LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF071618\
Data File : BF107423.D
Acq On : 17 Jul 2018 00:44
Operator : JU/SJ
Sample : J3831-01 5X
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SU-04-071218

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-BF071618.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	5.201	481	487	490	rBV	105992	100770	4.53%	0.319%
2	5.595	547	554	558	rBV	1012831	855587	38.48%	2.712%
3	6.595	720	724	728	rBV	1088828	868117	39.04%	2.751%
4	6.748	746	750	753	rBV	1123377	904452	40.68%	2.867%
5	6.807	756	760	764	rVB3	17042	25893	1.16%	0.082%
6	6.984	786	790	793	rVB	1008141	903350	40.63%	2.863%
7	7.136	812	816	819	rBV	865833	672101	30.23%	2.130%
8	7.536	880	884	888	rBV	535023	486293	21.87%	1.541%
9	8.266	1004	1008	1010	rBV	1283968	1059049	47.63%	3.357%
10	8.283	1010	1011	1014	rVB	260545	189124	8.51%	0.599%
11	8.707	1079	1083	1084	rBV3	19025	23496	1.06%	0.074%
12	8.978	1126	1129	1132	rBV	238677	175668	7.90%	0.557%
13	9.078	1141	1146	1149	rBV	219188	187876	8.45%	0.595%
14	9.336	1186	1190	1194	rBV	1202265	929190	41.79%	2.945%
15	9.442	1205	1208	1211	rBV	56398	53738	2.42%	0.170%
16	9.536	1222	1224	1228	rVB5	35071	29366	1.32%	0.093%
17	9.601	1231	1235	1241	rBV3	107668	147699	6.64%	0.468%
18	9.678	1244	1248	1251	rBV2	169538	172134	7.74%	0.546%
19	9.707	1251	1253	1255	rVV	93580	68086	3.06%	0.216%
20	9.730	1255	1257	1264	rVB	187994	161684	7.27%	0.512%
21	9.795	1264	1268	1270	rBV2	78304	81652	3.67%	0.259%
22	9.883	1278	1283	1286	rBV3	91767	86960	3.91%	0.276%
23	10.001	1301	1303	1304	rBV2	49474	40254	1.81%	0.128%
24	10.025	1304	1307	1310	rVV2	1291780	1084143	48.76%	3.436%
25	10.060	1310	1313	1316	rVB	270237	236753	10.65%	0.750%
26	10.125	1321	1324	1328	rVV3	32140	46157	2.08%	0.146%
27	10.183	1328	1334	1336	rVV6	25185	52286	2.35%	0.166%
28	10.230	1338	1342	1345	rVV2	236841	229983	10.34%	0.729%
29	10.266	1345	1348	1352	rVB	77403	70371	3.16%	0.223%
30	10.342	1357	1361	1363	rBV3	61728	67753	3.05%	0.215%
31	10.366	1363	1365	1367	rVB3	45900	35912	1.62%	0.114%
32	10.430	1371	1376	1378	rBV5	48095	71906	3.23%	0.228%
33	10.572	1397	1400	1405	rVB	438096	388277	17.46%	1.231%
34	10.619	1405	1408	1410	rVV4	29012	34222	1.54%	0.108%

LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF071618\
Data File : BF107423.D
Acq On : 17 Jul 2018 00:44
Operator : JU/SJ
Sample : J3831-01 5X
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SU-04-071218

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-BF071618.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	10.660	1413	1415	1417	rVV3	69272	56987	2.56%	0.181%
36	10.683	1417	1419	1422	rVV4	31295	42593	1.92%	0.135%
37	10.730	1424	1427	1431	rVB2	86448	89417	4.02%	0.283%
38	10.813	1436	1441	1445	rBV	727580	637220	28.66%	2.020%
39	10.930	1457	1461	1464	rVB6	48483	58234	2.62%	0.185%
40	11.119	1489	1493	1496	rBV2	85319	93690	4.21%	0.297%
41	11.148	1496	1498	1501	rVB2	51047	41903	1.88%	0.133%
42	11.207	1505	1508	1510	rBV2	54726	42287	1.90%	0.134%
43	11.248	1511	1515	1516	rBV4	30258	35759	1.61%	0.113%
44	11.272	1517	1519	1523	rVV4	37256	42978	1.93%	0.136%
45	11.319	1525	1527	1530	rVB4	39349	40062	1.80%	0.127%
46	11.360	1530	1534	1537	rBV6	62051	82744	3.72%	0.262%
47	11.395	1537	1540	1541	rVV3	28623	31735	1.43%	0.101%
48	11.413	1541	1543	1546	rVB	146416	115133	5.18%	0.365%
49	11.519	1557	1561	1563	rBV	1286232	1143621	51.44%	3.625%
50	11.542	1563	1565	1568	rVV	1728677	1366905	61.48%	4.332%
51	11.595	1570	1574	1576	rVV	506946	436325	19.62%	1.383%
52	11.624	1576	1579	1582	rVV3	48368	54149	2.44%	0.172%
53	11.666	1584	1586	1592	rVB7	33608	49405	2.22%	0.157%
54	11.748	1596	1600	1602	rBV	155034	145127	6.53%	0.460%
55	11.813	1609	1611	1612	rBV2	35643	25995	1.17%	0.082%
56	11.848	1614	1617	1623	rVB4	57854	81870	3.68%	0.259%
57	11.930	1628	1631	1635	rBV6	46344	68022	3.06%	0.216%
58	12.019	1643	1646	1648	rBV	306140	251143	11.30%	0.796%
59	12.048	1648	1651	1655	rVB	389095	326272	14.67%	1.034%
60	12.095	1656	1659	1662	rBV	150089	137392	6.18%	0.435%
61	12.136	1662	1666	1668	rVV2	459347	498552	22.42%	1.580%
62	12.154	1668	1669	1672	rVB	224276	131720	5.92%	0.417%
63	12.195	1674	1676	1679	rBV3	27793	27099	1.22%	0.086%
64	12.242	1682	1684	1687	rVB4	37535	40060	1.80%	0.127%
65	12.277	1687	1690	1692	rBV4	38633	40789	1.83%	0.129%
66	12.313	1693	1696	1699	rVV	186750	178703	8.04%	0.566%
67	12.336	1699	1700	1705	rVB5	65077	69535	3.13%	0.220%
68	12.460	1719	1721	1725	rVB5	65905	61401	2.76%	0.195%
69	12.495	1725	1727	1729	rBV2	86717	64162	2.89%	0.203%
70	12.519	1729	1731	1734	rVB3	72163	54803	2.46%	0.174%
71	12.571	1737	1740	1743	rBV	160318	193347	8.70%	0.613%

LSC Area Percent Report

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Acq On : 17 Jul 2018 00:44
Operator : JU/SJ
Sample : J3831-01 5X
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SU-04-071218

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:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF071618.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

