LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF121517\
Data File : BF101450.D
Acq On : 15 Dec 2017 18:33
Operator : SJ/JU
Sample : I6678-01 2X
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : JC-01-121317

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-BF121417.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	5.428	565	568	577	rBV	1623743	1894053	30.88%	0.958%
2	6.045	668	673	680	rBV2	500584	812344	13.24%	0.411%
3	6.334	719	722	729	rBV	696598	848589	13.84%	0.429%
4	6.451	739	742	745	rBV	1725277	1880352	30.66%	0.951%
5	6.545	753	758	762	rBV4	376941	728006	11.87%	0.368%
6	6.587	762	765	770	rVB	2106882	2243614	36.58%	1.135%
7	6.816	801	804	808	rVB	2392949	2114129	34.47%	1.069%
8	6.951	824	827	828	rBV	1249881	1093392	17.83%	0.553%
9	6.969	828	830	832	rVB	1168146	889081	14.50%	0.450%
10	7.081	846	849	852	rVB	1434560	1405182	22.91%	0.711%
11	7.110	852	854	856	rBV	977553	730886	11.92%	0.370%
12	7.145	856	860	864	rVB3	638156	1143372	18.64%	0.578%
13	7.192	864	868	872	rBV2	1193934	1721617	28.07%	0.871%
14	7.345	888	894	897	rBV	2288879	2883260	47.01%	1.459%
15	7.381	897	900	907	rVB4	2283310	3071289	50.07%	1.554%
16	7.451	907	912	915	rBV6	1334603	2017068	32.89%	1.020%
17	7.516	915	923	927	rBV4	1109249	2651311	43.23%	1.341%
18	7.587	932	935	937	rVV2	1778001	1462531	23.84%	0.740%
19	7.616	937	940	943	rVB3	1040342	949441	15.48%	0.480%
20	7.698	949	954	955	rBV2	1000924	1312787	21.40%	0.664%
21	7.710	955	956	958	rVV2	957598	673082	10.97%	0.340%
22	7.734	958	960	964	rVV3	1014340	1150201	18.75%	0.582%
23	7.769	964	966	970	rVB3	1956624	2139717	34.89%	1.082%
24	7.804	970	972	974	rBV	866976	709573	11.57%	0.359%
25	7.839	974	978	984	rBV5	2730343	3767165	61.42%	1.906%
26	7.916	988	991	993	rBV2	826305	883364	14.40%	0.447%
27	7.969	996	1000	1003	rBV2	1235226	1318641	21.50%	0.667%
28	7.998	1003	1005	1007	rBV	764880	619156	10.09%	0.313%
29	8.057	1008	1015	1016	rBV6	1088492	2041480	33.28%	1.033%
30	8.087	1016	1020	1022	rVV2	1882653	2948677	48.07%	1.492%
31	8.122	1024	1026	1028	rVV2	2354690	2590522	42.24%	1.310%
32	8.157	1028	1032	1034	rVB2	3339581	4278220	69.75%	2.164%
33	8.187	1034	1037	1039	rBV2	1477557	1499260	24.44%	0.758%
34	8.251	1044	1048	1050	rBV2	1026641	1233722	20.11%	0.624%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF121517\
Data File : BF101450.D
Acq On : 15 Dec 2017 18:33
Operator : SJ/JU
Sample : I6678-01 2X
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : JC-01-121317

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-BF121417.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	8.298	1053	1056	1059	rVB2	2072137	1916080	31.24%	0.969%
36	8.387	1066	1071	1076	rVB6	1869894	2952932	48.14%	1.494%
37	8.445	1078	1081	1084	rVB4	670070	661798	10.79%	0.335%
38	8.486	1084	1088	1090	rBV2	1680758	1810691	29.52%	0.916%
39	8.522	1090	1094	1096	rBV3	3045802	3593425	58.59%	1.818%
40	8.569	1100	1102	1105	rVB	1162965	1040528	16.96%	0.526%
41	8.610	1105	1109	1111	rBV	2944808	2920657	47.62%	1.477%
42	8.639	1111	1114	1117	rBV4	637364	812695	13.25%	0.411%
43	8.692	1121	1123	1127	rBV3	1164173	1611515	26.27%	0.815%
44	8.828	1142	1146	1148	rVB	2524567	2743199	44.72%	1.388%
45	8.851	1148	1150	1152	rVB2	791529	591474	9.64%	0.299%
46	8.875	1152	1154	1157	rBV3	705845	986481	16.08%	0.499%
47	8.928	1157	1163	1166	rBV2	2842533	4116059	67.11%	2.082%
48	9.051	1181	1184	1186	rBV3	928948	1146875	18.70%	0.580%
49	9.128	1193	1197	1202	rVB5	2645019	3489052	56.89%	1.765%
50	9.181	1203	1206	1208	rBV2	939424	877044	14.30%	0.444%
51	9.257	1216	1219	1225	rBV4	1748167	2624451	42.79%	1.328%
52	9.386	1238	1241	1247	rVB	1588013	2234654	36.43%	1.130%
53	9.469	1249	1255	1257	rVB2	2292063	4022142	65.58%	2.035%
54	9.539	1262	1267	1269	rBV3	1734413	3113795	50.77%	1.575%
55	9.651	1283	1286	1290	rBV4	1325439	1925189	31.39%	0.974%
56	9.733	1297	1300	1302	rBV	1843190	1738422	28.34%	0.879%
57	9.910	1325	1330	1332	rBV2	1556365	2262402	36.89%	1.144%
58	9.975	1337	1341	1345	rVB2	1617386	2618602	42.69%	1.325%
59	10.022	1346	1349	1352	rBV4	957087	1290690	21.04%	0.653%
60	10.057	1352	1355	1356	rBV2	849836	915393	14.92%	0.463%
61	10.081	1356	1359	1362	rVB2	1879002	2019820	32.93%	1.022%
62	10.122	1362	1366	1369	rBV3	1937369	2343329	38.21%	1.185%
63	10.192	1374	1378	1381	rBV	1915866	2747154	44.79%	1.390%
64	10.222	1381	1383	1388	rVB3	1808476	2358351	38.45%	1.193%
65	10.281	1389	1393	1395	rBV2	1531066	2374749	38.72%	1.201%
66	10.422	1414	1417	1424	rVV4	1218265	2279996	37.17%	1.153%
67	10.516	1427	1433	1438	rVB3	2458153	4869550	79.39%	2.463%
68	10.786	1474	1479	1485	rVB2	3092073	5601087	91.32%	2.833%
69	11.245	1553	1557	1563	rVB2	2539162	4395914	71.67%	2.224%
70	11.404	1579	1584	1587	rVB	2051826	3417033	55.71%	1.729%
71	11.451	1589	1592	1594	rBV	1719060	1509452	24.61%	0.764%

LSC Area Percent Report

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Acq On : 15 Dec 2017 18:33
Operator : SJ/JU
Sample : I6678-01 2X
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : JC-01-121317

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-BF121417.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

72	11.592	1613	1616	1627	rVB7	1572412	2869394	46.78%	1.452%
73	11.869	1660	1663	1665	rBV	1411245	1403811	22.89%	0.710%
74	11.898	1665	1668	1671	rVB	1838832	1935830	31.56%	0.979%
75	11.980	1679	1682	1684	rBV3	1533661	1854657	30.24%	0.938%
76	12.004	1684	1686	1690	rVB2	1537366	1479365	24.12%	0.748%
77	12.157	1709	1712	1716	rBV	732559	811435	13.23%	0.410%
78	12.304	1735	1737	1741	rBV2	572965	765561	12.48%	0.387%
79	12.339	1741	1743	1745	rVB	873984	670874	10.94%	0.339%
80	12.416	1753	1756	1759	rBV	1393136	1379653	22.49%	0.698%
81	12.498	1768	1770	1774	rBV2	474470	593694	9.68%	0.300%
82	12.592	1780	1786	1788	rVV	3311159	5015373	81.77%	2.537%
83	12.822	1818	1825	1828	rVV3	3474969	6133503	100.00%	3.103%
84	12.857	1828	1831	1837	rVB	986090	1037708	16.92%	0.525%
85	12.933	1841	1844	1847	rVB2	1165624	1278519	20.84%	0.647%
86	13.133	1875	1878	1883	rVB	1458646	1523369	24.84%	0.771%
87	13.198	1886	1889	1892	rVB	1275553	1164110	18.98%	0.589%
88	13.804	1989	1992	1998	rVB3	608097	969551	15.81%	0.490%
89	13.998	2019	2025	2028	rBV2	3012694	4664775	76.05%	2.360%
90	14.033	2028	2031	2034	rVB	2572235	2623125	42.77%	1.327%
91	14.110	2041	2044	2047	rBV	1080855	898266	14.65%	0.454%
92	14.386	2088	2091	2094	rVV	727019	718289	11.71%	0.363%
93	15.057	2199	2205	2207	rBV	1824567	3139425	51.18%	1.588%
94	15.157	2218	2222	2225	rVB	634808	648822	10.58%	0.328%
95	15.357	2251	2256	2262	rVV	1086157	1453037	23.69%	0.735%
96	15.421	2262	2267	2273	rVV	1765081	2565075	41.82%	1.298%
97	15.474	2273	2276	2279	rVV	524261	628179	10.24%	0.318%
98	15.510	2279	2282	2288	rVB2	657870	924304	15.07%	0.468%
99	16.968	2523	2530	2536	rVB	788032	1592502	25.96%	0.806%
100	17.415	2600	2606	2618	rVB	597057	1301566	21.22%	0.658%

Sum of corrected areas: 197681536

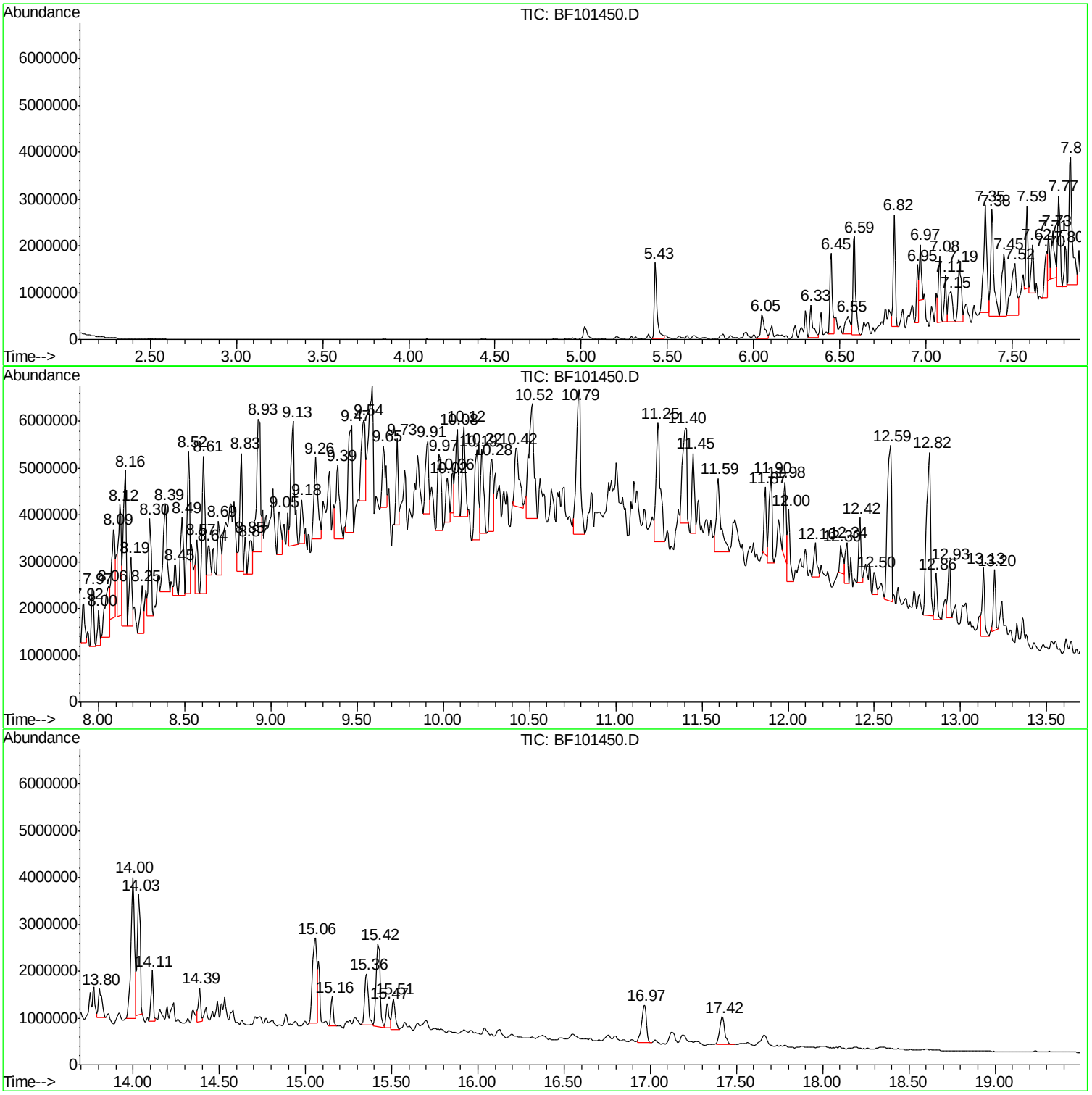
LSC Report - Integrated Chromatogram

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF121517\
Data File : BF101450.D
Acq On : 15 Dec 2017 18:33
Operator : SJ/JU
Sample : I6678-01 2X
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
JC-01-121317

