86

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	(E)-3-Chloro-2-methyl-2-pentenal	132	C6H9ClO	031357-76-3	17
2	Bicyclo[4.2.0]octa-1,3,5-triene,...	132	C10H12	028749-81-7	9
3	1-Methylpyrrolo[1,2-a]pyrazine	132	C8H8N2	064608-59-9	9
4	5-Fluoro-2-chloropyrimidine	132	C4H2ClFN2	062802-42-0	9
5	4-Chloro-2-fluoro-pyrimidine	132	C4H2ClFN2	051422-00-5	9





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Instrument : BNA_F
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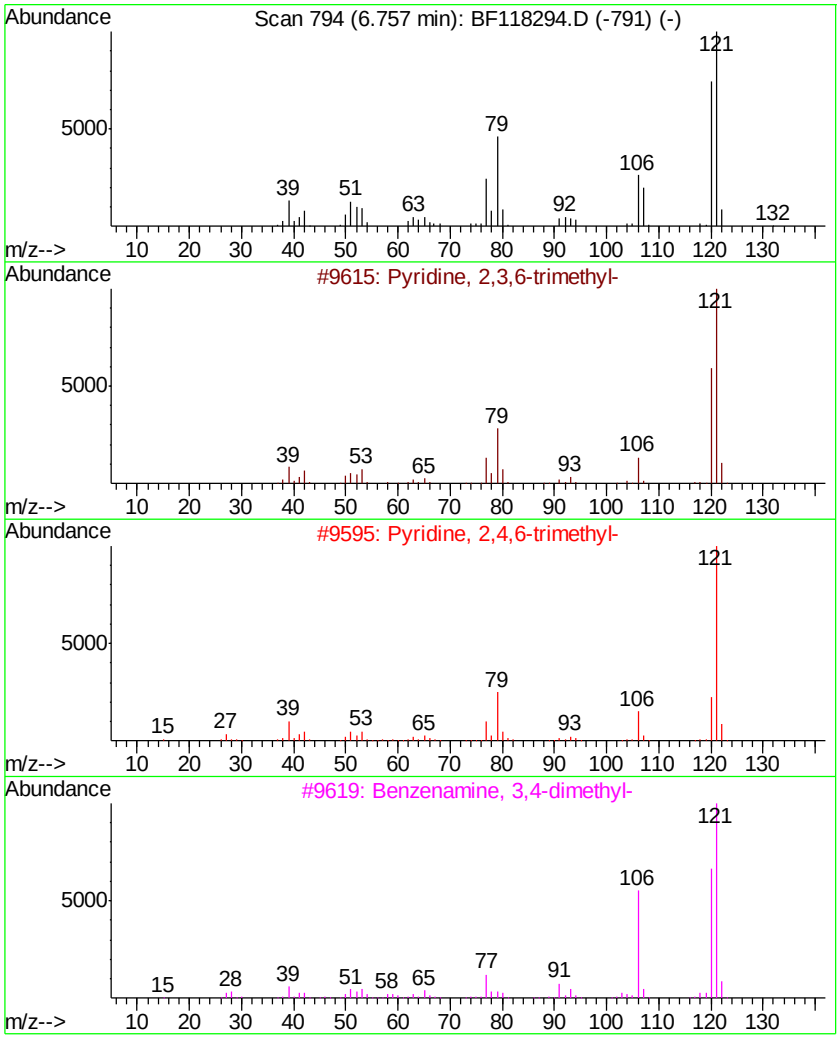
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF120619.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

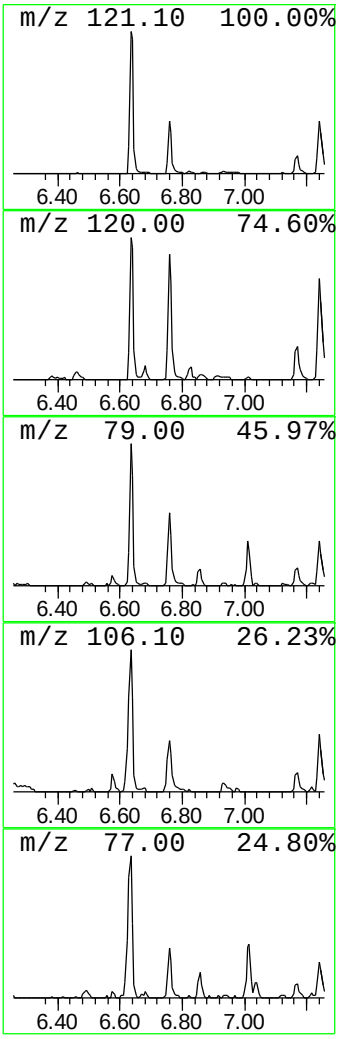
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 4 Pyridine, 2,3,6-trimethyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.76	4.62 ng	137292	1,4-Dichlorobenzene-d4	6.86

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyridine, 2,3,6-trimethyl-	121	C8H11N	001462-84-6	83
2	Pyridine, 2,4,6-trimethyl-	121	C8H11N	000108-75-8	70
3	Benzenamine, 3,4-dimethyl-	121	C8H11N	000095-64-7	64
4	Pyridine, 2,3,5-trimethyl-	121	C8H11N	000695-98-7	60
5	1,2-Dimethyl-5-vinylpyrrole	121	C8H11N	075275-61-5	59





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF121919\
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Acq On : 19 Dec 2019 22:12
Operator : JU
Sample : K6325-04
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : RT-3425

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF120619.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

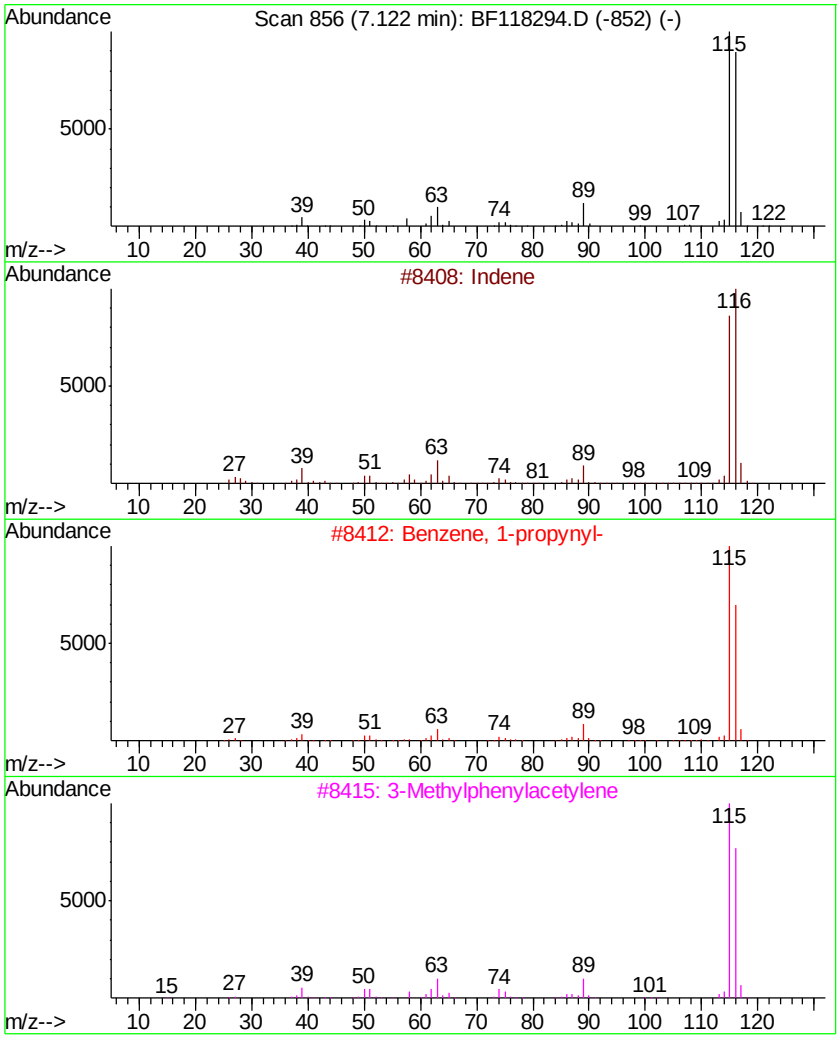
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