72	12.607	1743	1746	1748	rVV4	123937	126316	5.68%	0.400%
73	12.654	1752	1754	1758	rBV4	85500	111467	5.01%	0.353%
74	12.736	1764	1768	1771	rBV	2103579	1828168	82.22%	5.794%
75	12.771	1772	1774	1776	rVV3	77235	67056	3.02%	0.213%
76	12.795	1776	1778	1781	rVB4	71875	65852	2.96%	0.209%
77	12.889	1792	1794	1797	rBV3	77084	59595	2.68%	0.189%
78	12.948	1800	1804	1805	rBV	451000	437001	19.65%	1.385%
79	12.966	1805	1807	1812	rVV	1755802	1614204	72.60%	5.116%
80	13.013	1813	1815	1819	rVB3	133823	123703	5.56%	0.392%
81	13.101	1824	1830	1833	rBV2	1088330	1058876	47.62%	3.356%
82	13.177	1839	1843	1847	rBV4	204106	303862	13.67%	0.963%
83	13.271	1856	1859	1860	rBV3	87838	104869	4.72%	0.332%
84	13.289	1860	1862	1865	rVB	393557	379853	17.08%	1.204%
85	13.360	1871	1874	1876	rBV	451116	403332	18.14%	1.278%
86	13.395	1878	1880	1884	rVB2	231511	218070	9.81%	0.691%
87	13.489	1894	1896	1899	rBV	167225	143558	6.46%	0.455%
88	13.518	1899	1901	1904	rVV2	148033	141544	6.37%	0.449%
89	13.665	1924	1926	1927	rBV2	90594	59768	2.69%	0.189%
90	13.771	1942	1944	1947	rBV4	89657	111803	5.03%	0.354%
91	13.942	1971	1973	1975	rVB	155272	114569	5.15%	0.363%
92	13.983	1975	1980	1982	rBV4	196154	304043	13.67%	0.964%
93	14.165	2006	2011	2014	rBV2	1535596	2223417	100.00%	7.047%
94	14.189	2014	2015	2020	rVB	847233	735384	33.07%	2.331%
95	14.271	2027	2029	2031	rBV2	251010	171091	7.69%	0.542%
96	15.242	2190	2194	2197	rBV2	491118	775003	34.86%	2.456%
97	15.565	2246	2249	2256	rVB	280344	431935	19.43%	1.369%
98	15.630	2257	2260	2267	rVB	459088	574901	25.86%	1.822%
99	15.701	2268	2272	2275	rBV	578023	739276	33.25%	2.343%
100	15.977	2316	2319	2326	rVB2	490523	725845	32.65%	2.300%

Sum of corrected areas: 31551802

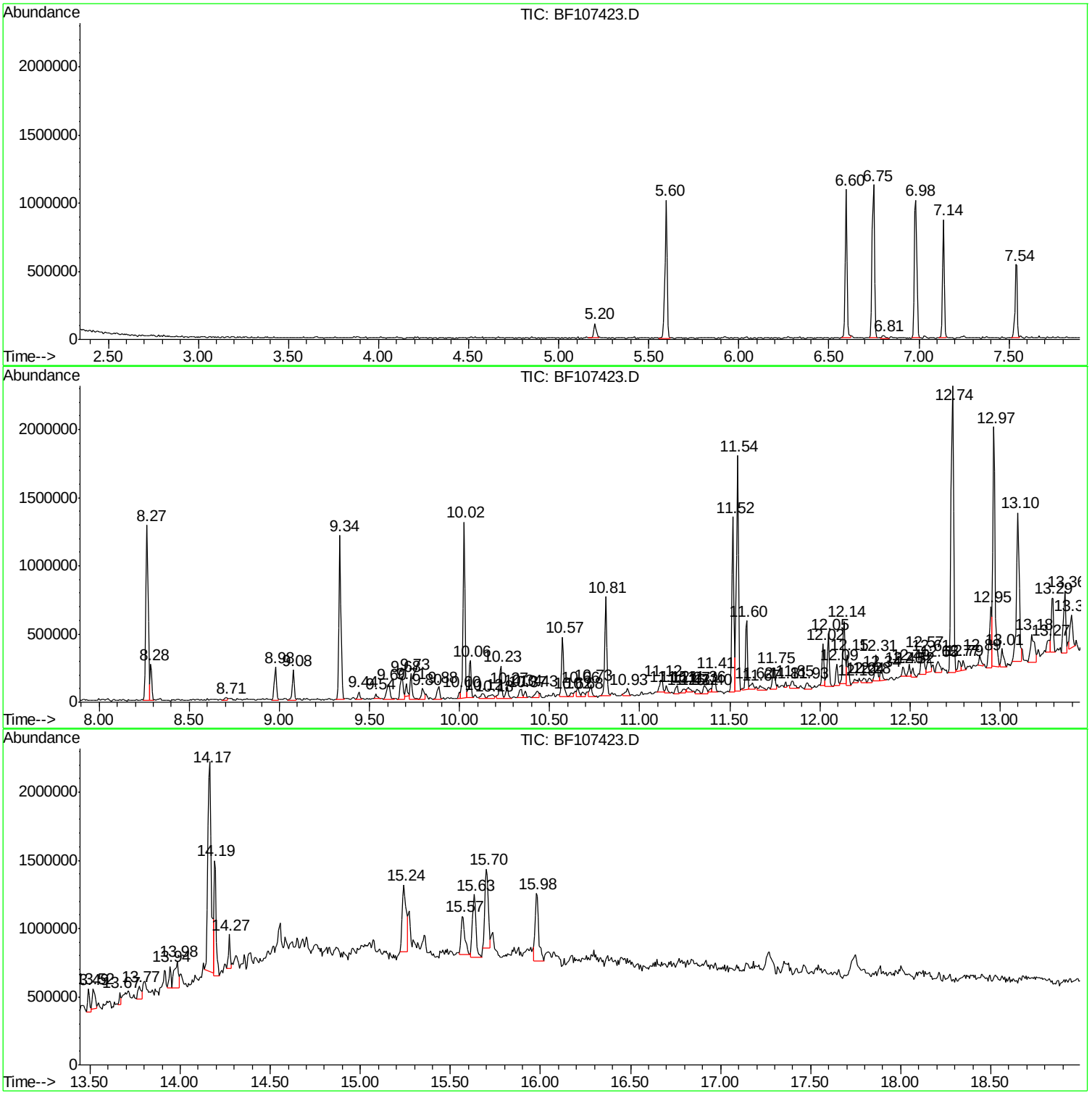
LSC Report - Integrated Chromatogram

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF071618\
Data File : BF107423.D
Acq On : 17 Jul 2018 00:44
Operator : JU/SJ
Sample : J3831-01 5X
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SU-04-071218

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF071618.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\BF071618\
Data File : BF107423.D
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Sample : J3831-01 5X
Misc :
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Instrument : BNA_F
ClientSampleId : SU-04-071218

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF071618.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