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF121417.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF121517\
Data File : BF101450.D
Acq On : 15 Dec 2017 18:33
Operator : SJ/JU
Sample : I6678-01 2X
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : JC-01-121317

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF121417.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

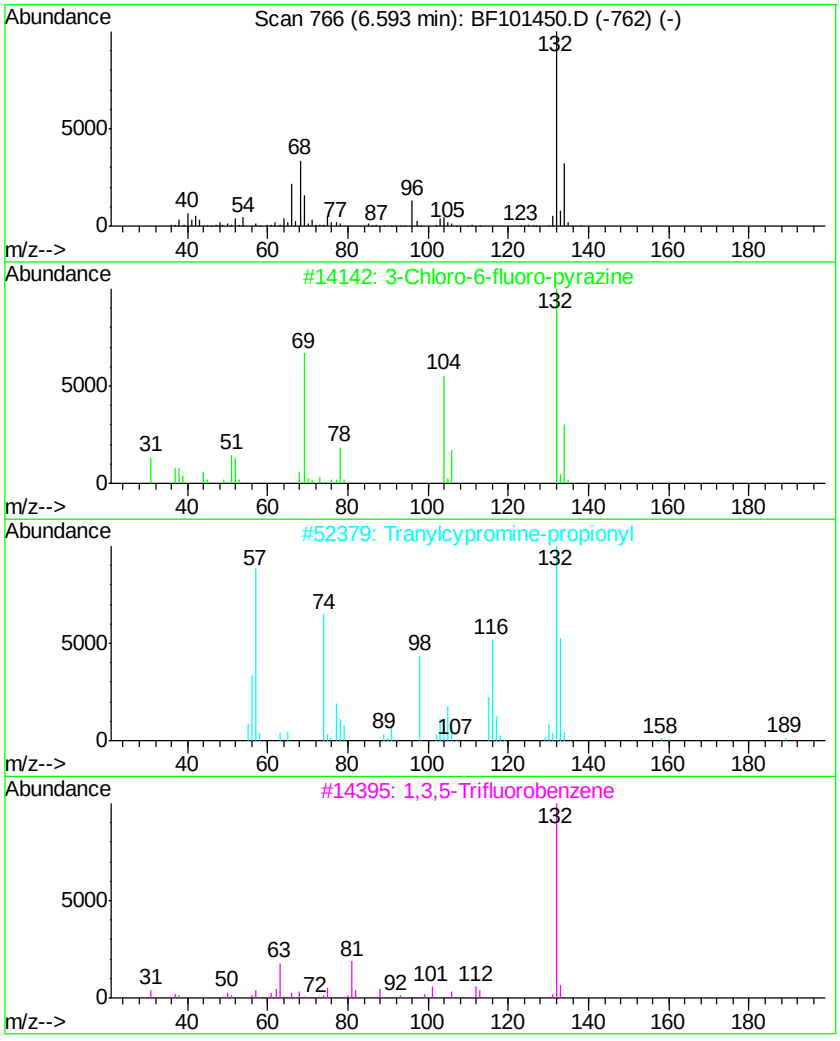
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

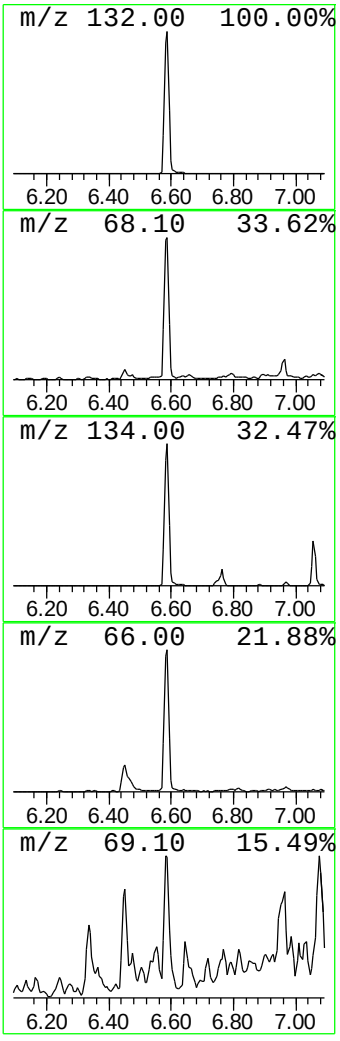
****

Peak Number 1 unknown6.59 Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.59	21.22 ng	2243610	1,4-Dichlorobenzene-d4	6.82

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	27
2	Tranylcypromine-propionyl	189	C12H15NO	1000123-86-3	10
3	1,3,5-Trifluorobenzene	132	C6H3F3	000372-38-3	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





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF121517\
Data File : BF101450.D
Acq On : 15 Dec 2017 18:33
Operator : SJ/JU
Sample : I6678-01 2X
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : JC-01-121317

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF121417.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

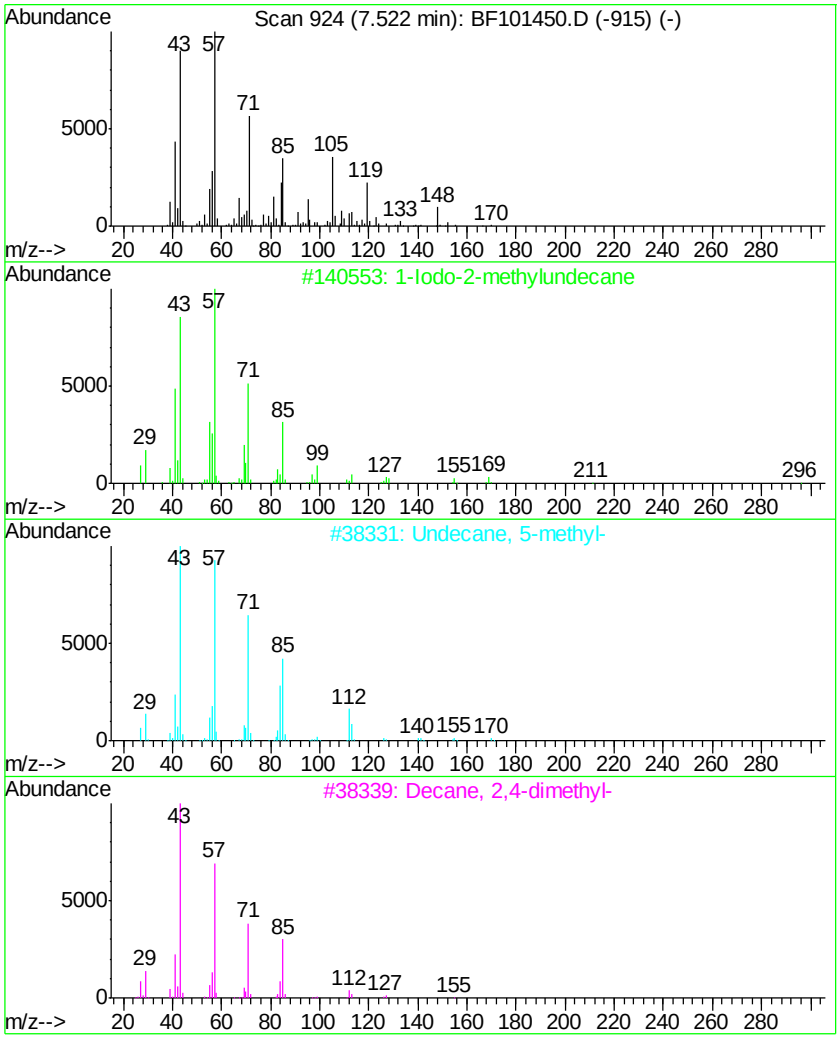
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

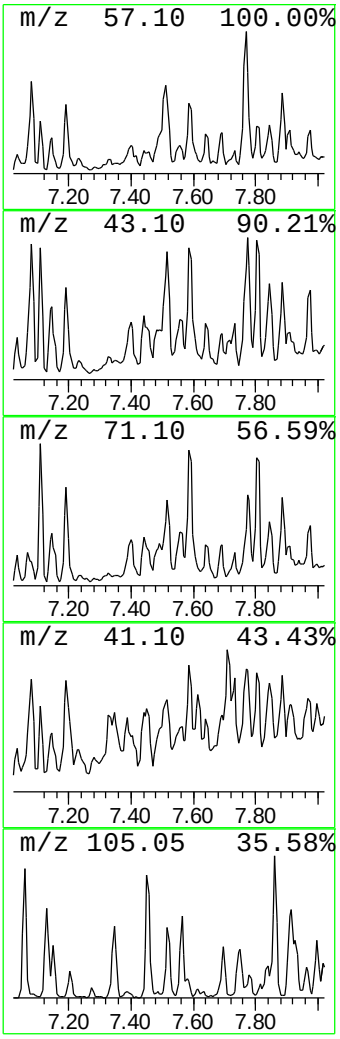
****

Peak Number 2 1-Iodo-2-methylundecane Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.52	20.47 ng	2651310	Naphthalene-d8	8.10

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Iodo-2-methylundecane	296	C12H25I	073105-67-6	59
2	Undecane, 5-methyl-	170	C12H26	001632-70-8	59
3	Decane, 2,4-dimethyl-	170	C12H26	002801-84-5	59
4	Octane, 3-ethyl-2,7-dimethyl-	170	C12H26	062183-55-5	53
5	Octane, 3,6-dimethyl-	142	C10H22	015869-94-0	47





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF121517\
Data File : BF101450.D
Acq On : 15 Dec 2017 18:33
Operator : SJ/JU
Sample : I6678-01 2X
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : JC-01-121317

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF121417.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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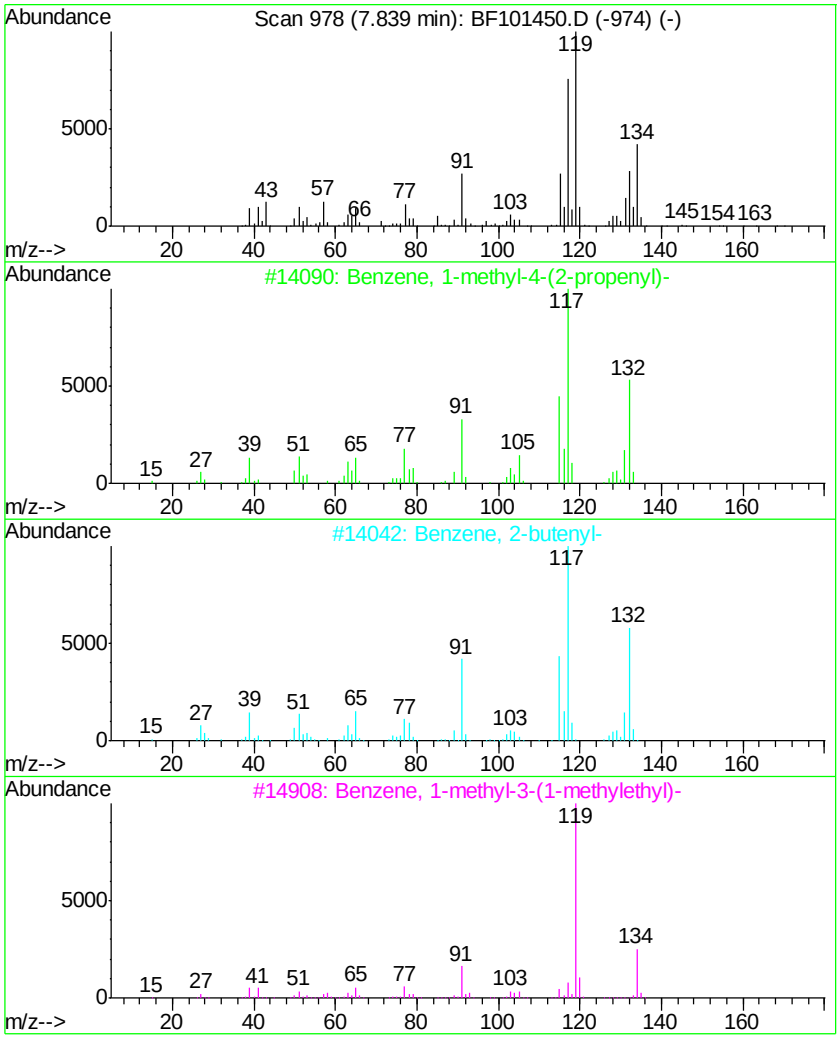
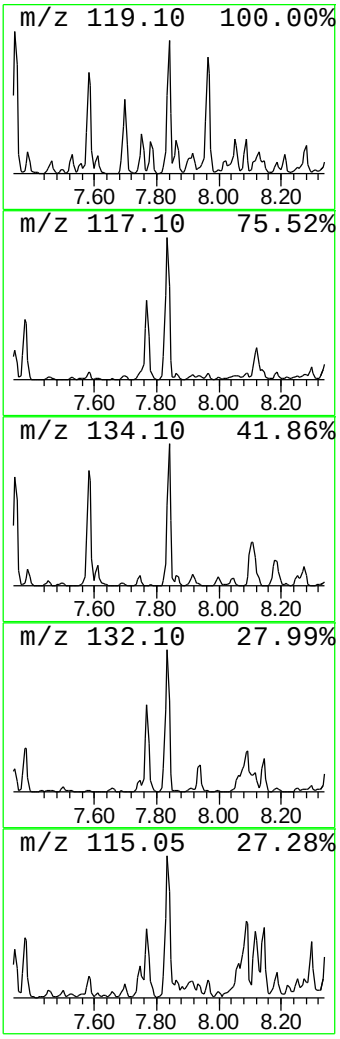
Peak Number 3 Benzene, 1-methyl-4-(2-prop... Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.84	29.08 ng	3767170	Naphthalene-d8	8.10