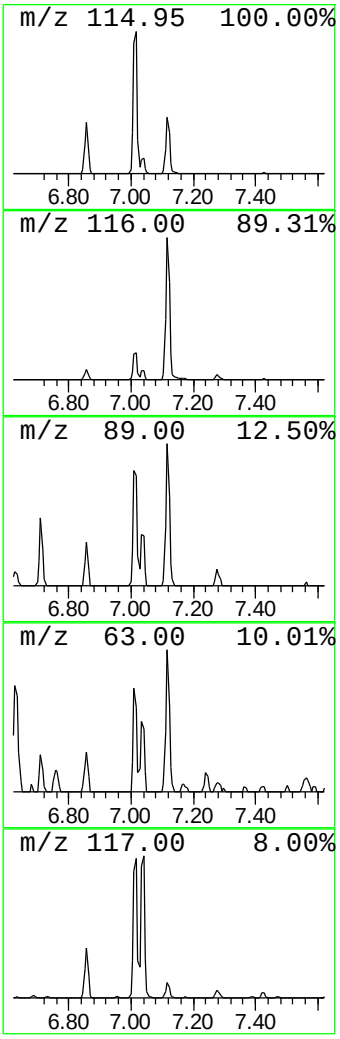
****

Peak Number 7 Benzene, 1-propynyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.12	7.72 ng	229532	1,4-Dichlorobenzene-d4	6.86

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Indene	116	C9H8	000095-13-6	97
2	Benzene, 1-propynyl-	116	C9H8	000673-32-5	95
3	3-Methylphenylacetylene	116	C9H8	000766-82-5	94
4	Benzene, 1-ethynyl-4-methyl-	116	C9H8	000766-97-2	91
5	2-Methylphenylacetylene	116	C9H8	000766-47-2	91





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF121919\
Data File : BF118294.D
Acq On : 19 Dec 2019 22:12
Operator : JU
Sample : K6325-04
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : RT-3425

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF120619.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

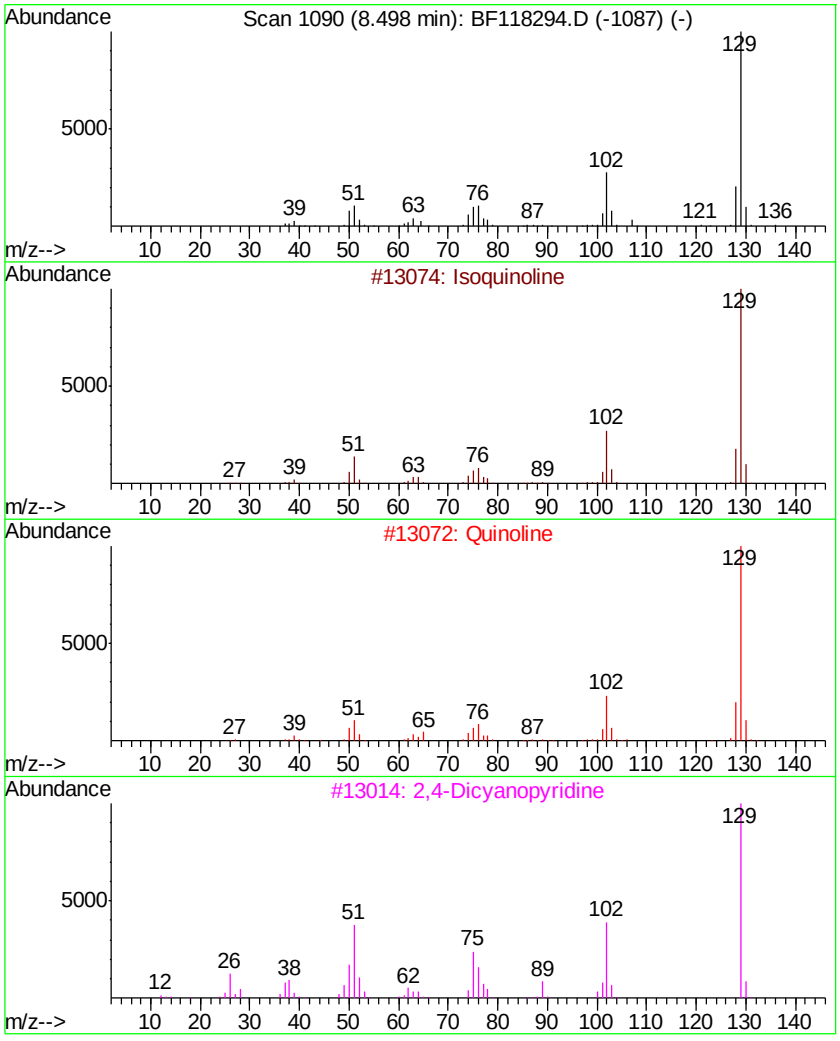
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

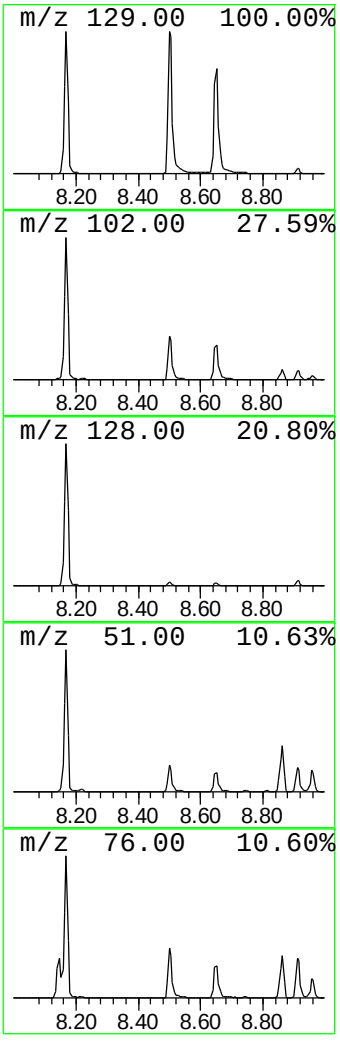
****

Peak Number 8 Isoquinoline Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.50	14.24 ng	533761	Naphthalene-d8	8.15

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Isoquinoline	129	C9H7N	000119-65-3	97
2	Quinoline	129	C9H7N	000091-22-5	97
3	2,4-Dicyanopyridine	129	C7H3N3	029181-50-8	87
4	2-Propenenitrile, 3-phenyl-, (E)-	129	C9H7N	001885-38-7	86
5	Benzeneacetonitrile, .alpha.-met...	129	C9H7N	000495-10-3	83





Library Search Compound Report

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Acq On : 19 Dec 2019 22:12
Operator : JU
Sample : K6325-04
Misc :
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Instrument : BNA_F
ClientSampleId : RT-3425

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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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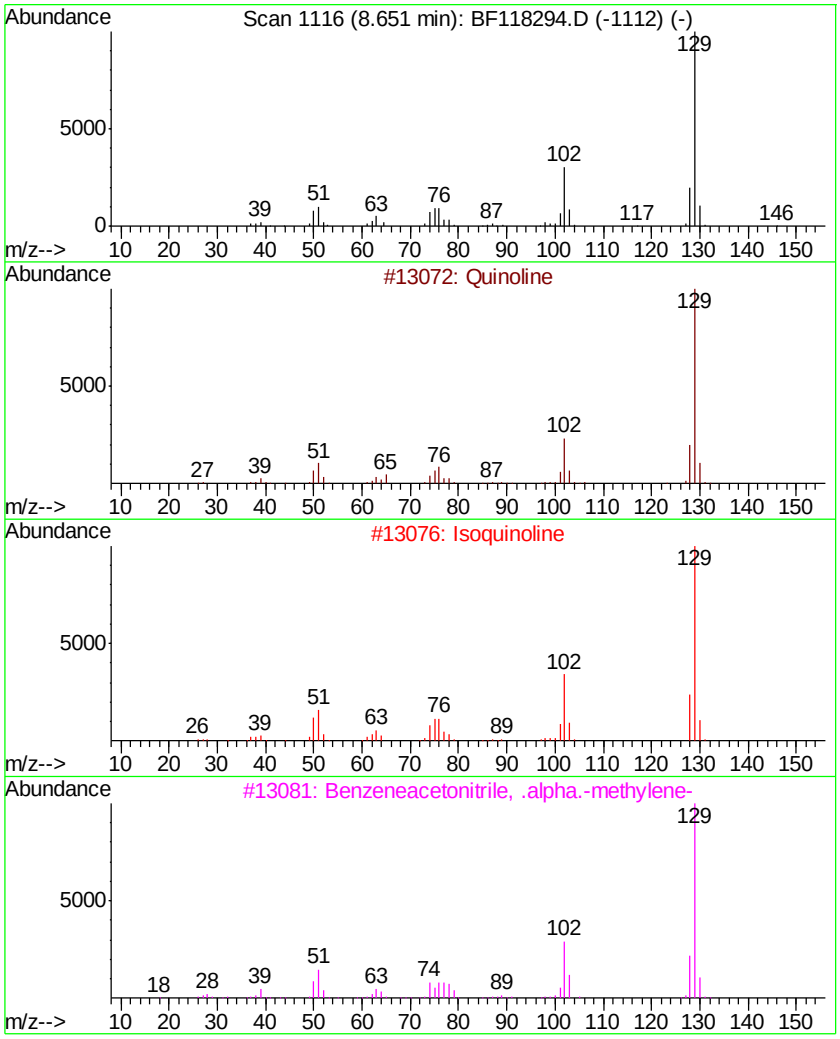
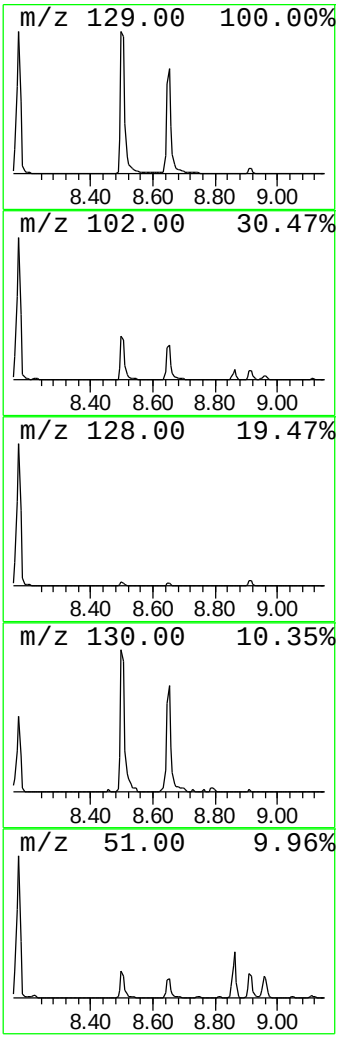
Peak Number 9 Quinoline Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.65	9.65 ng	361483	Naphthalene-d8	8.15