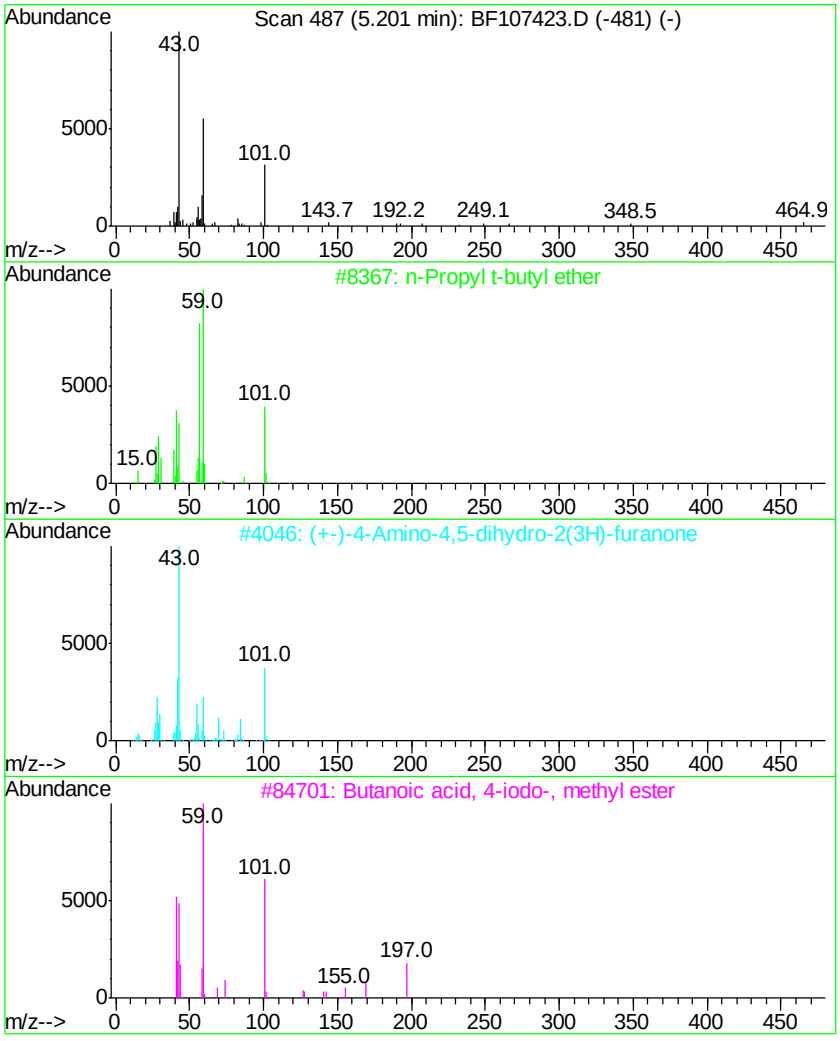
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

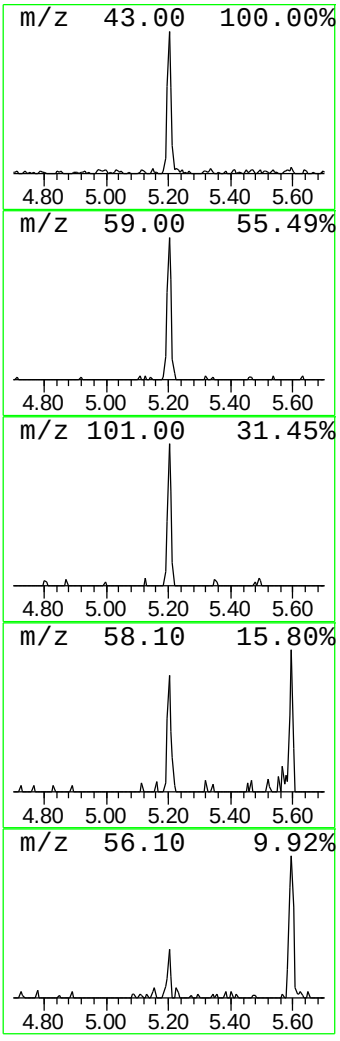
****

Peak Number 1 unknown5.20 Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.20	2.23 ng	100770	1,4-Dichlorobenzene-d4	6.98

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	n-Propyl t-butyl ether	116	C7H16O	1000334-81-9	38
2	(+-)-4-Amino-4,5-dihydro-2(3H)-f...	101	C4H7NO2	016504-58-8	37
3	Butanoic acid, 4-iodo-, methyl e...	228	C5H9IO2	014273-85-9	36
4	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	33
5	3-Nonanol	144	C9H20O	000624-51-1	25





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF071618\
Data File : BF107423.D
Acq On : 17 Jul 2018 00:44
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Sample : J3831-01 5X
Misc :
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Instrument : BNA_F
ClientSampleId : SU-04-071218

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF071618.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

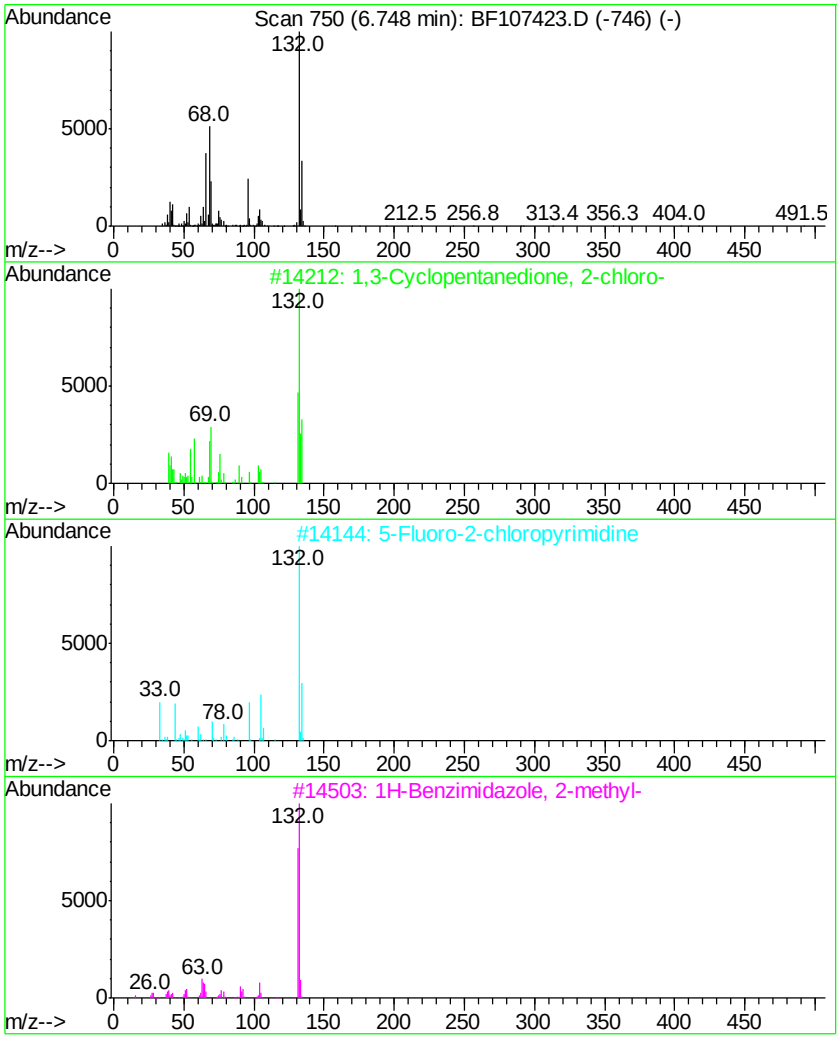
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