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-methyl-4-(2-propenyl)-	132	C10H12	003333-13-9	64
2	Benzene, 2-butenyl-	132	C10H12	001560-06-1	64
3	Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	50
4	Benzene, 1-methyl-2-(2-propenyl)-	132	C10H12	001587-04-8	50
5	Benzene, 2-ethenyl-1,3-dimethyl-	132	C10H12	002039-90-9	50





Data Path : Z:\HPCHEM1\BNA_F\DATA\BF121517\
Data File : BF101450.D
Acq On : 15 Dec 2017 18:33
Operator : SJ/JU
Sample : I6678-01 2X
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : JC-01-121317

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF121417.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

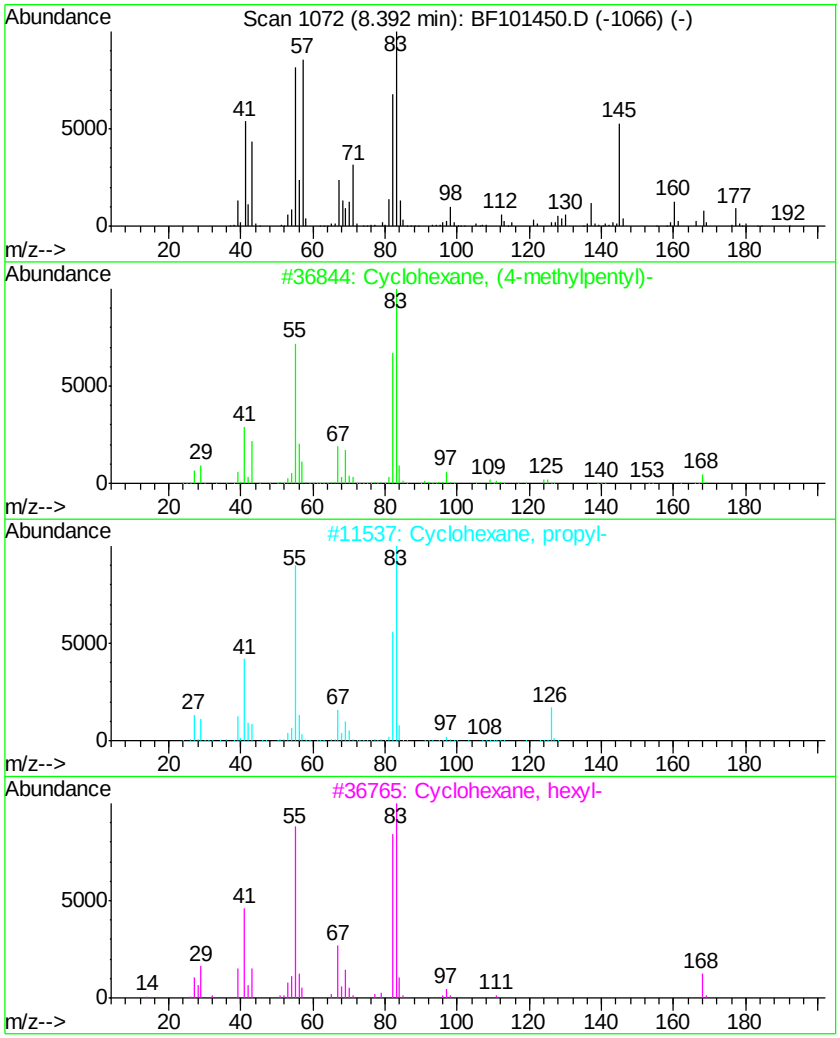
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

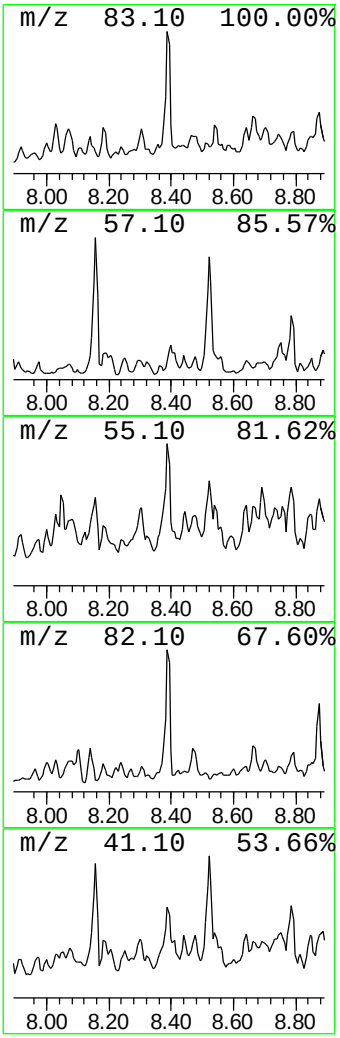
****

Peak Number 4 unknown8.39 Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.39	22.80 ng	2952930	Naphthalene-d8	8.10

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, (4-methylpentyl)-	168	C12H24	061142-20-9	49
2	Cyclohexane, propyl-	126	C9H18	001678-92-8	47
3	Cyclohexane, hexyl-	168	C12H24	004292-75-5	46
4	3-Cyclohexyl-1-chloropropane	160	C9H17Cl	001124-62-5	43
5	Cyclohexane, 2-propenyl-	124	C9H16	002114-42-3	43





Data Path : Z:\HPCHEM1\BNA_F\DATA\BF121517\
Data File : BF101450.D
Acq On : 15 Dec 2017 18:33
Operator : SJ/JU
Sample : I6678-01 2X
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : JC-01-121317

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF121417.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

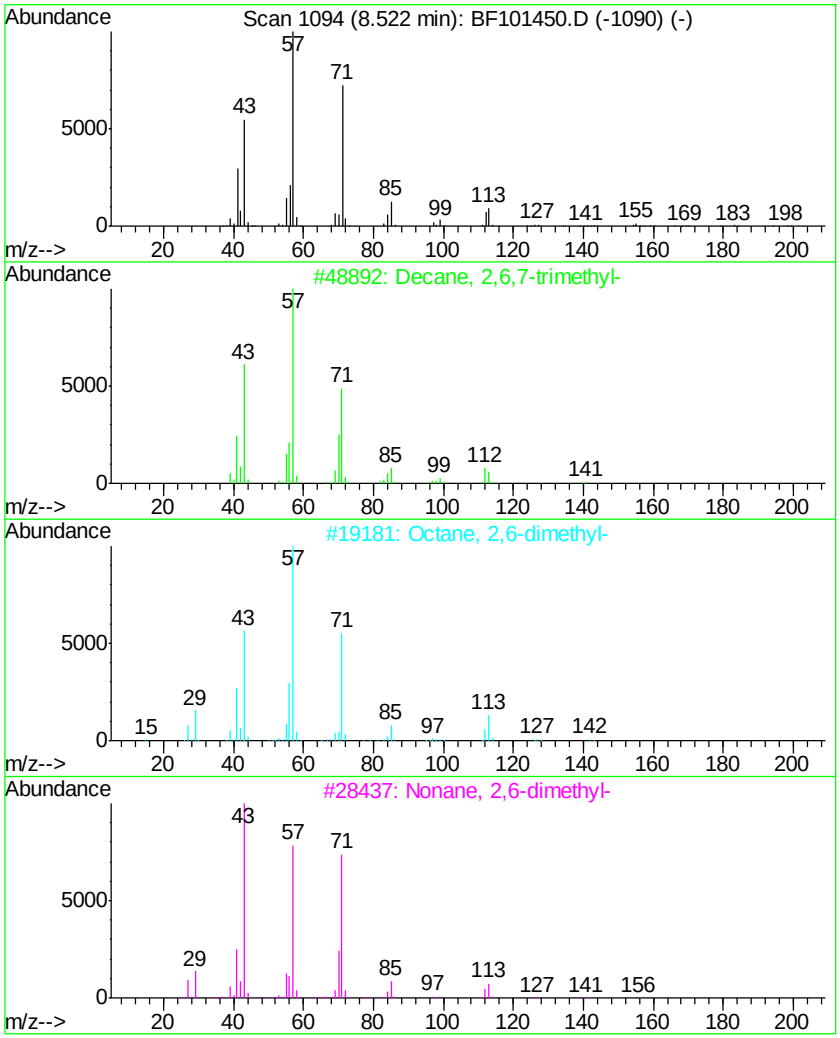
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

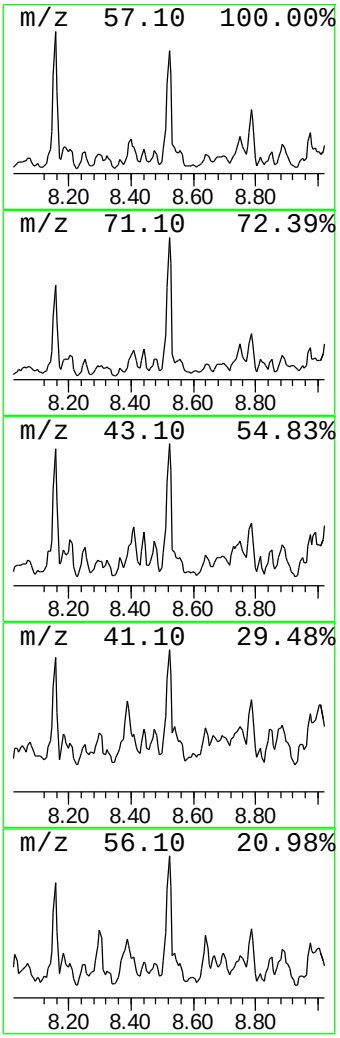
****

Peak Number 5 Decane, 2,6,7-trimethyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.52	27.74 ng	3593430	Naphthalene-d8	8.10

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Decane, 2,6,7-trimethyl-	184	C13H28	062108-25-2	90
2	Octane, 2,6-dimethyl-	142	C10H22	002051-30-1	83
3	Nonane, 2,6-dimethyl-	156	C11H24	017302-28-2	80
4	Nonane, 3-methyl-	142	C10H22	005911-04-6	78
5	Octane, 3,6-dimethyl-	142	C10H22	015869-94-0	72





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Acq On : 15 Dec 2017 18:33
Operator : SJ/JU
Sample : I6678-01 2X
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : JC-01-121317