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Quinoline	129	C9H7N	000091-22-5	97
2	Isoquinoline	129	C9H7N	000119-65-3	95
3	Benzeneacetonitrile, .alpha.-met...	129	C9H7N	000495-10-3	91
4	2-Propenenitrile, 3-phenyl-, (E)-	129	C9H7N	001885-38-7	90
5	Quinoline-8-carboxylic acid	173	C10H7NO2	000086-59-9	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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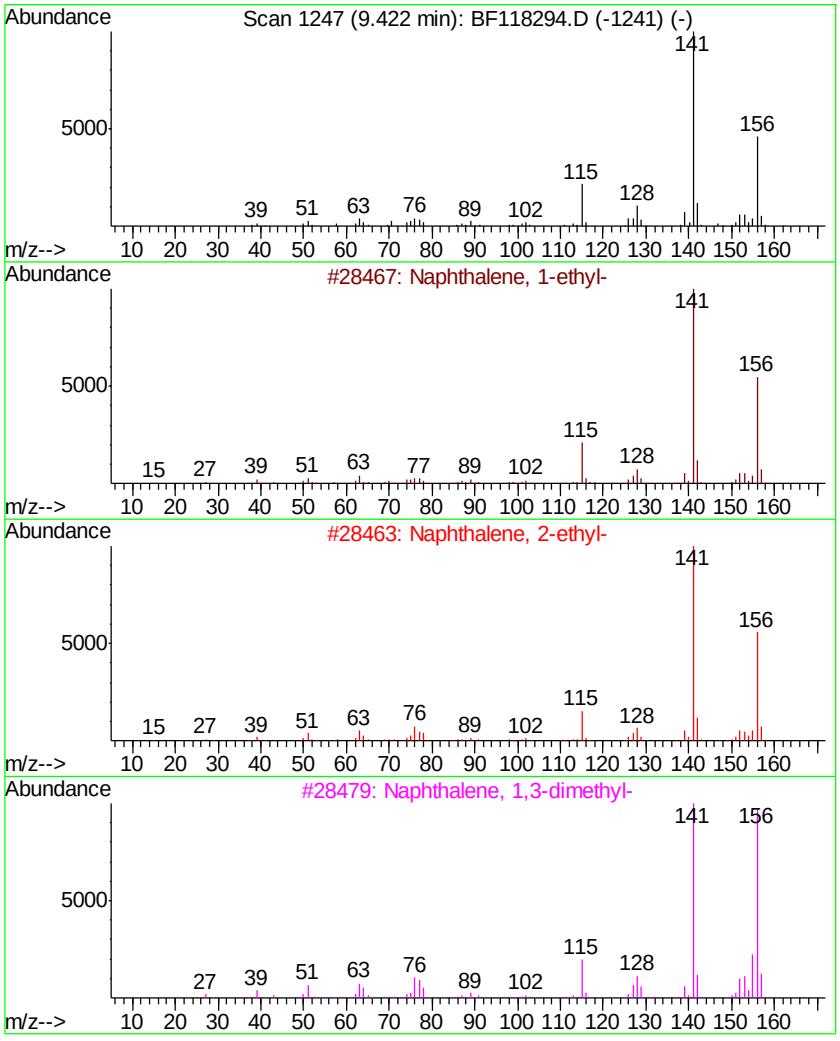
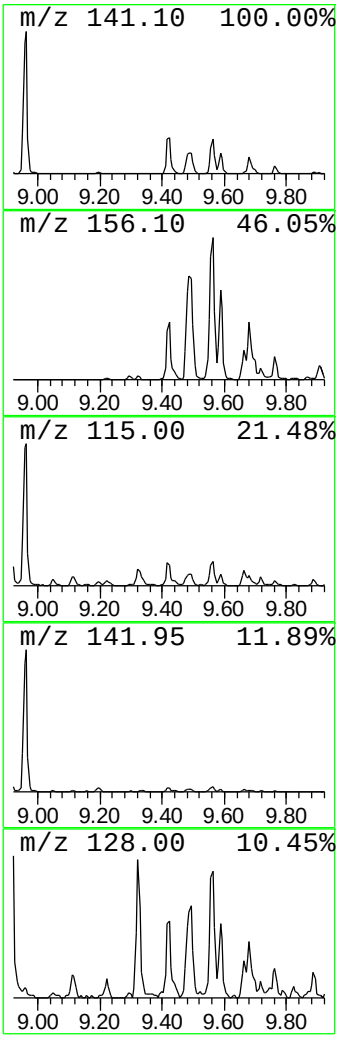
Peak Number 10 Naphthalene, 1-ethyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.42	6.95 ng	402685	Acenaphthene-d10	9.90

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1-ethyl-	156	C12H12	001127-76-0	96
2	Naphthalene, 2-ethyl-	156	C12H12	000939-27-5	95
3	Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	90
4	2-Thiophenecarboxylic acid, 5-et...	156	C7H8O2S	023229-72-3	64
5	5-Acetyl-2-amino-4-methylthiazole	156	C6H8N2OS	030748-47-1	53





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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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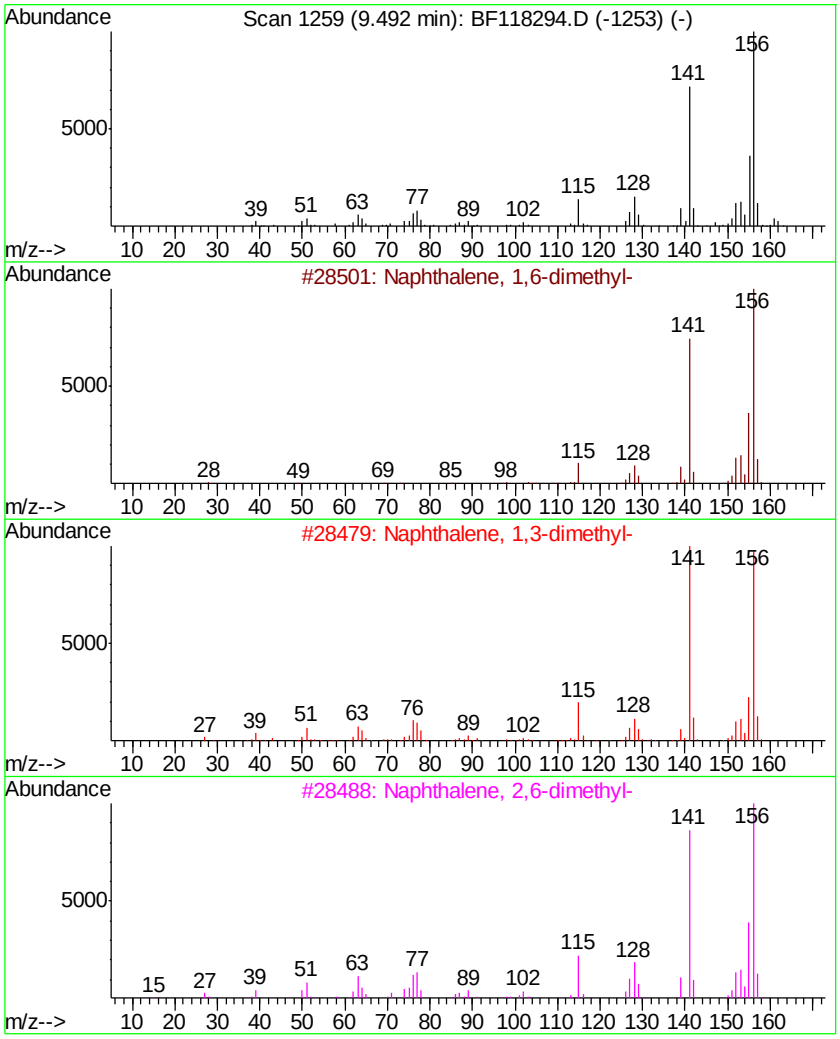
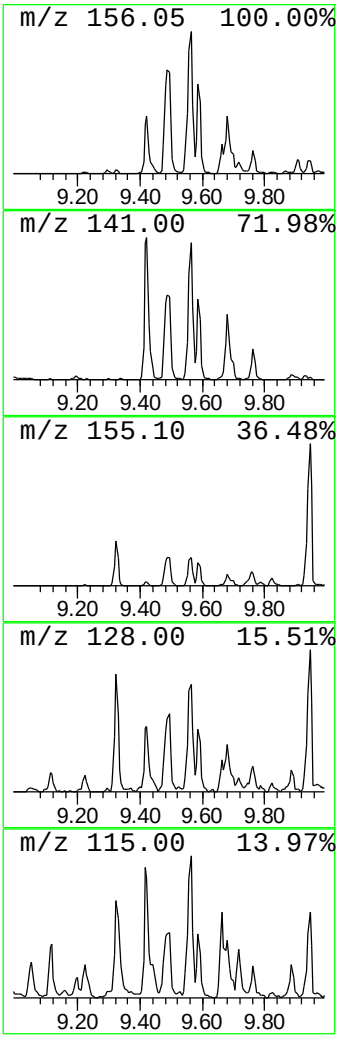
Peak Number 11 Naphthalene, 1,6-dimethyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.49	9.07 ng	525077	Acenaphthene-d10	9.90