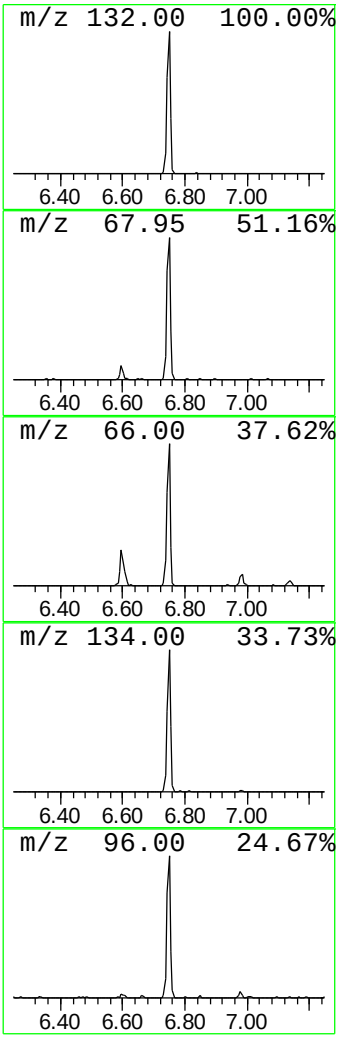
****

Peak Number 2 unknown6.75 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.75	20.02 ng	904452	1,4-Dichlorobenzene-d4	6.98

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,3-Cyclopentanedione, 2-chloro-	132	C5H5ClO2	014203-19-1	43
2	5-Fluoro-2-chloropyrimidine	132	C4H2ClFN2	062802-42-0	27
3	1H-Benzimidazole, 2-methyl-	132	C8H8N2	000615-15-6	22
4	2H-Cyclopenta[d]pyridazine, 2-me...	132	C8H8N2	022291-85-6	22
5	4-Chloro-6-fluoro-pyrimidine	132	C4H2ClFN2	051422-01-6	22





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF071618\
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Instrument : BNA_F
ClientSampleId : SU-04-071218

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF071618.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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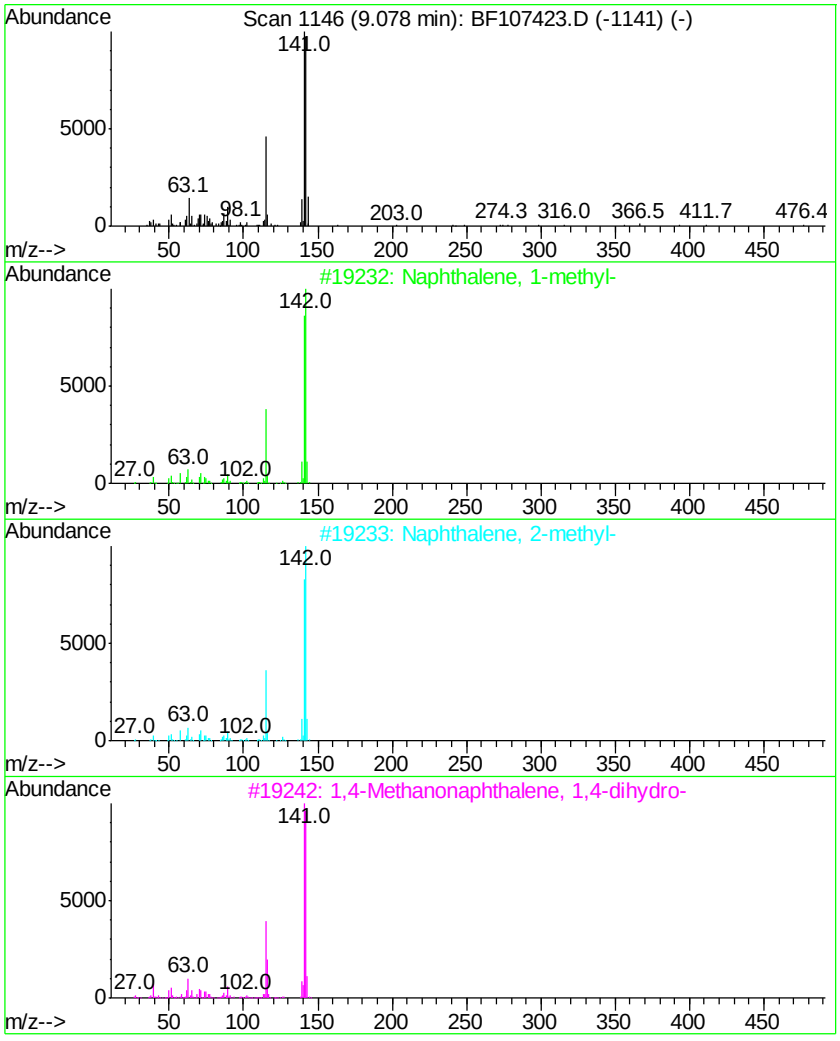
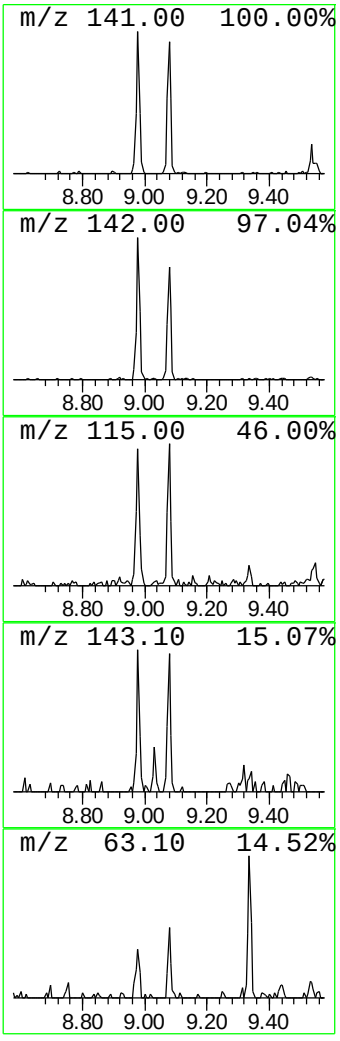
Peak Number 4 Naphthalene, 1-methyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.08	3.55 ng	187876	Naphthalene-d8	8.27

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1-methyl-	142	C11H10	000090-12-0	95
2	Naphthalene, 2-methyl-	142	C11H10	000091-57-6	95
3	1,4-Methanonaphthalene, 1,4-dihy...	142	C11H10	004453-90-1	94
4	1H-Indene, 1-ethylidene-	142	C11H10	002471-83-2	94
5	Bicyclo[4.4.1]undeca-1,3,5,7,9-p...	142	C11H10	002443-46-1	91