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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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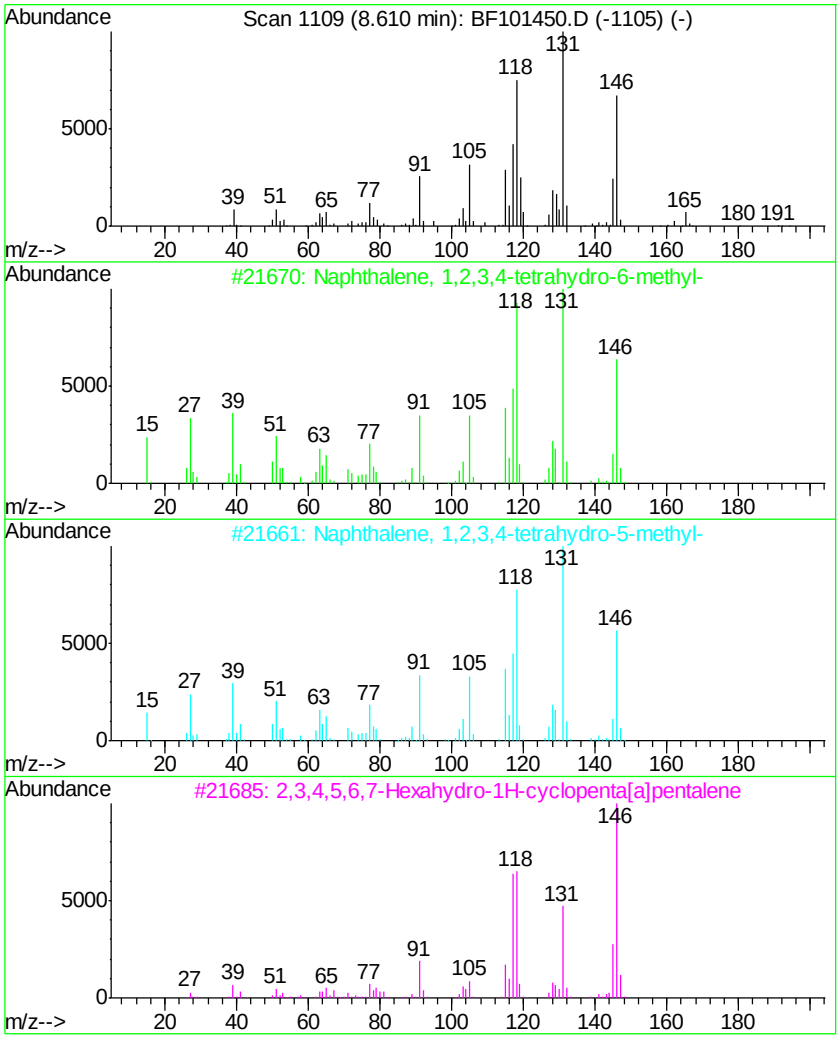
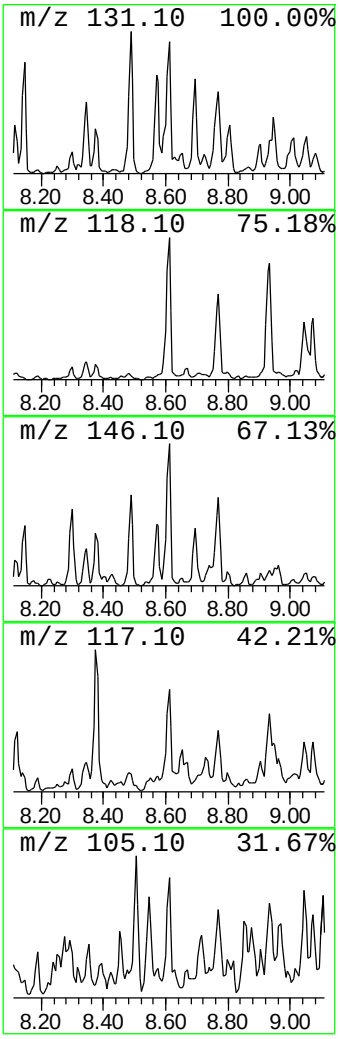
Peak Number 6 Naphthalene, 1,2,3,4-tetrah... Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.61	22.55 ng	2920660	Naphthalene-d8	8.10

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,2,3,4-tetrahydro-...	146	C11H14	001680-51-9	95
2	Naphthalene, 1,2,3,4-tetrahydro-...	146	C11H14	002809-64-5	93
3	2,3,4,5,6,7-Hexahydro-1H-cyclope...	146	C11H14	1000189-31-0	74
4	1H-Inden-1-one, 2,3-dihydro-2-me...	146	C10H10O	017496-14-9	64
5	Benzene, (1-methyl-1-butenyl)-	146	C11H14	053172-84-2	55





Library Search Compound Report

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Misc :
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ClientSampleId : JC-01-121317

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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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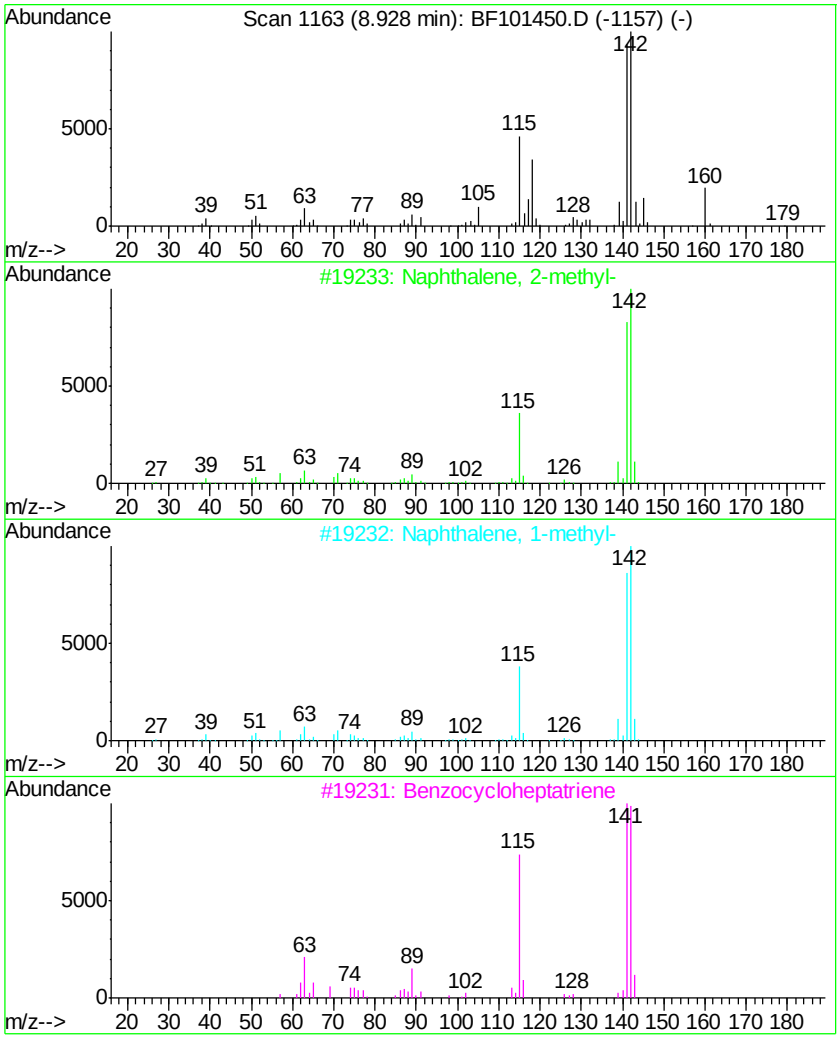
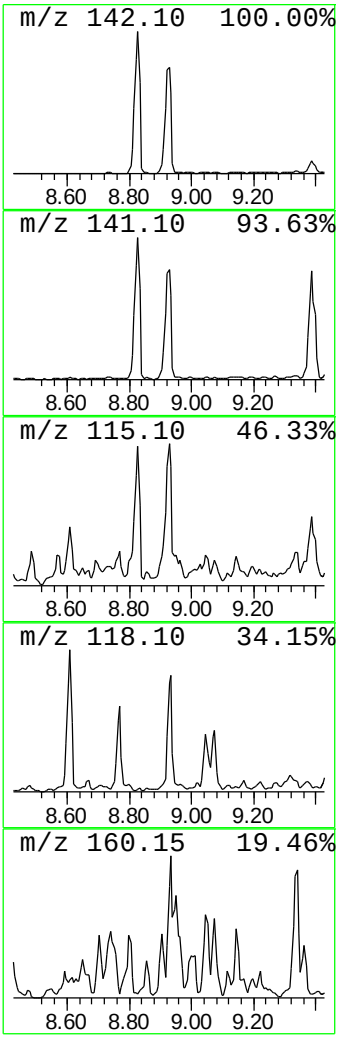
Peak Number 7 Naphthalene, 1-methyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.93	31.78 ng	4116060	Naphthalene-d8	8.10

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-methyl-	142	C11H10	000091-57-6	89
2	Naphthalene, 1-methyl-	142	C11H10	000090-12-0	89
3	Benzocycloheptatriene	142	C11H10	000264-09-5	76
4	1,4-Methanonaphthalene, 1,4-dihy...	142	C11H10	004453-90-1	70
5	Bicyclo[4.4.1]undeca-1,3,5,7,9-p...	142	C11H10	002443-46-1	58





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Misc :
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Instrument : BNA_F
ClientSampleId : JC-01-121317

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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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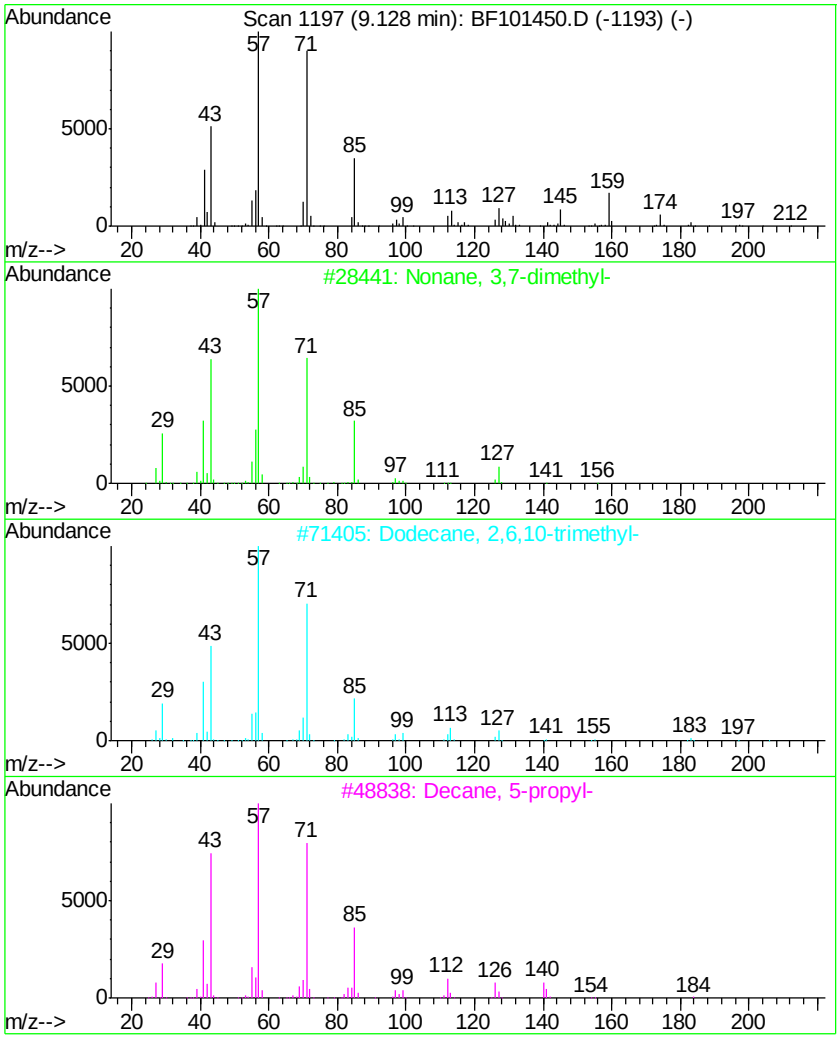
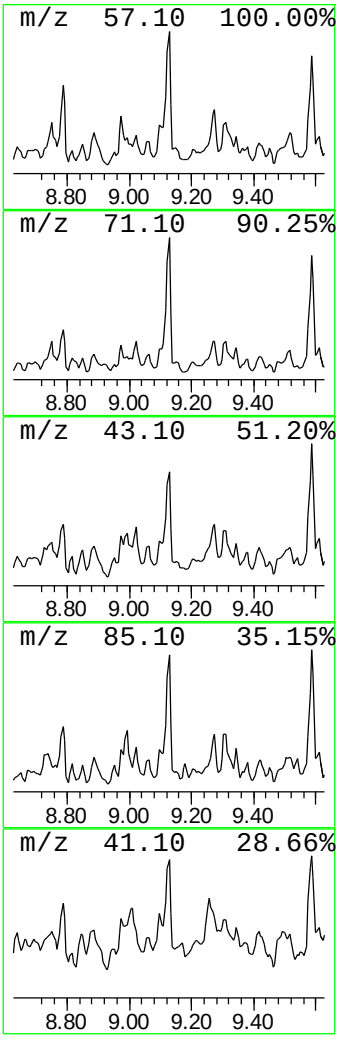
Peak Number 8 Nonane, 3,7-dimethyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.13	30.84 ng	3489050	Acenaphthene-d10	9.87

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Nonane, 3,7-dimethyl-	156	C11H24	017302-32-8	76
2	Dodecane, 2,6,10-trimethyl-	212	C15H32	003891-98-3	72
3	Decane, 5-propyl-	184	C13H28	017312-62-8	68
4	Dodecane, 2,7,10-trimethyl-	212	C15H32	074645-98-0	64
5	Nonane, 2,6-dimethyl-	156	C11H24	017302-28-2	58