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	96
2	Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	96
3	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	96
4	Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	96
5	Naphthalene, 1,4-dimethyl-	156	C12H12	000571-58-4	96





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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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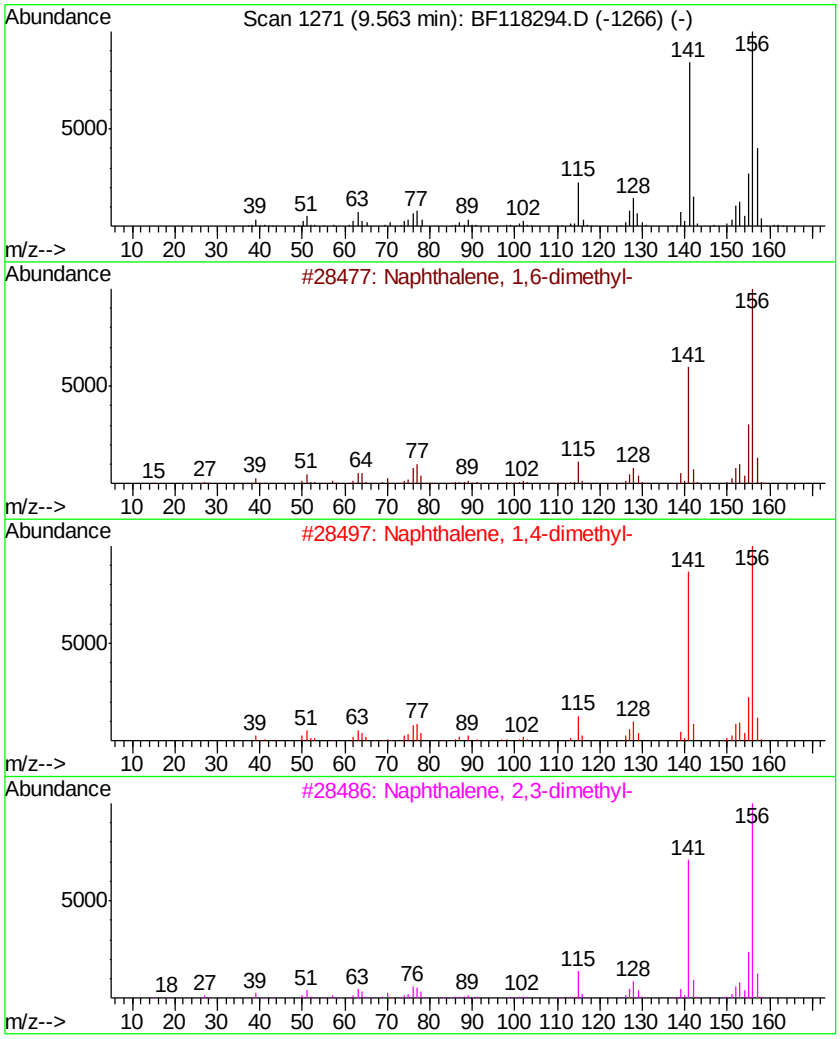
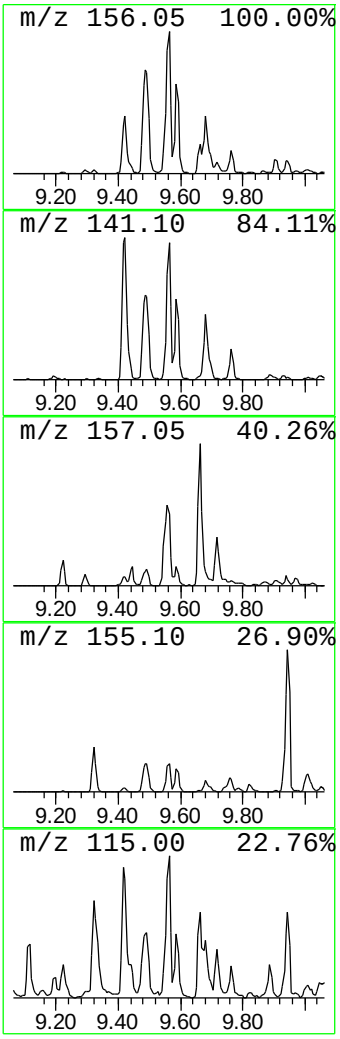
Peak Number 12 Naphthalene, 1,4-dimethyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.56	11.70 ng	677413	Acenaphthene-d10	9.90

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	95
2	Naphthalene, 1,4-dimethyl-	156	C12H12	000571-58-4	95
3	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	95
4	Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	95
5	Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	95





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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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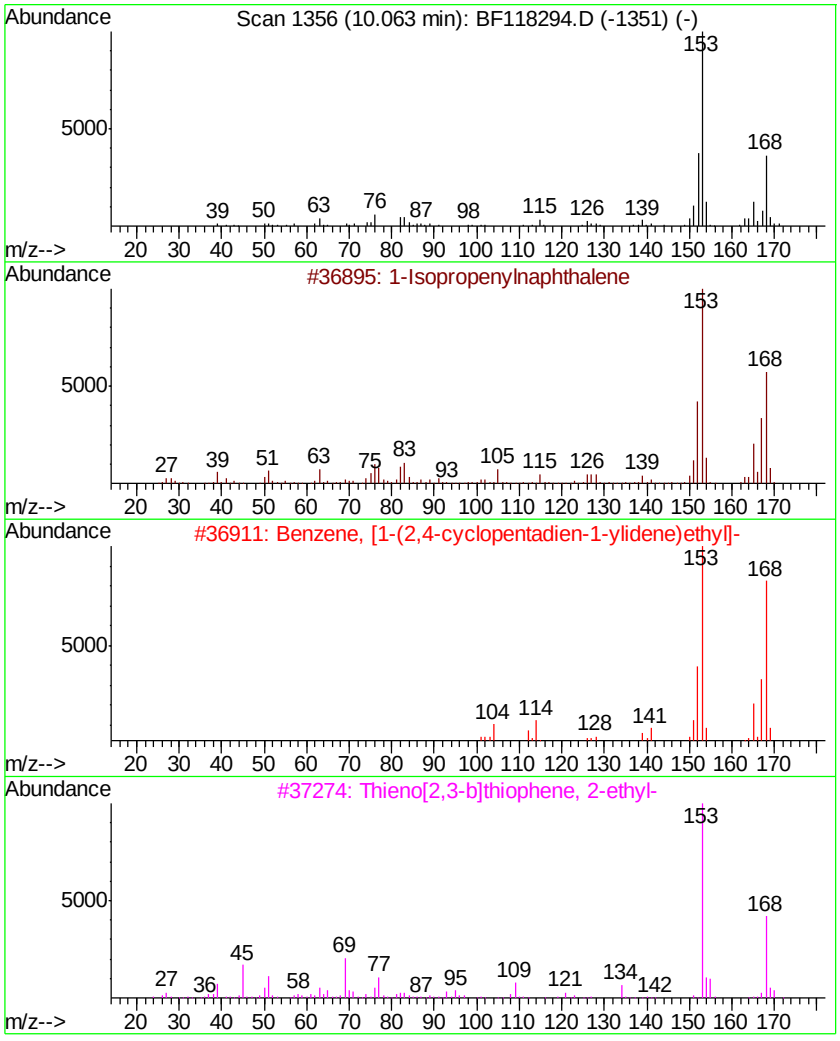
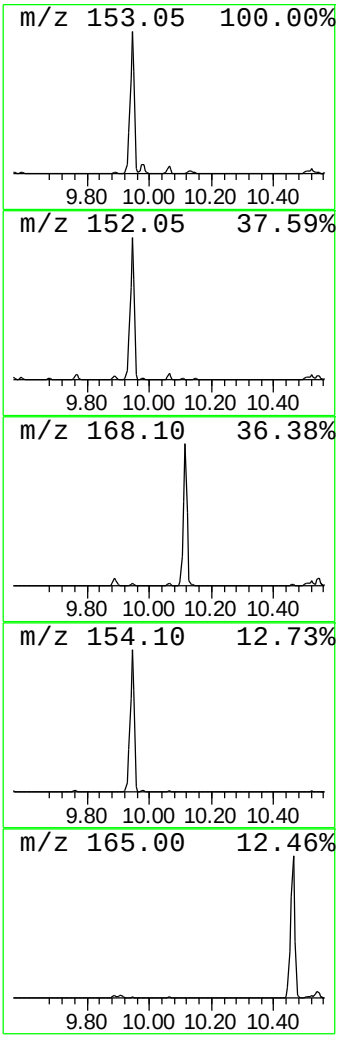
Peak Number 13 1-Isopropenylnaphthalene Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.06	4.43 ng	256681	Acenaphthene-d10	9.90