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF071618\
Data File : BF107423.D
Acq On : 17 Jul 2018 00:44
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Sample : J3831-01 5X
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SU-04-071218

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF071618.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

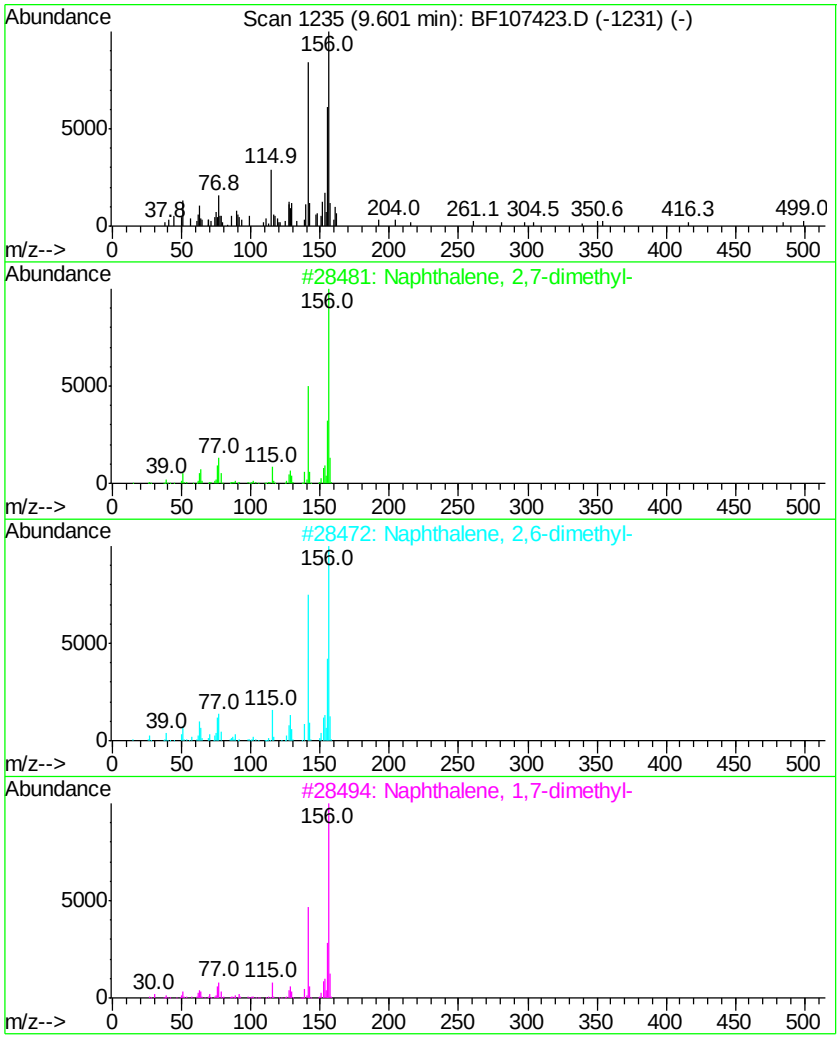
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

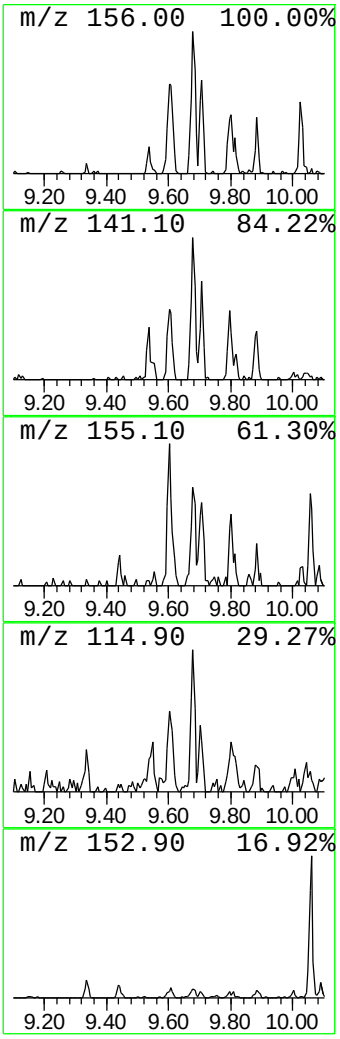
****

Peak Number 5 Naphthalene, 2,7-dimethyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.60	2.72 ng	147699	Acenaphthene-d10	10.02

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	90
2	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	87
3	Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	81
4	Naphthalene, 1,4-dimethyl-	156	C12H12	000571-58-4	81
5	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	81





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF071618\
Data File : BF107423.D
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Operator : JU/SJ
Sample : J3831-01 5X
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SU-04-071218

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF071618.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

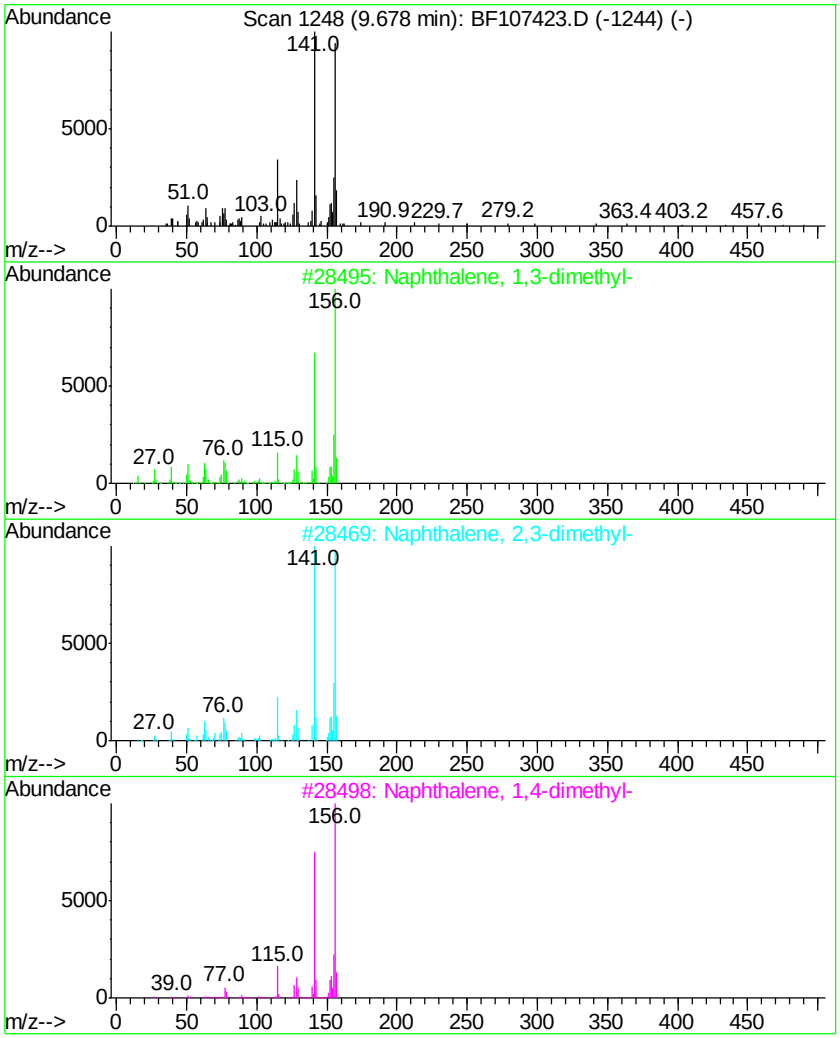
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