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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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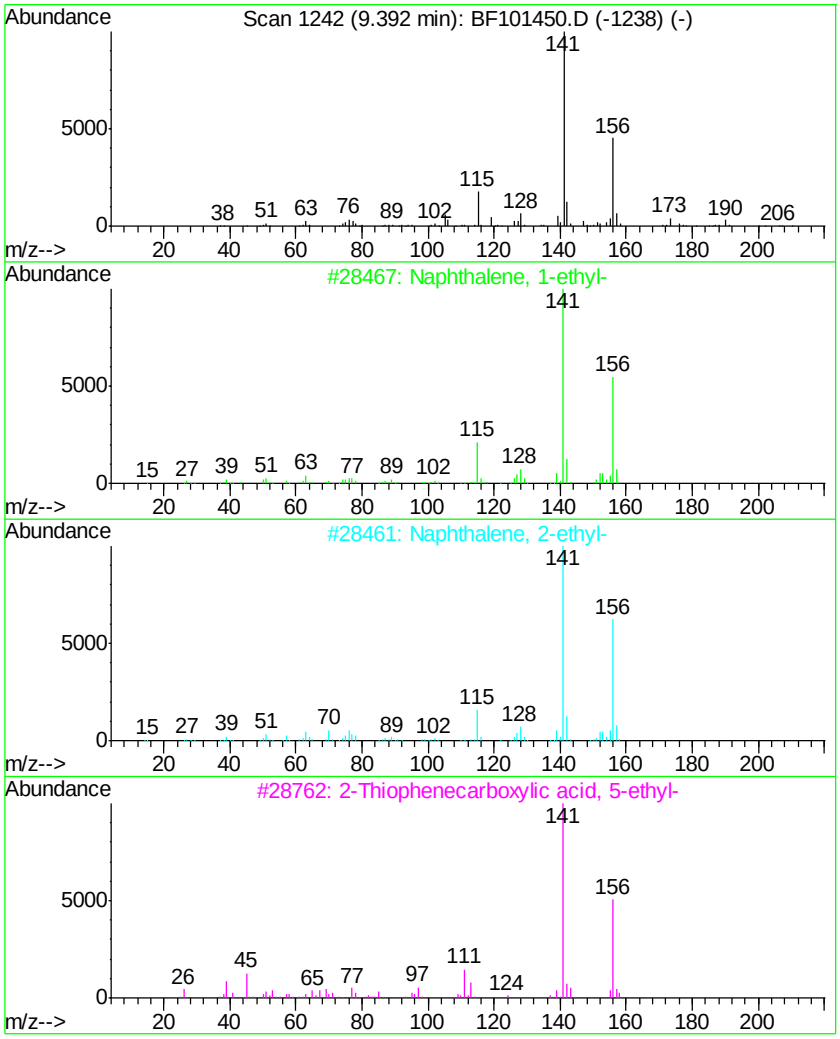
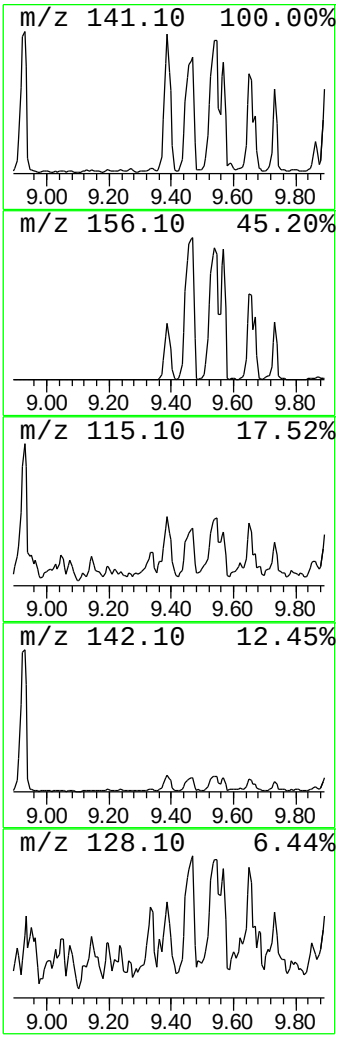
Peak Number 9 Naphthalene, 1-ethyl- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.39	19.75 ng	2234650	Acenaphthene-d10	9.87

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1-ethyl-	156	C12H12	001127-76-0	94
2	Naphthalene, 2-ethyl-	156	C12H12	000939-27-5	93
3	2-Thiophenecarboxylic acid, 5-et...	156	C7H8O2S	023229-72-3	72
4	Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	72
5	Naphthalene, 2-butyl-	184	C14H16	001134-62-9	50





Library Search Compound Report

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Sample : I6678-01 2X
Misc :
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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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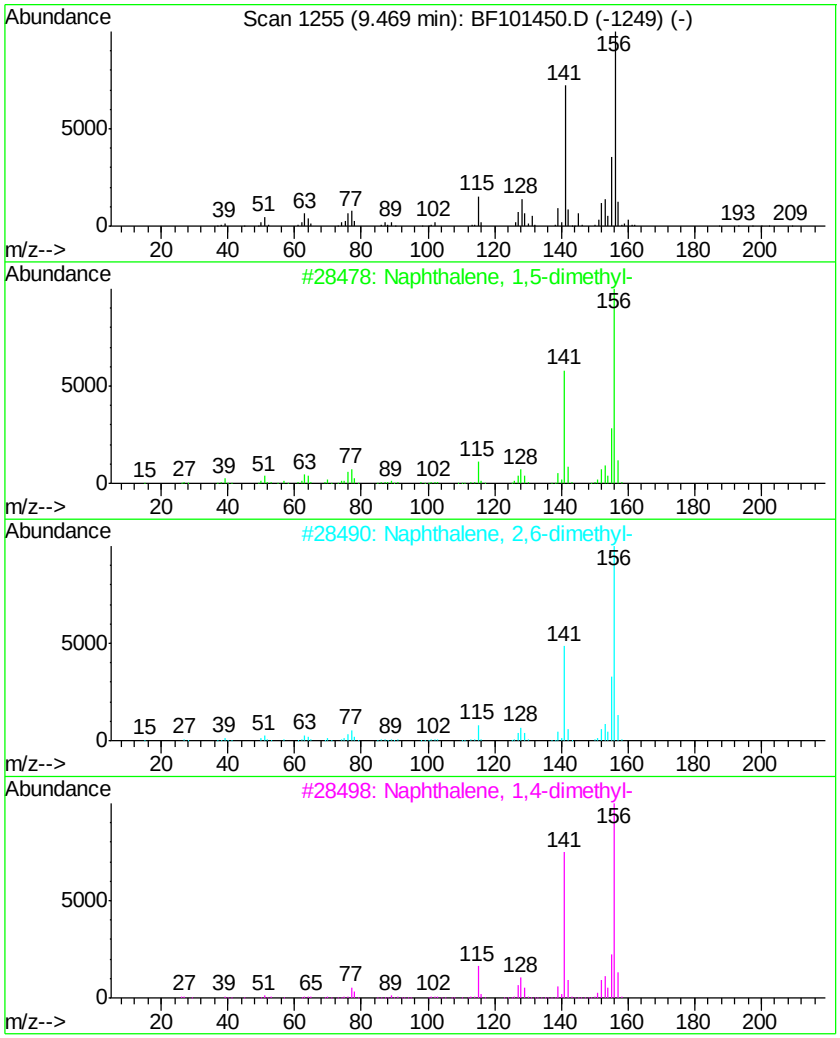
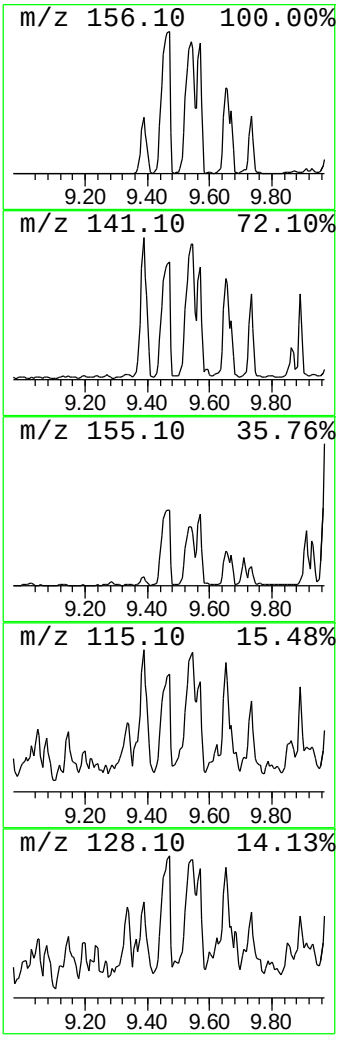
Peak Number 10 Naphthalene, 1,5-dimethyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.47	35.56 ng	4022140	Acenaphthene-d10	9.87

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,5-dimethyl-	156	C12H12	000571-61-9	97
2	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	96
3	Naphthalene, 1,4-dimethyl-	156	C12H12	000571-58-4	96
4	Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	96
5	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	95





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Misc :
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Instrument : BNA_F
ClientSampleId : JC-01-121317

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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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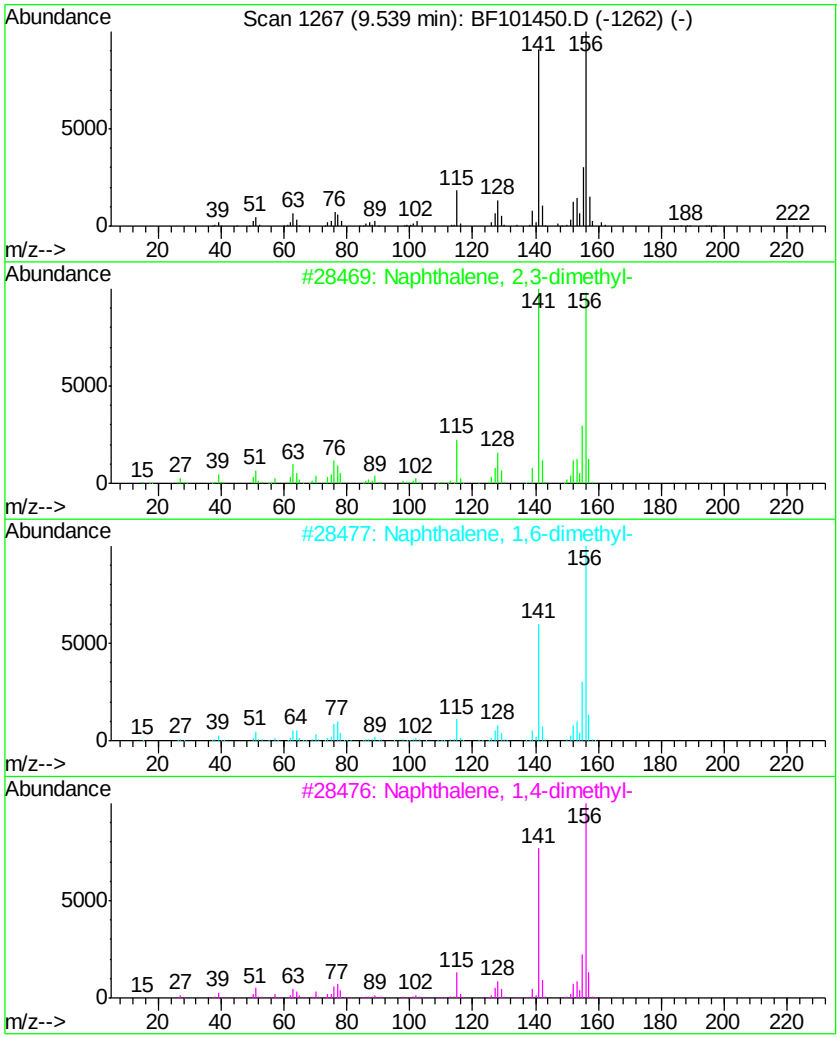
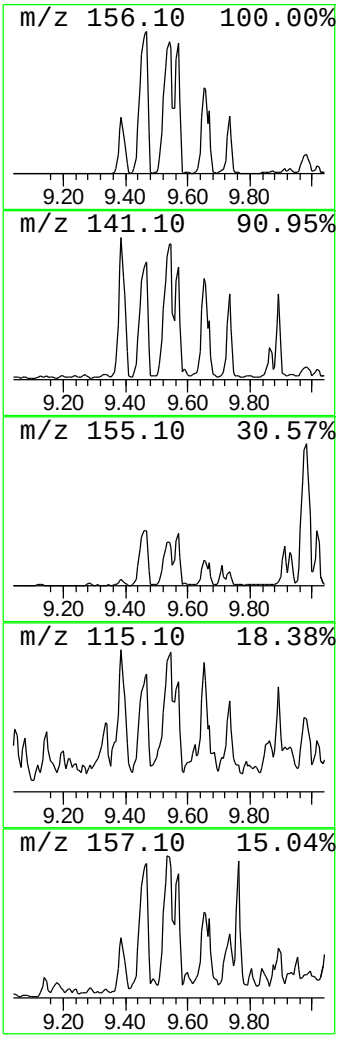
Peak Number 11 Naphthalene, 2,3-dimethyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.54	27.53 ng	3113800	Acenaphthene-d10	9.87