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Isopropenylnaphthalene	168	C13H12	001855-47-6	87
2	Benzene, [1-(2,4-cyclopentadien-...	168	C13H12	002320-32-3	72
3	Thieno[2,3-b]thiophene, 2-ethyl-	168	C8H8S2	005912-01-6	53
4	Benzene, 2-chloro-1-methyl-4-(1-...	168	C10H13Cl	004395-79-3	53
5	Ethanone, 1-(2,4,6-trihydroxyphe...	168	C8H8O4	000480-66-0	52





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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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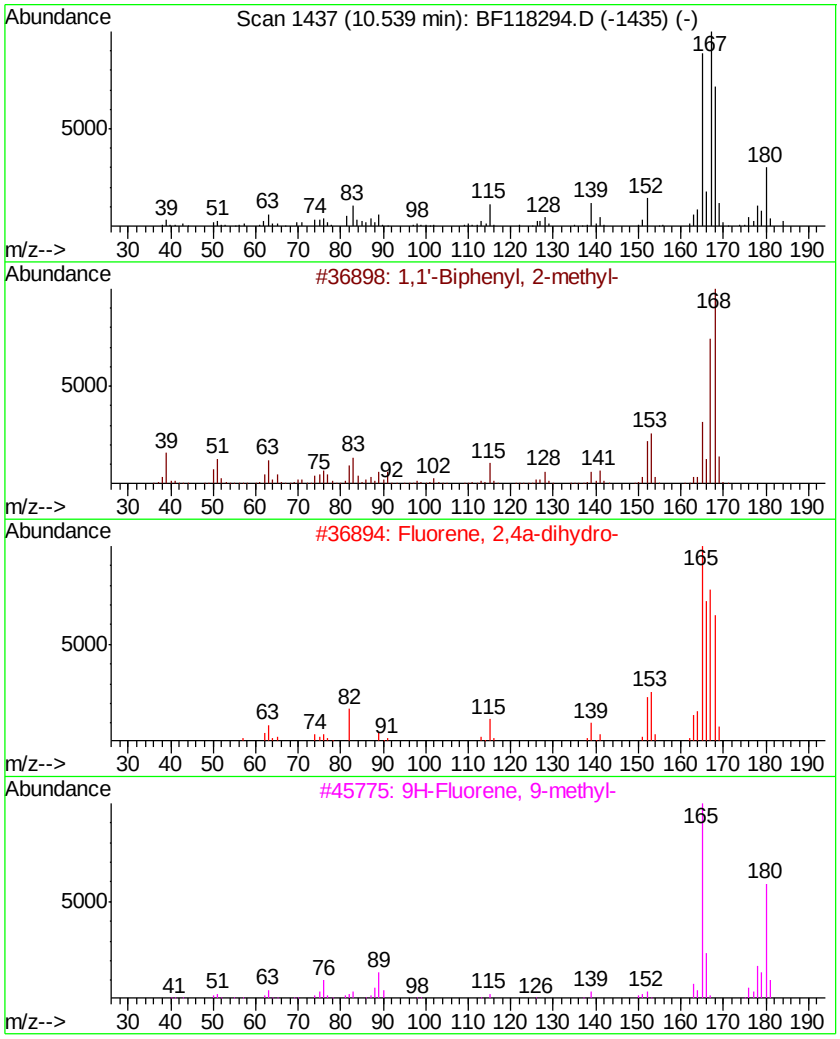
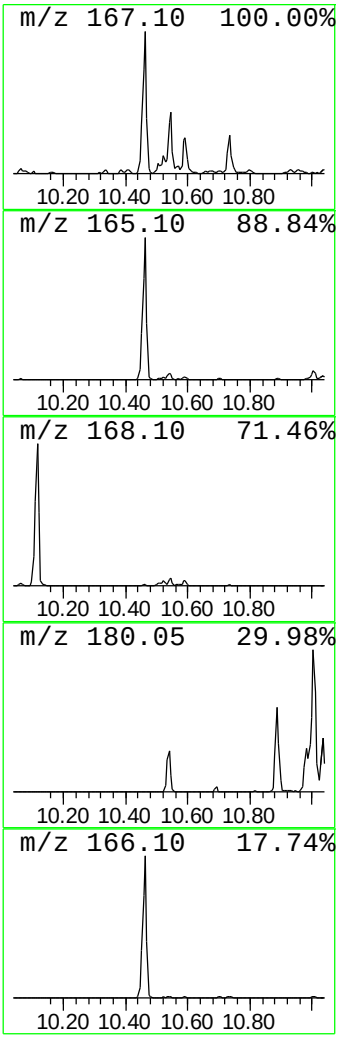
Peak Number 14 1,1'-Biphenyl, 2-methyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.54	7.93 ng	459240	Acenaphthene-d10	9.90

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl, 2-methyl-	168	C13H12	000643-58-3	80
2	Fluorene, 2,4a-dihydro-	168	C13H12	059247-36-8	50
3	9H-Fluorene, 9-methyl-	180	C14H12	002523-37-7	46
4	Diphenylmethane	168	C13H12	000101-81-5	46
5	Fluorene, 1,4-dihydro-	168	C13H12	041593-21-9	43





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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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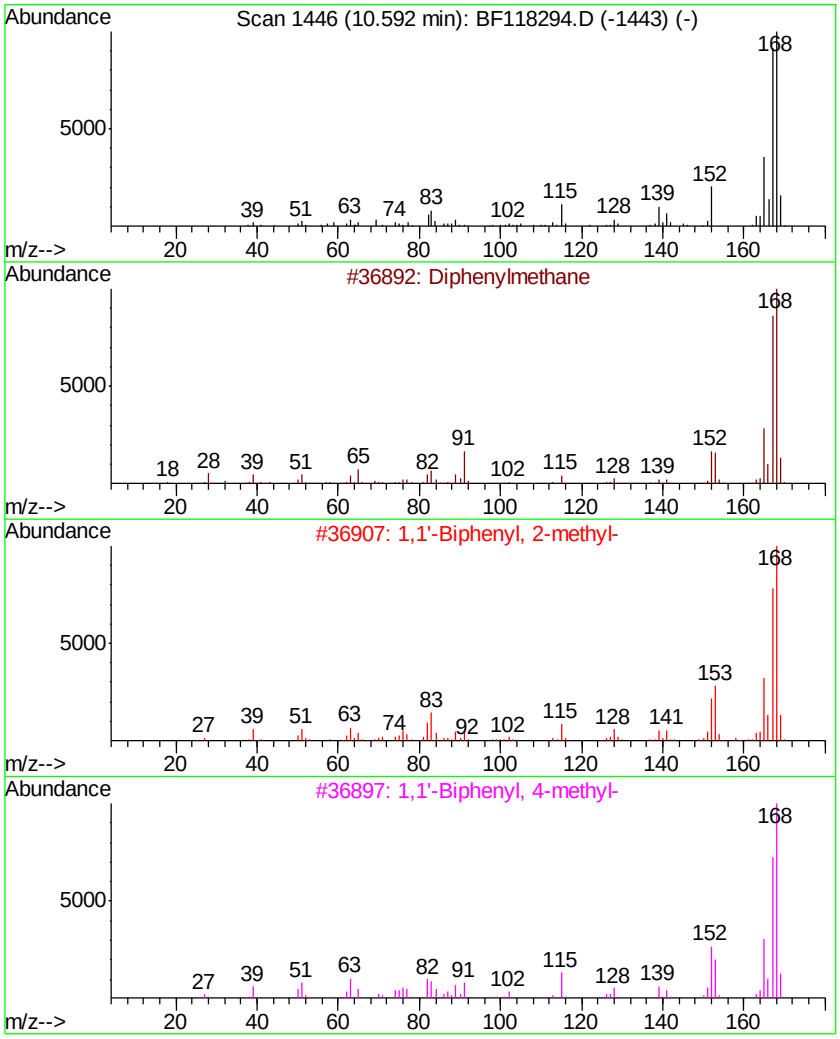
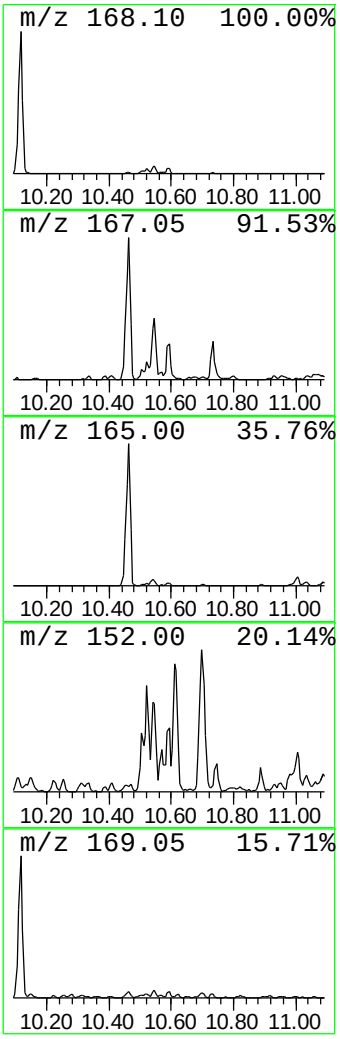
Peak Number 15 Diphenylmethane Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.59	4.31 ng	249813	Acenaphthene-d10	9.90