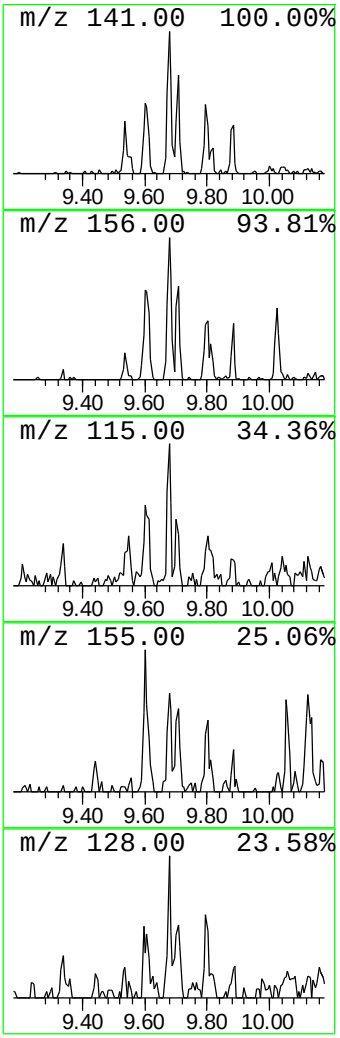
****

Peak Number 6 Naphthalene, 1,3-dimethyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.68	3.18 ng	172134	Acenaphthene-d10	10.02

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	95
2	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	95
3	Naphthalene, 1,4-dimethyl-	156	C12H12	000571-58-4	94
4	Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	93
5	Naphthalene, 1,8-dimethyl-	156	C12H12	000569-41-5	93





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Operator : JU/SJ
Sample : J3831-01 5X
Misc :
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Instrument : BNA_F
ClientSampleId : SU-04-071218

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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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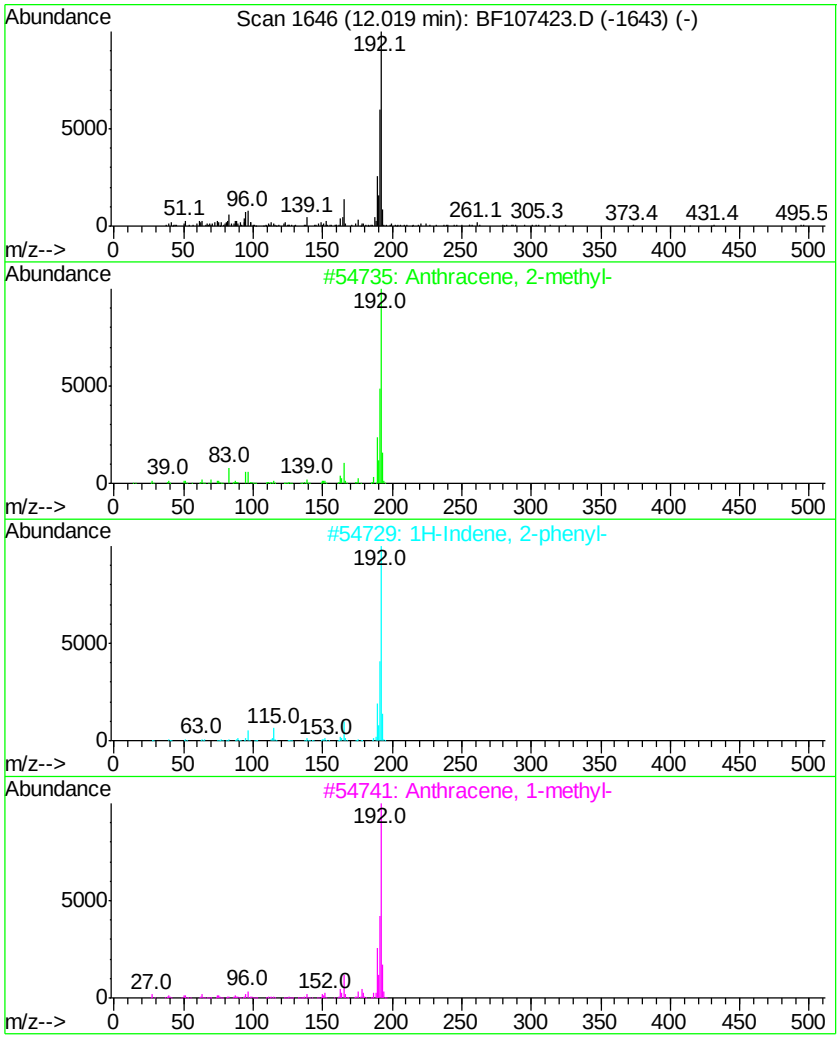
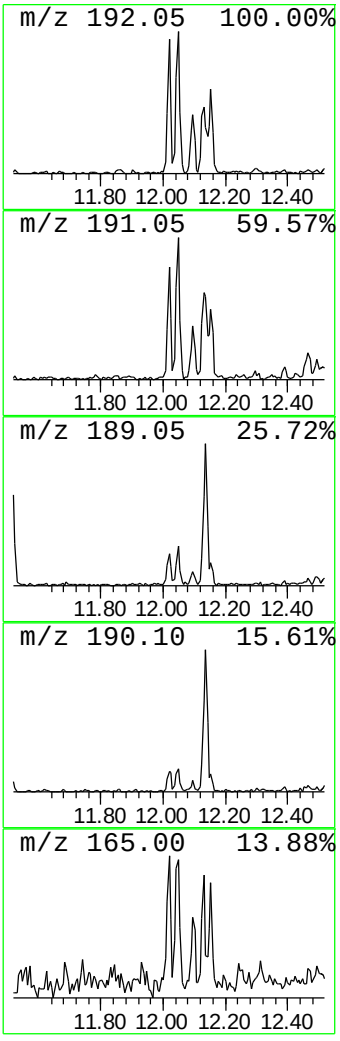
Peak Number 7 Anthracene, 2-methyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.02	4.39 ng	251143	Phenanthrene-d10	11.52

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 2-methyl-	192	C15H12	000613-12-7	90
2	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	81
3	Anthracene, 1-methyl-	192	C15H12	000610-48-0	81
4	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	81
5	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	81





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Sample : J3831-01 5X
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SU-04-071218