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





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Misc :
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Instrument : BNA_F
ClientSampleId : JC-01-121317

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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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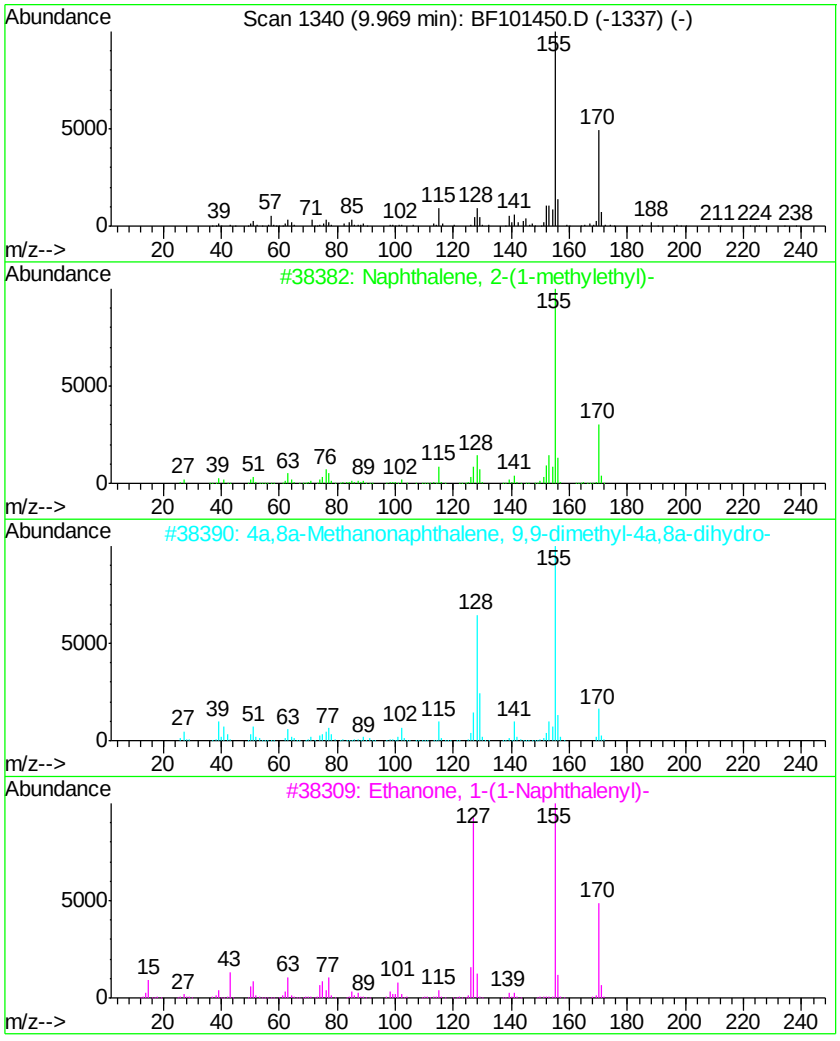
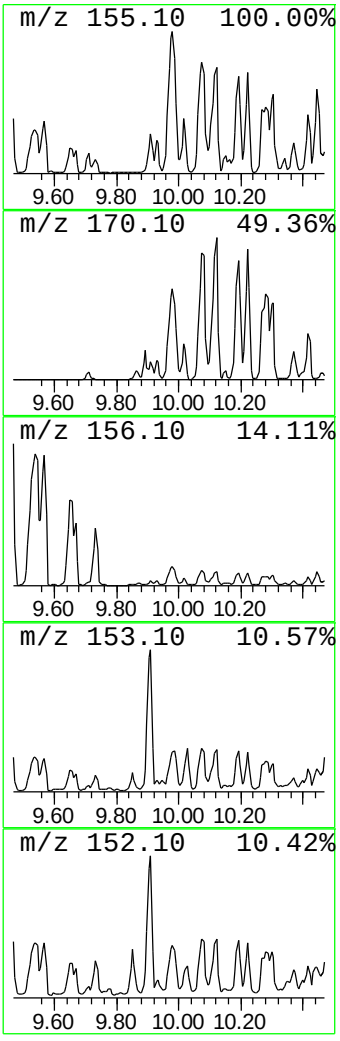
Peak Number 12 Naphthalene, 2-(1-methyleth... Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.97	23.15 ng	2618600	Acenaphthene-d10	9.87

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-(1-methylethyl)-	170	C13H14	002027-17-0	91
2	4a,8a-Methanonaphthalene, 9,9-di...	170	C13H14	038963-97-2	83
3	Ethanone, 1-(1-Naphthalenyl)-	170	C12H10O	000941-98-0	72
4	Ethanone, 1-(5-chloro-2-hydroxyp...	170	C8H7ClO2	001450-74-4	72
5	2-Naphthyl methyl ketone	170	C12H10O	000093-08-3	72





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Misc :
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Instrument : BNA_F
ClientSampleId : JC-01-121317

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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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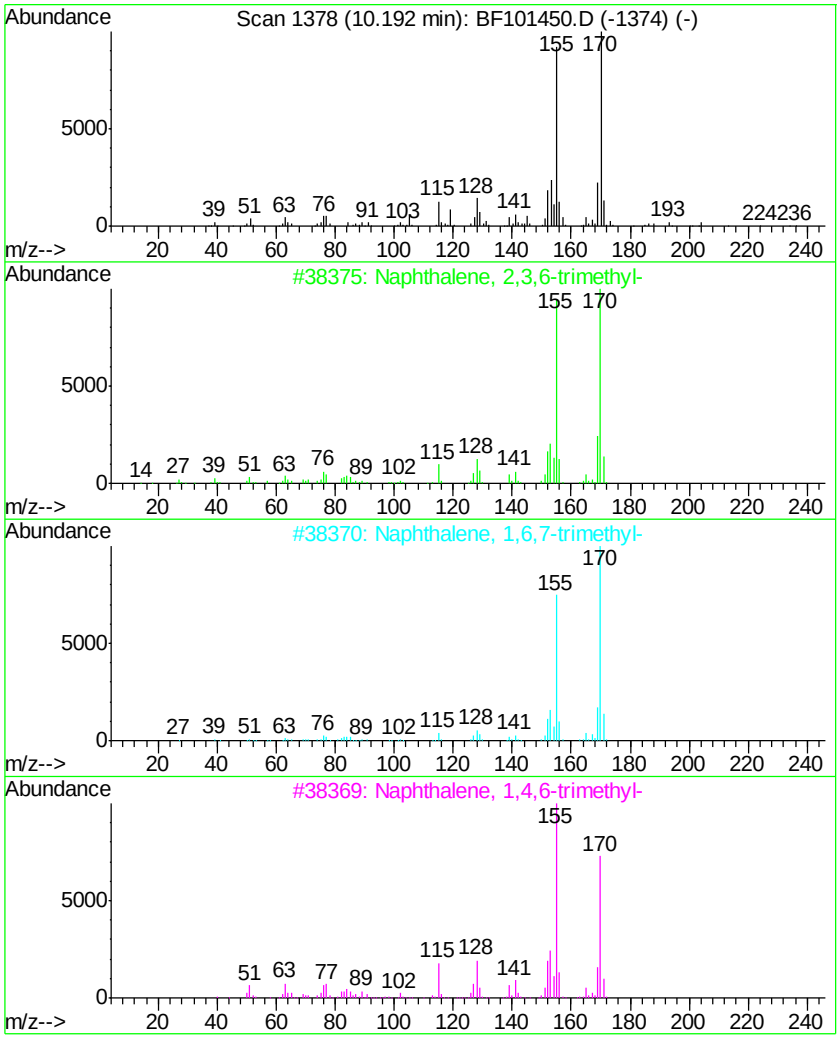
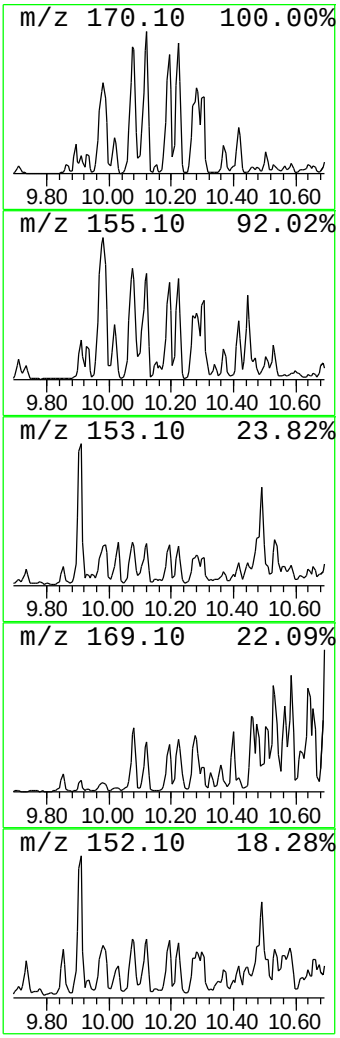
Peak Number 13 Naphthalene, 2,3,6-trimethyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.19	24.29 ng	2747150	Acenaphthene-d10	9.87

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,3,6-trimethyl-	170	C13H14	000829-26-5	98
2	Naphthalene, 1,6,7-trimethyl-	170	C13H14	002245-38-7	97
3	Naphthalene, 1,4,6-trimethyl-	170	C13H14	002131-42-2	96
4	4,6,8-Trimethylazulene	170	C13H14	000941-81-1	94
5	Naphthalene, 1,4,5-trimethyl-	170	C13H14	002131-41-1	93





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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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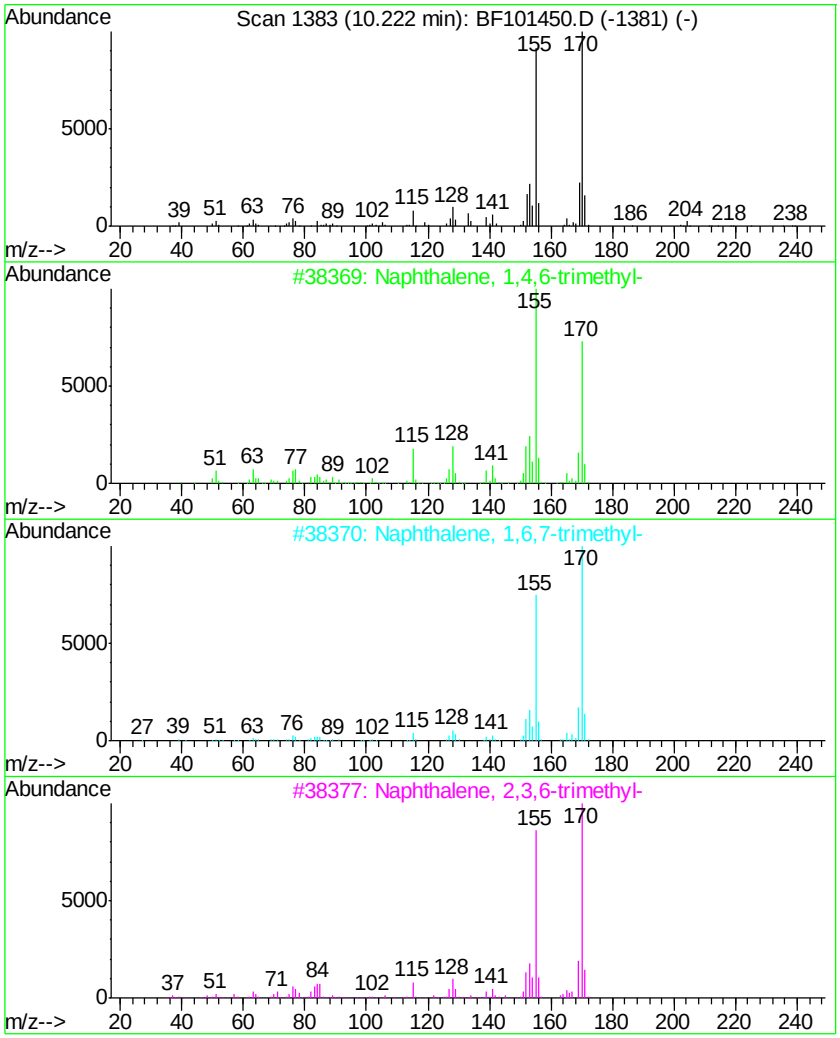
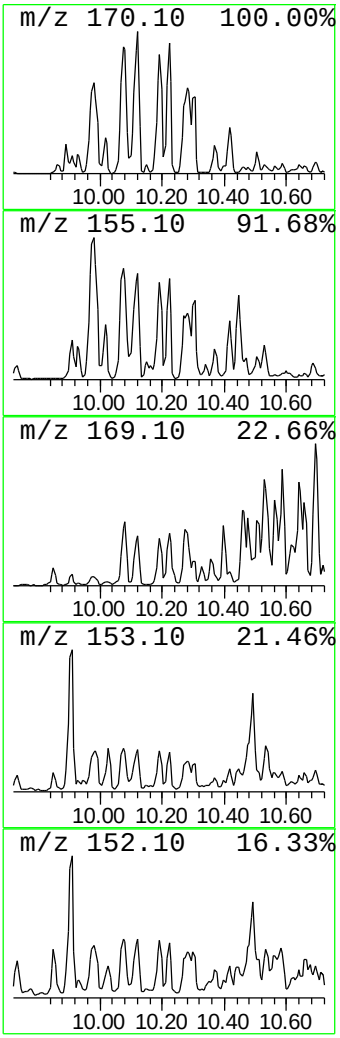
Peak Number 14 Naphthalene, 1,4,6-trimethyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.22	20.85 ng	2358350	Acenaphthene-d10	9.87