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Diphenylmethane	168	C13H12	000101-81-5	83
2	1,1'-Biphenyl, 2-methyl-	168	C13H12	000643-58-3	74
3	1,1'-Biphenyl, 4-methyl-	168	C13H12	000644-08-6	72
4	Naphthalene, 1-(2-propenyl)-	168	C13H12	002489-86-3	64
5	1,1'-Biphenyl, 3-methyl-	168	C13H12	000643-93-6	62





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

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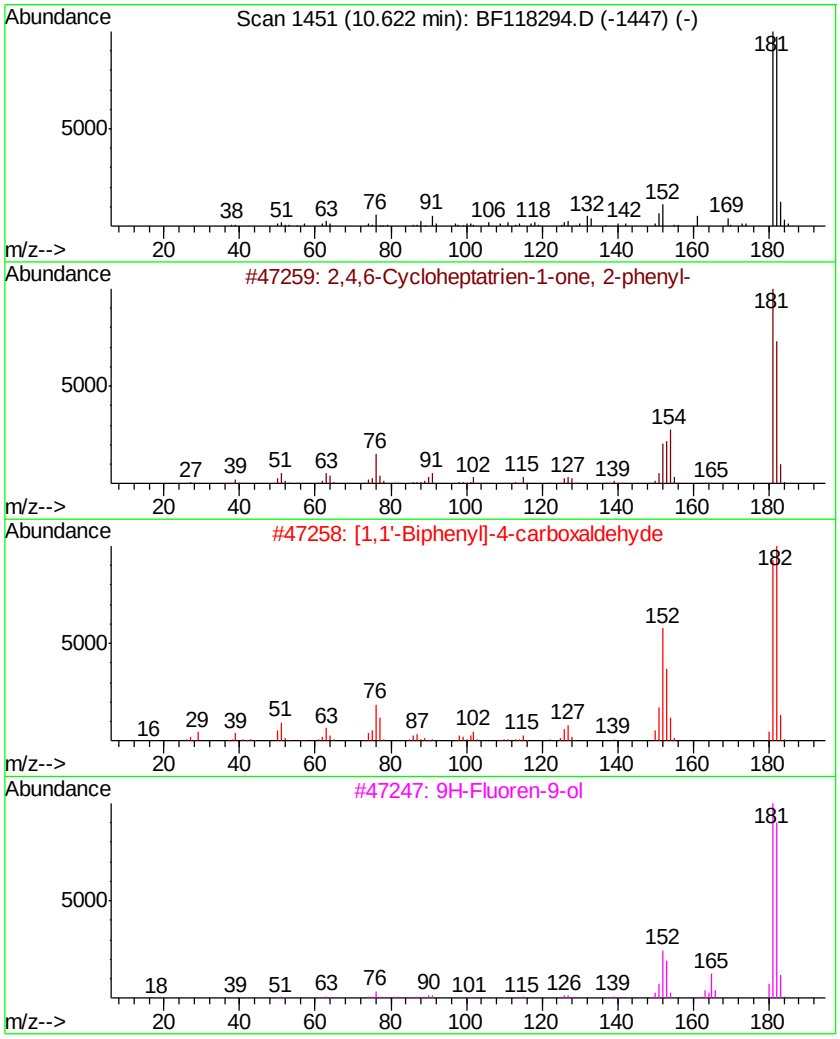
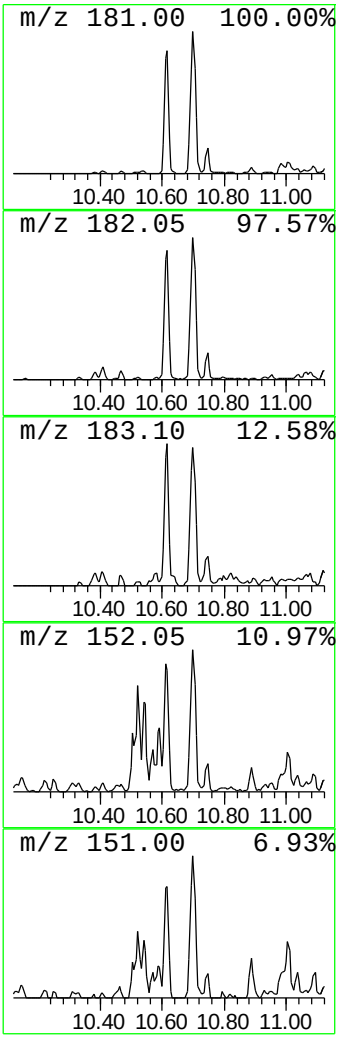
Peak Number 16 2,4,6-Cycloheptatrien-1-one... Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.62	8.06 ng	466684	Acenaphthene-d10	9.90

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2,4,6-Cycloheptatrien-1-one, 2-p...	182	C13H10O	014562-09-5	83
2	[1,1'-Biphenyl]-4-carboxaldehyde	182	C13H10O	003218-36-8	83
3	9H-Fluoren-9-ol	182	C13H10O	001689-64-1	78
4	Norharmane, N-methyl-	182	C12H10N2	1000374-78-6	64
5	Dibenzofuran, 4-methyl-	182	C13H10O	007320-53-8	58





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

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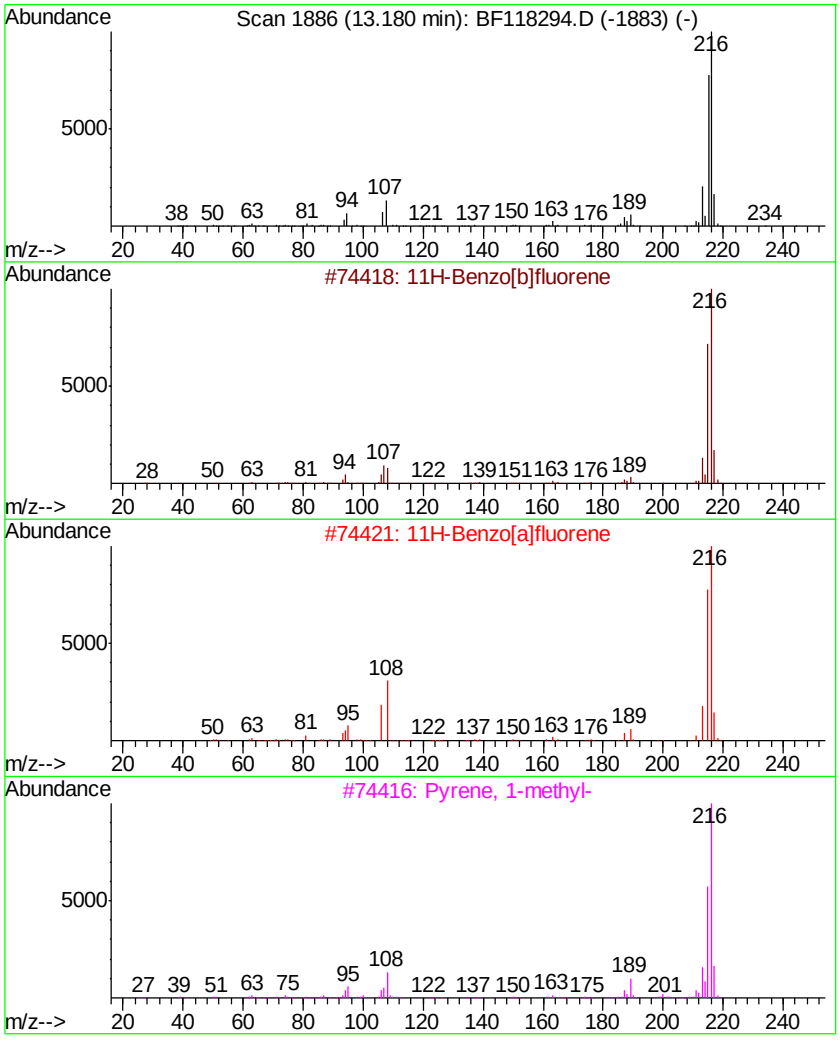
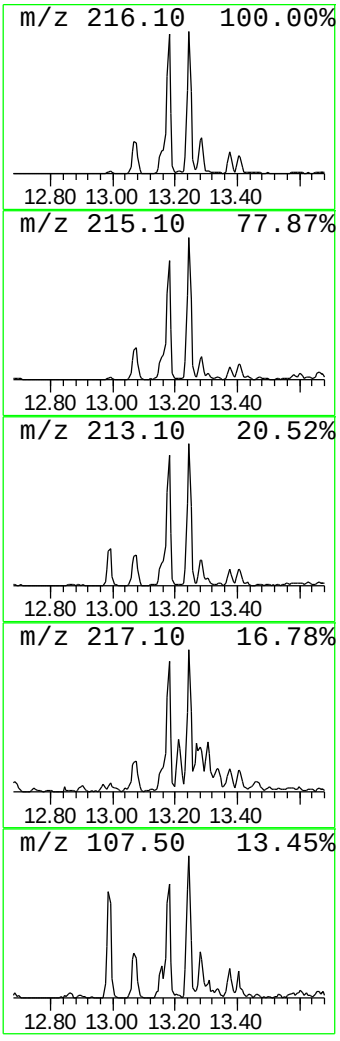
Peak Number 17 11H-Benzo[b]fluorene Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.18	5.44 ng	651966	Chrysene-d12	14.05