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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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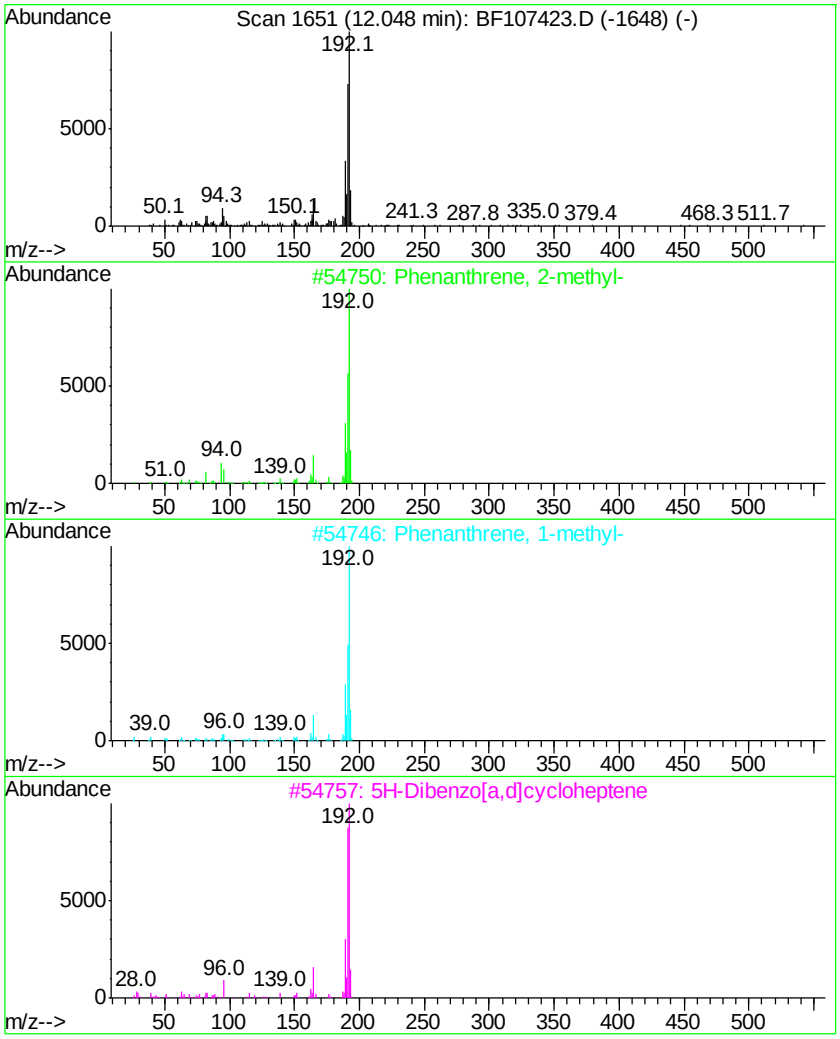
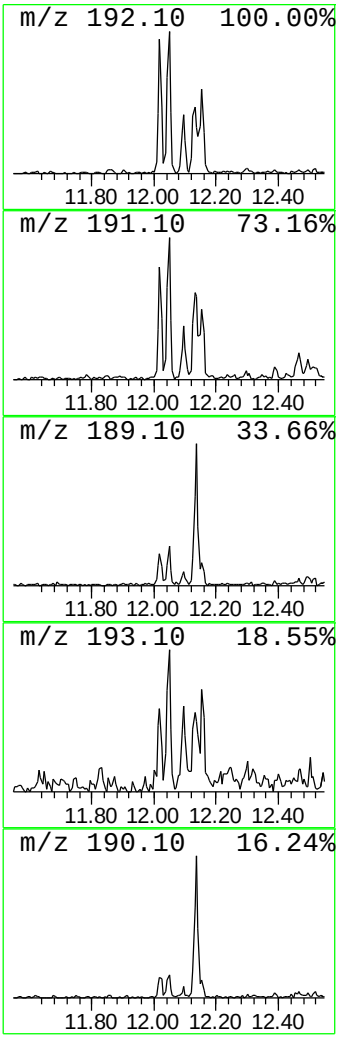
Peak Number 8 Phenanthrene, 2-methyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.05	5.71 ng	326272	Phenanthrene-d10	11.52

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	93
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	92
3	5H-Dibenzo[a,d]cycloheptene	192	C15H12	000256-81-5	91
4	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	91
5	Anthracene, 9-methyl-	192	C15H12	000779-02-2	86





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Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SU-04-071218

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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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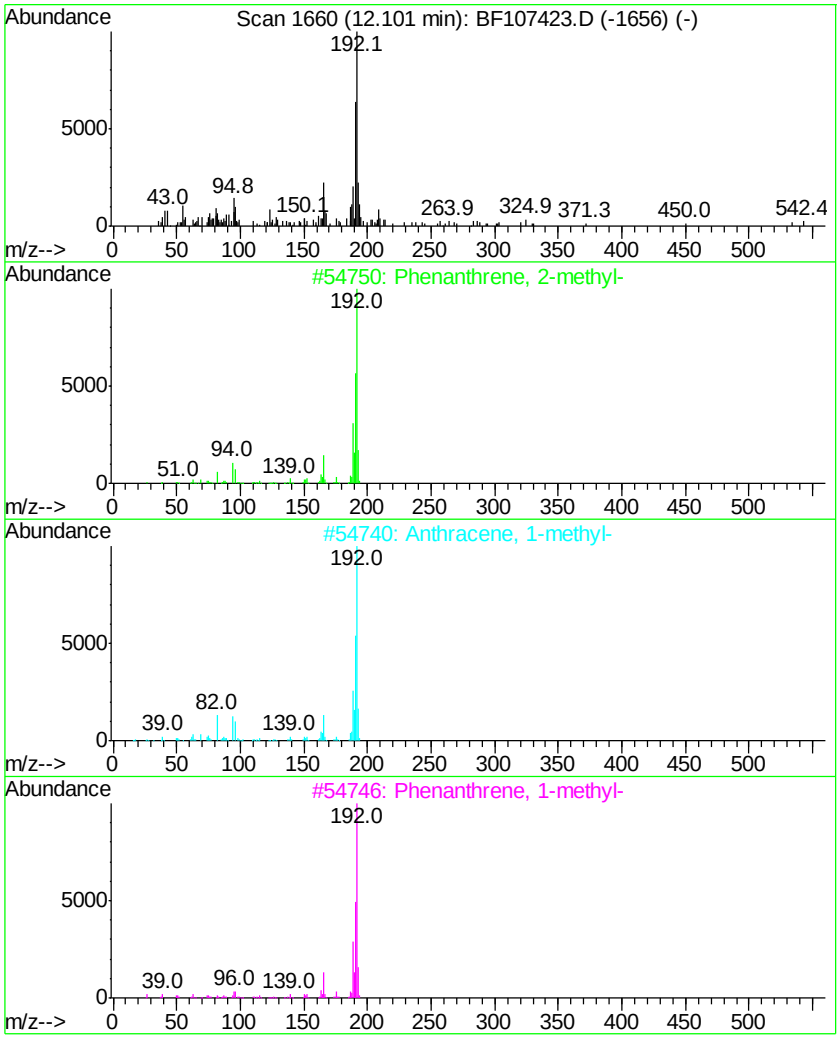
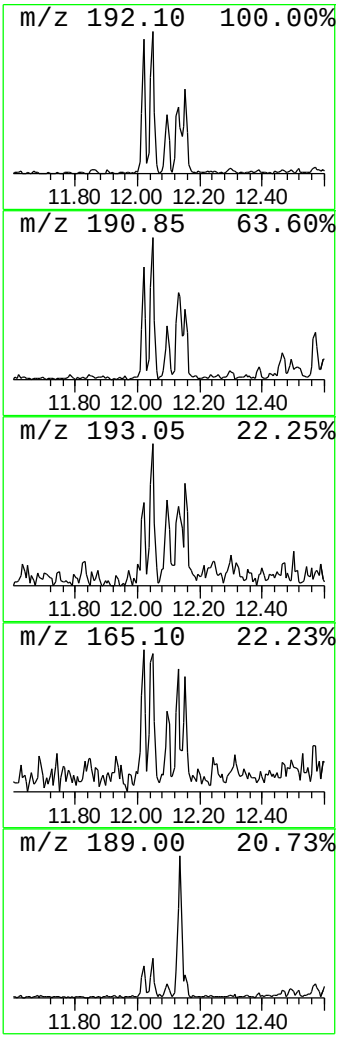
Peak Number 9 Anthracene, 1-methyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.10	2.40 ng	137392	Phenanthrene-d10	11.52