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,4,6-trimethyl-	170	C13H14	002131-42-2	97
2	Naphthalene, 1,6,7-trimethyl-	170	C13H14	002245-38-7	94
3	Naphthalene, 2,3,6-trimethyl-	170	C13H14	000829-26-5	94
4	4,6,8-Trimethylazulene	170	C13H14	000941-81-1	91
5	3-(2-Methyl-propenyl)-1H-indene	170	C13H14	1000187-78-5	91





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ClientSampleId : JC-01-121317

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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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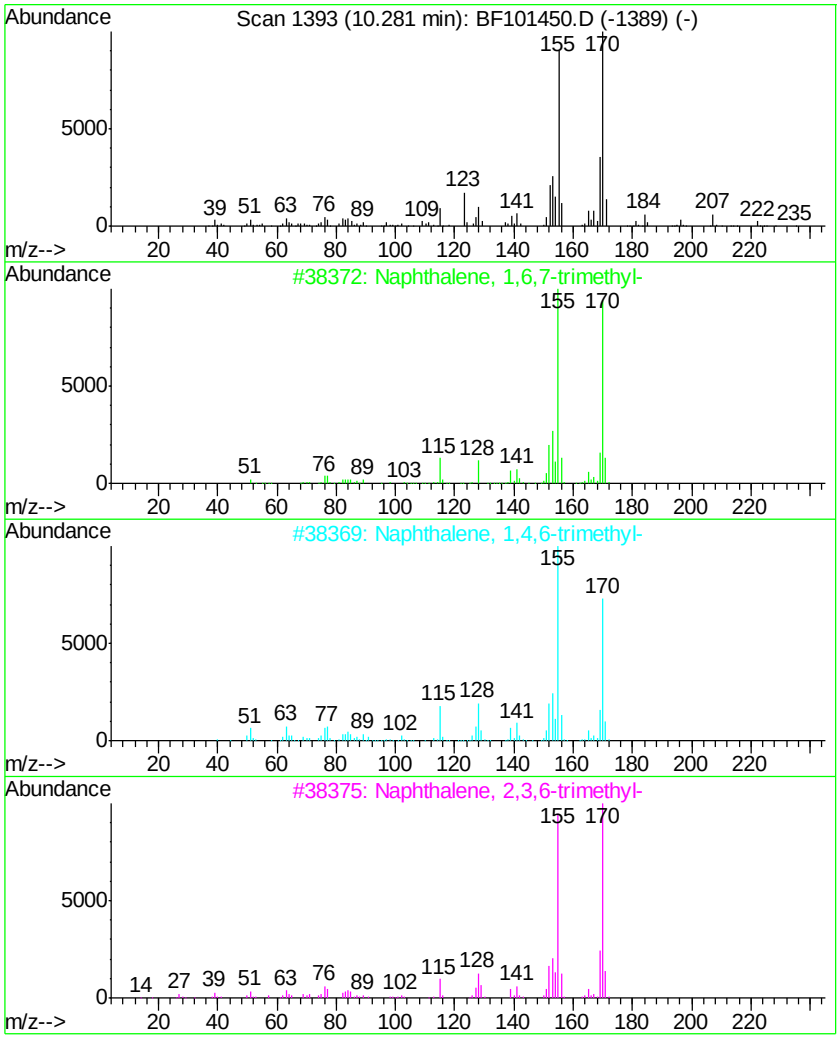
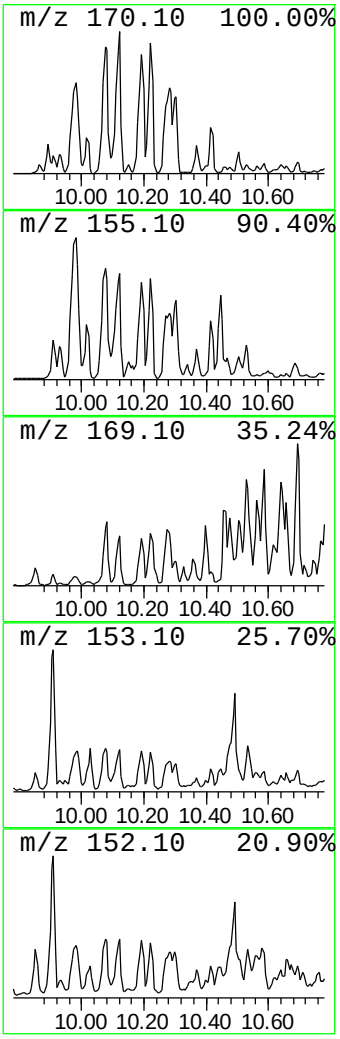
Peak Number 15 Naphthalene, 1,6,7-trimethyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.28	20.99 ng	2374750	Acenaphthene-d10	9.87

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,6,7-trimethyl-	170	C13H14	002245-38-7	96
2	Naphthalene, 1,4,6-trimethyl-	170	C13H14	002131-42-2	93
3	Naphthalene, 2,3,6-trimethyl-	170	C13H14	000829-26-5	93
4	Naphthalene, 1,4,5-trimethyl-	170	C13H14	002131-41-1	91
5	4,6,8-Trimethylazulene	170	C13H14	000941-81-1	90





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

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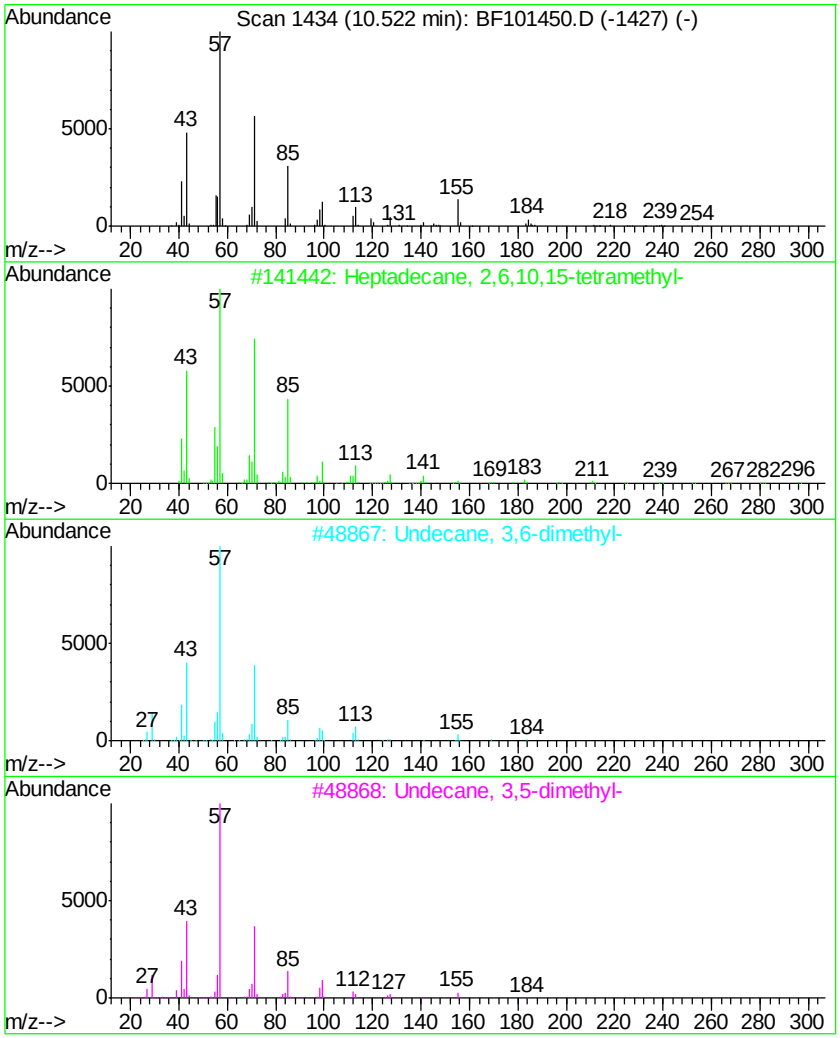
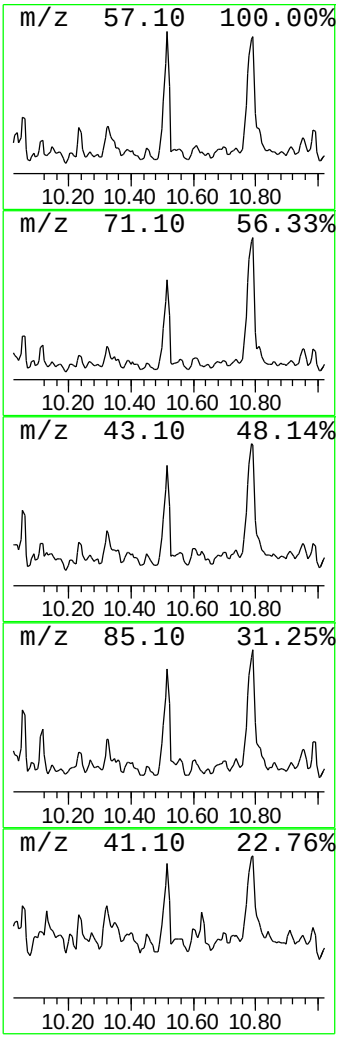
Peak Number 16 Heptadecane, 2,6,10,15-tetr... Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.52	43.05 ng	4869550	Acenaphthene-d10	9.87

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptadecane, 2,6,10,15-tetramethyl-	296	C21H44	054833-48-6	80
2	Undecane, 3,6-dimethyl-	184	C13H28	017301-28-9	80
3	Undecane, 3,5-dimethyl-	184	C13H28	017312-81-1	72
4	Sulfurous acid, 2-ethylhexyl non...	320	C17H36O3S	1000309-19-2	72
5	Dodecane, 2,7,10-trimethyl-	212	C15H32	074645-98-0	72





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Instrument : BNA_F
ClientSampleId : JC-01-121317