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	95
2	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	90
3	Pyrene, 1-methyl-	216	C17H12	002381-21-7	87
4	7H-Benzo[c]fluorene	216	C17H12	000205-12-9	83
5	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	83





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

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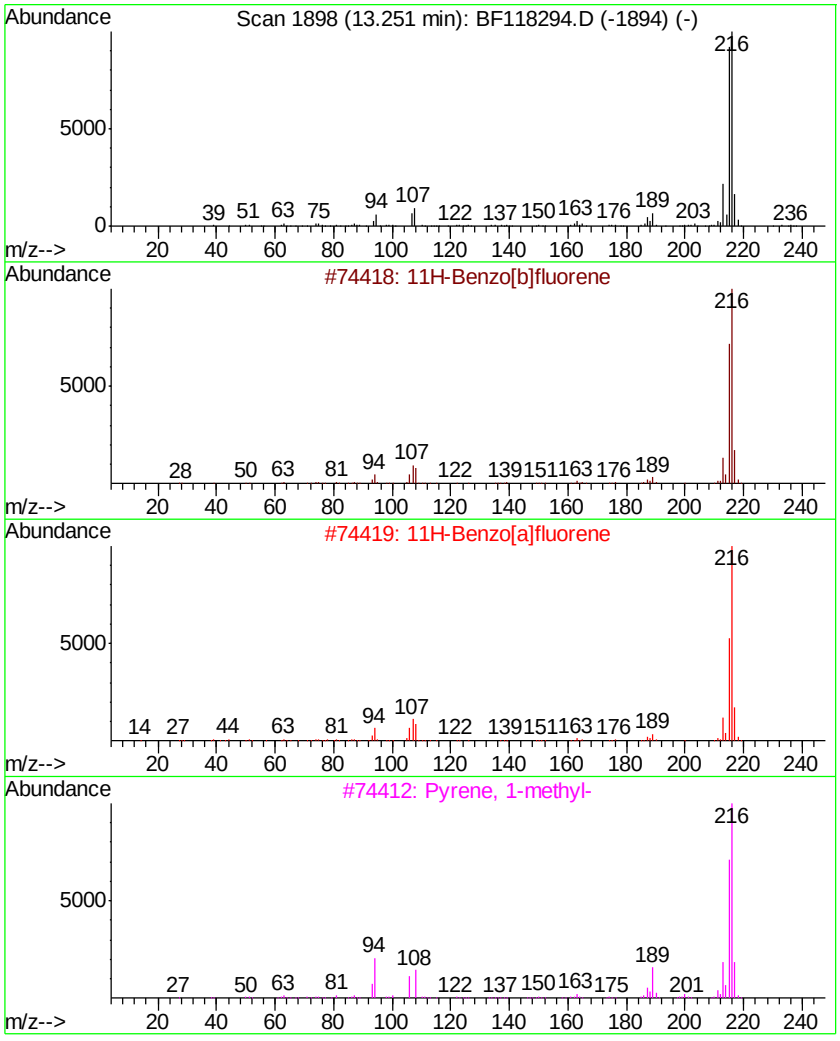
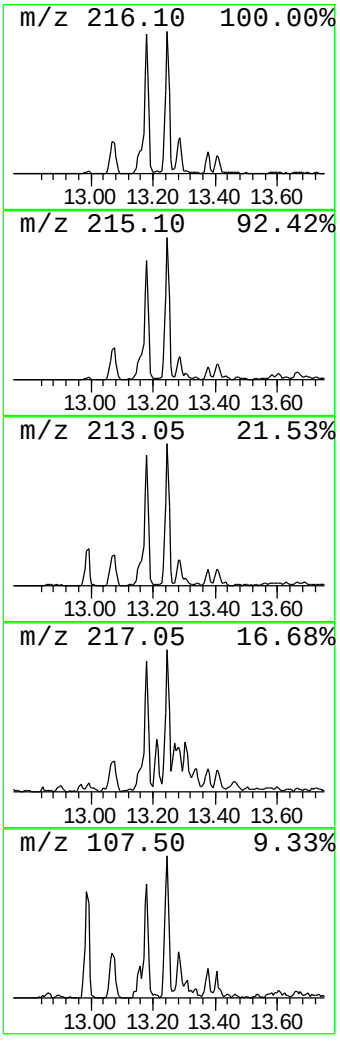
Peak Number 18 11H-Benzo[a]fluorene Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.25	5.85 ng	701566	Chrysene-d12	14.05

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	94
2	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	92
3	Pyrene, 1-methyl-	216	C17H12	002381-21-7	74
4	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	70
5	Pyrene, 2-methyl-	216	C17H12	003442-78-2	62





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

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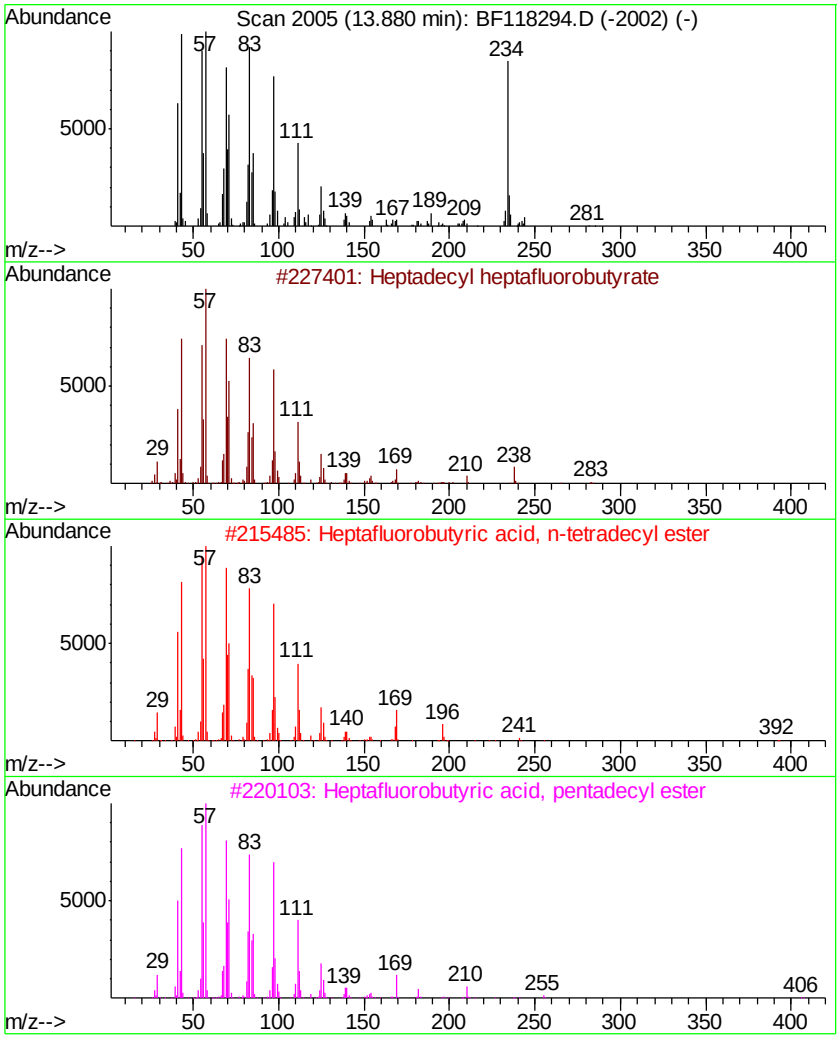
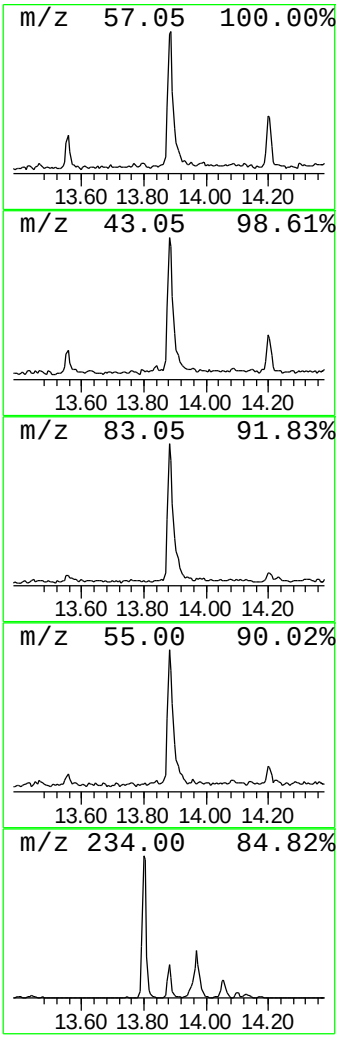
Peak Number 19 Heptadecyl heptafluorobutyrate Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.88	4.01 ng	480182	Chrysene-d12	14.05