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	94
2	Anthracene, 1-methyl-	192	C15H12	000610-48-0	94
3	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	93
4	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	91
5	Anthracene, 9-methyl-	192	C15H12	000779-02-2	91





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Operator : JU/SJ
Sample : J3831-01 5X
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SU-04-071218

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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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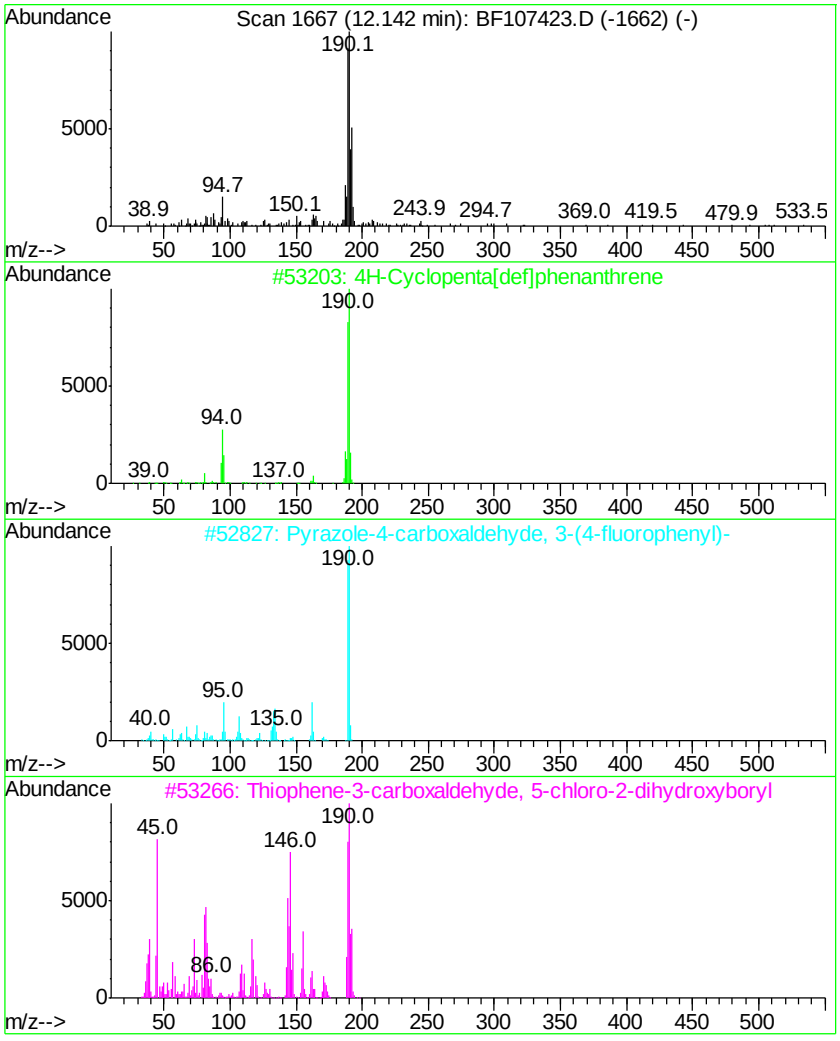
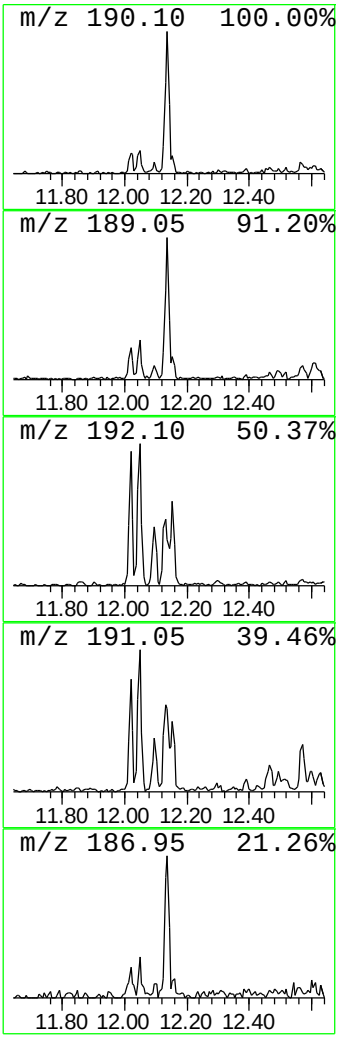
Peak Number 10 4H-Cyclopenta[def]phenanthrene Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.14	8.72 ng	498552	Phenanthrene-d10	11.52

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	87
2	Pyrazole-4-carboxaldehyde, 3-(4-...	190	C10H7FN2O	306936-57-2	42
3	Thiophene-3-carboxaldehyde, 5-ch...	190	C5H4BClO3S	036155-87-0	40
4	2,3,5,6-Tetramethylterephthalald...	190	C12H14O2	007072-01-7	38
5	2,2'-Bis(4,5-dimethylimidazole)	190	C10H14N4	069286-06-2	36





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Sample : J3831-01 5X
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SU-04-071218

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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 Phenanthrene, 4-methyl- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.15	2.30 ng	131720	Phenanthrene-d10	11.52

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	64
2	Phenanthrene, 3-methyl-	192	C15H12	000832-71-3	64
3	Anthracene, 1-methyl-	192	C15H12	000610-48-0	62
4	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	59
5	Anthracene, 2-methyl-	192	C15H12	000613-12-7	59