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptadecyl heptafluorobutyrate	452	C21H35F7O2	959085-66-6	90
2	Heptafluorobutyric acid, n-tetra...	410	C18H29F7O2	007365-36-8	90
3	Heptafluorobutyric acid, pentade...	424	C19H31F7O2	959261-23-5	90
4	Pentafluoropropionic acid, penta...	374	C18H31F5O2	959092-08-1	90
5	1-Heptacosanol	396	C27H56O	002004-39-9	81





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Sample : K6325-04
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : RT-3425

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF120619.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

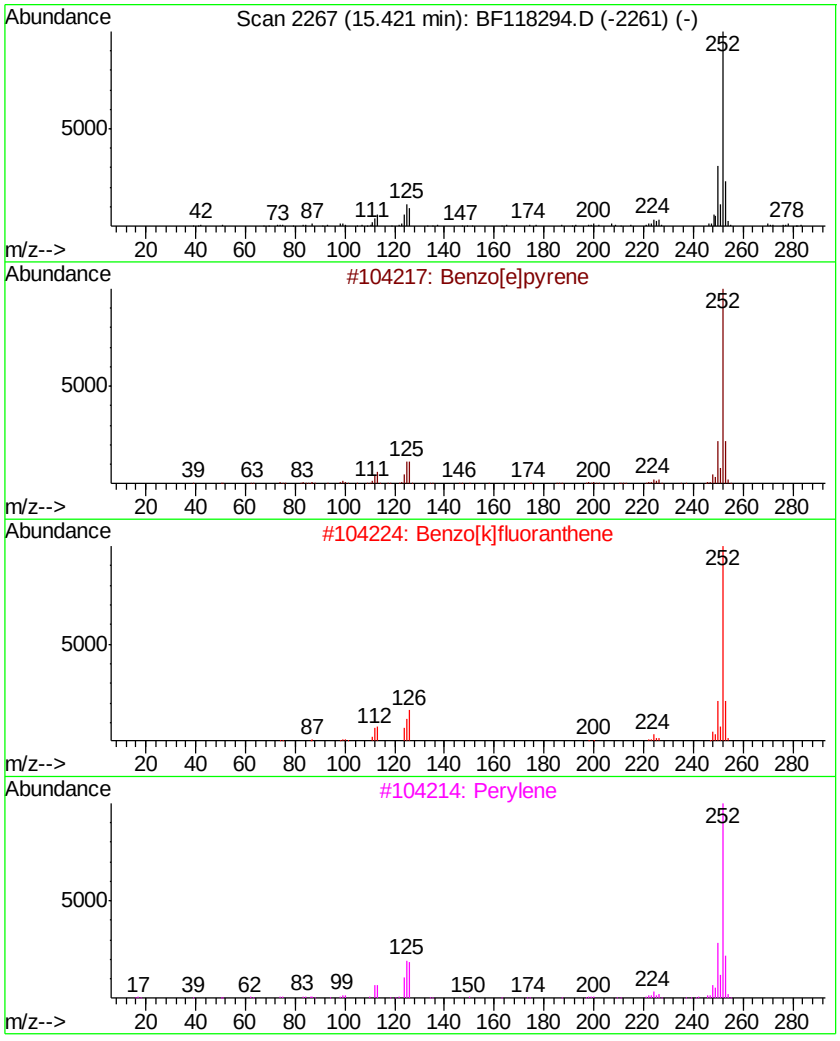
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

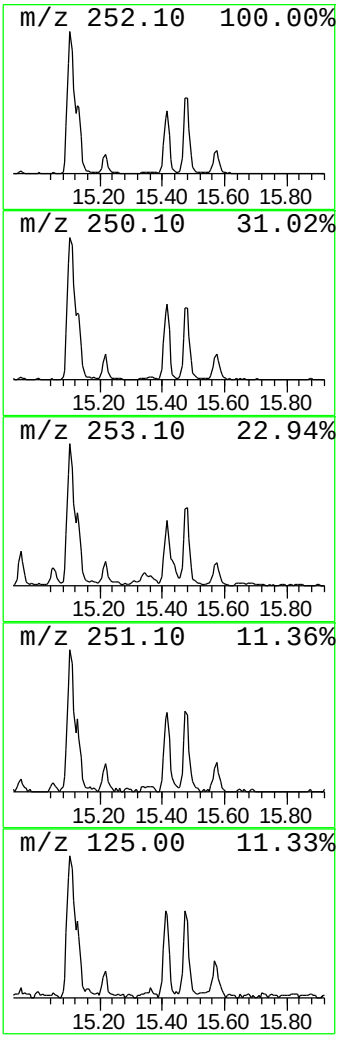
****

Peak Number 20 Benzo[e]pyrene Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.42	6.75 ng	290997	Perylene-d12	15.54

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	98
2	Benzo[k]fluoranthene	252	C20H12	000207-08-9	98
3	Perylene	252	C20H12	000198-55-0	95
4	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	93
5	Benzo[j]fluoranthene	252	C20H12	000205-82-3	93





Tentatively Identified Compound (LSC) summary

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF121919\
Data File : BF118294.D
Acq On : 19 Dec 2019 22:12
Operator : JU
Sample : K6325-04
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : RT-3425

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF120619.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
2-Pentanone, 4-hy...	5.06	16.4	ng	486247	1	6.86	594909	20.0
Pyridine, 2,4-dim...	6.12	7.4	ng	218968	1	6.86	594909	20.0
unknown6.63	6.63	78.6	ng	2338330	1	6.86	594909	20.0
Pyridine, 2,3,6-t...	6.76	4.6	ng	137292	1	6.86	594909	20.0
Benzene, 1-propynyl-	7.12	7.7	ng	229532	1	6.86	594909	20.0
Isoquinoline	8.50	14.2	ng	533761	2	8.15	749536	20.0
Quinoline	8.65	9.7	ng	361483	2	8.15	749536	20.0
Naphthalene, 1-et...	9.42	7.0	ng	402685	3	9.90	1158120	20.0
Naphthalene, 1,6-...	9.49	9.1	ng	525077	3	9.90	1158120	20.0
Naphthalene, 1,4-...	9.56	11.7	ng	677413	3	9.90	1158120	20.0
1-Isopropenylnaph...	10.06	4.4	ng	256681	3	9.90	1158120	20.0
1,1'-Biphenyl, 2-...	10.54	7.9	ng	459240	3	9.90	1158120	20.0
Diphenylmethane	10.59	4.3	ng	249813	3	9.90	1158120	20.0
2,4,6-Cycloheptat...	10.62	8.1	ng	466684	3	9.90	1158120	20.0
11H-Benzo[b]fluorene	13.18	5.4	ng	651966	5	14.05	2396520	20.0
11H-Benzo[a]fluorene	13.25	5.8	ng	701566	5	14.05	2396520	20.0
Heptadecyl heptaf...	13.88	4.0	ng	480182	5	14.05	2396520	20.0
Benzo[e]pyrene	15.42	6.8	ng	290997	6	15.54	862247	20.0