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF121417.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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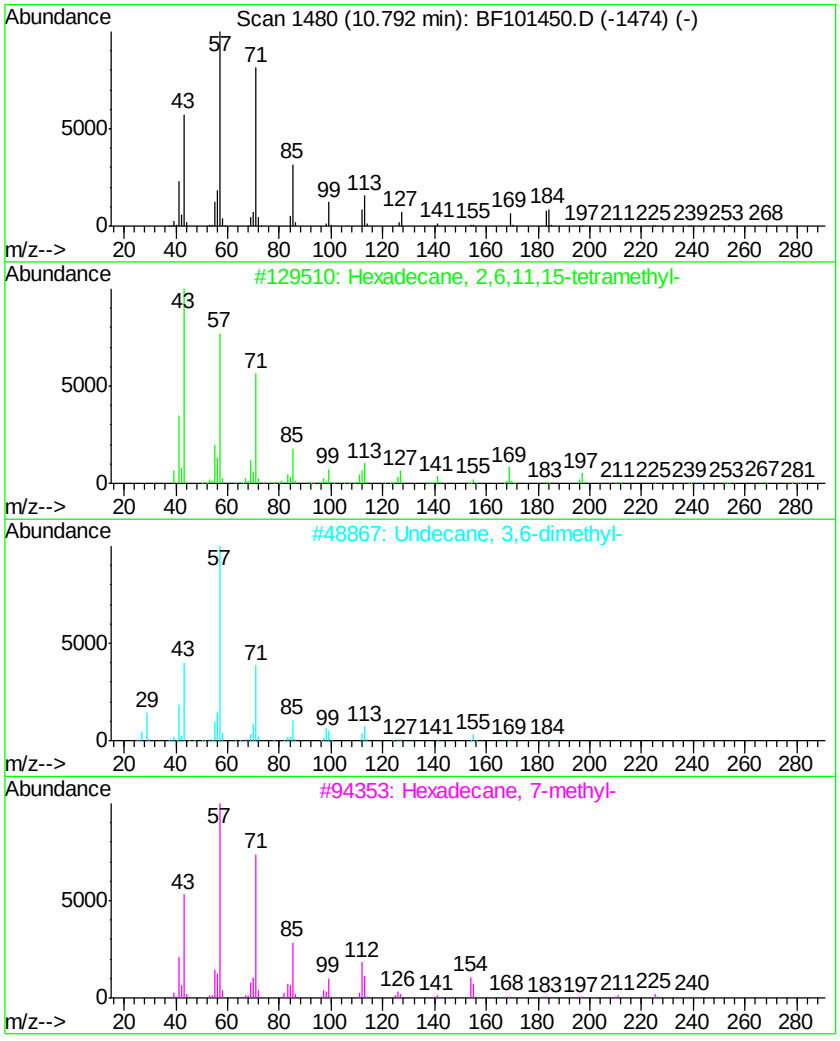
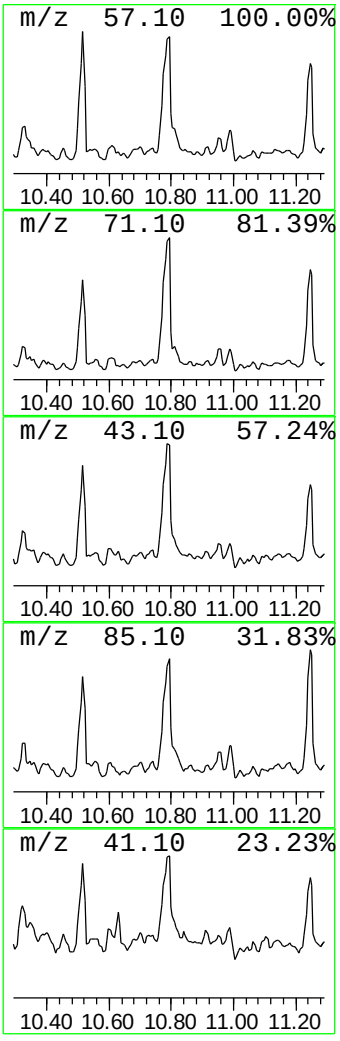
Peak Number 17 Hexadecane, 2,6,11,15-tetra... Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.79	32.78 ng	5601090	Phenanthrene-d10	11.36

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexadecane, 2,6,11,15-tetramethyl-	282	C20H42	000504-44-9	64
2	Undecane, 3,6-dimethyl-	184	C13H28	017301-28-9	59
3	Hexadecane, 7-methyl-	240	C17H36	026730-20-1	59
4	Dodecane, 2,7,10-trimethyl-	212	C15H32	074645-98-0	50
5	Bacchotricuneatin c	342	C20H22O5	066563-30-2	47





Data Path : Z:\HPCHEM1\BNA_F\DATA\BF121517\
Data File : BF101450.D
Acq On : 15 Dec 2017 18:33
Operator : SJ/JU
Sample : I6678-01 2X
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : JC-01-121317

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF121417.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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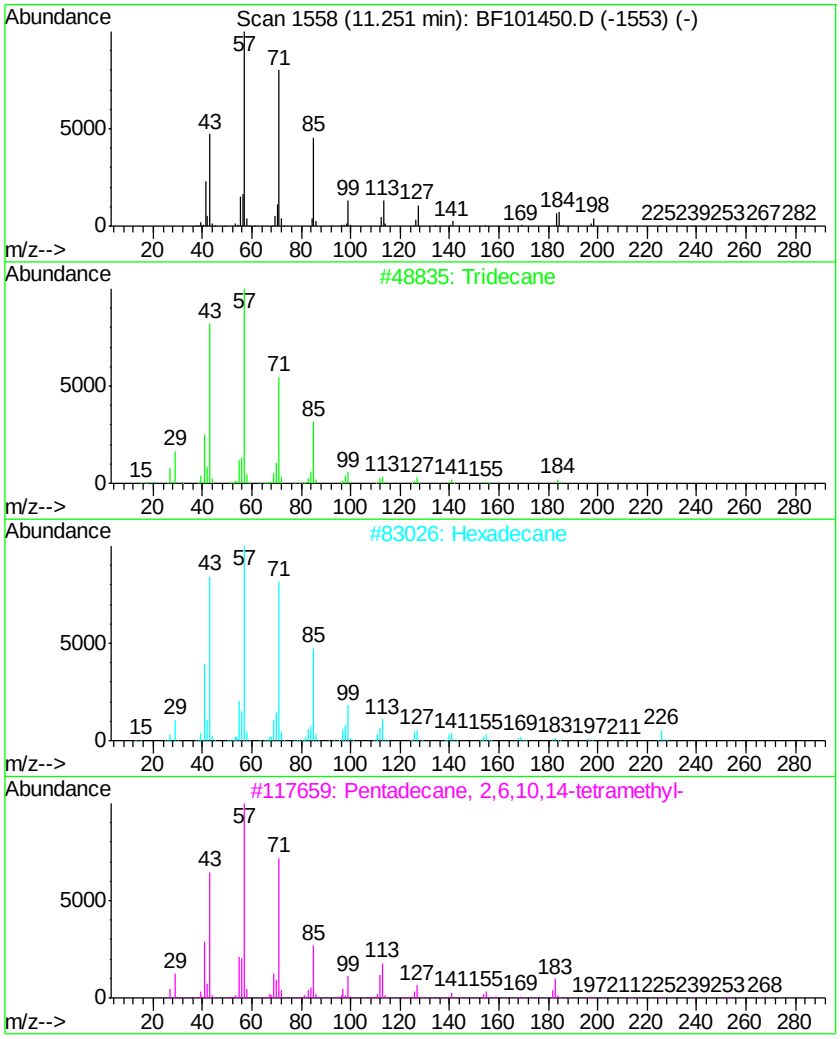
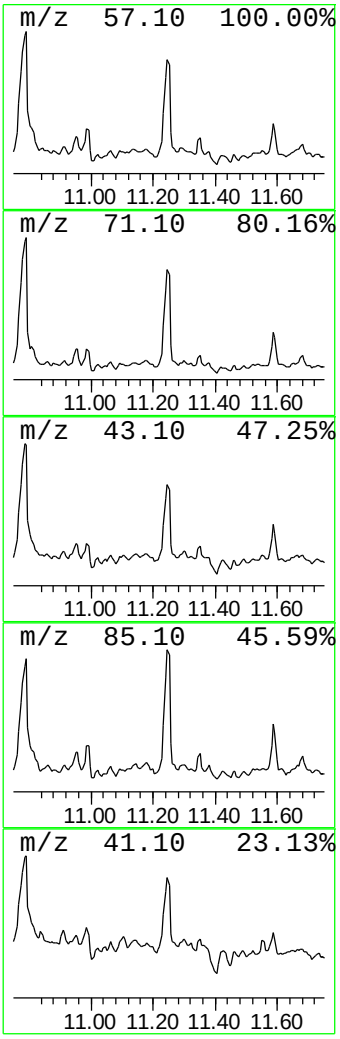
Peak Number 18 Tridecane Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.25	25.73 ng	4395910	Phenanthrene-d10	11.36

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tridecane	184	C13H28	000629-50-5	86
2	Hexadecane	226	C16H34	000544-76-3	78
3	Pentadecane, 2,6,10,14-tetramethyl-	268	C19H40	001921-70-6	74
4	Sulfurous acid, 2-ethylhexyl hex...	278	C14H30O3S	1000309-20-2	72
5	3-Ethyl-3-methylheptane	142	C10H22	017302-01-1	59





Data Path : Z:\HPCHEM1\BNA_F\DATA\BF121517\
Data File : BF101450.D
Acq On : 15 Dec 2017 18:33
Operator : SJ/JU
Sample : I6678-01 2X
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : JC-01-121317

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF121417.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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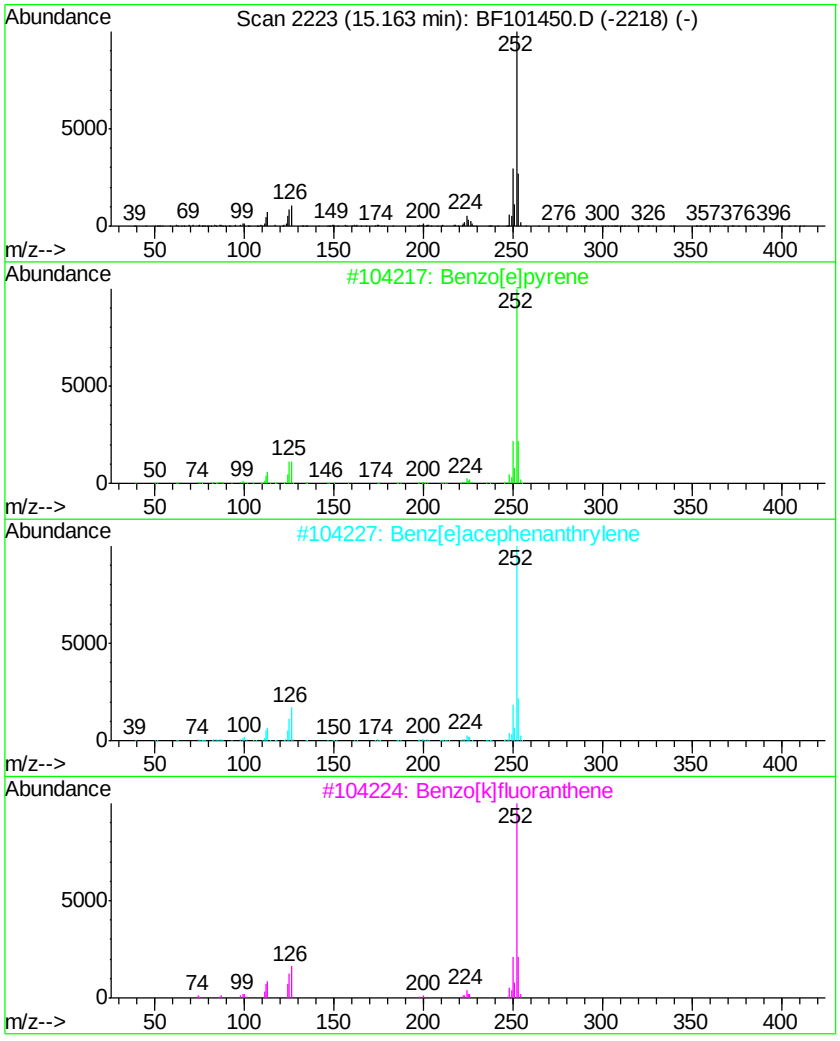
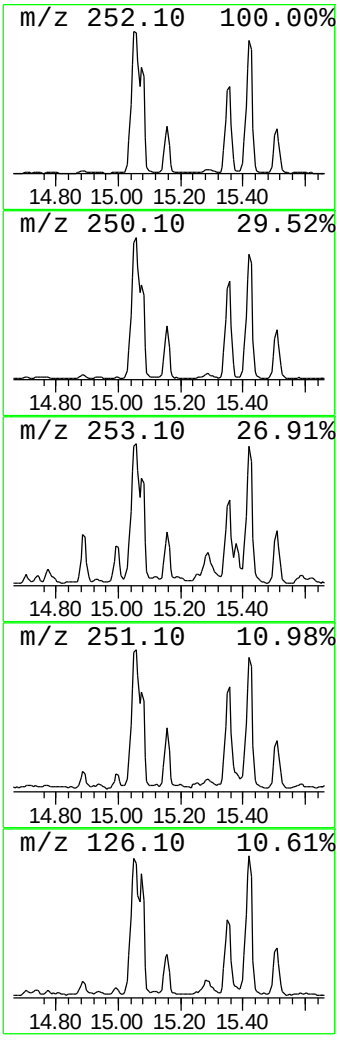
Peak Number 19 Benzo[e]pyrene Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.16	20.66 ng	648822	Perylene-d12	15.47

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	98
2	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	94
3	Benzo[k]fluoranthene	252	C20H12	000207-08-9	93
4	Perylene	252	C20H12	000198-55-0	91
5	Benzo[a]pyrene	252	C20H12	000050-32-8	91





Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF121517\
Data File : BF101450.D
Acq On : 15 Dec 2017 18:33
Operator : SJ/JU
Sample : I6678-01 2X
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : JC-01-121317

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF121417.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
unknown6.59	6.59	21.2	ng	2243610	1	6.82	2114130	20.0
1-Iodo-2-methylun...	7.52	20.5	ng	2651310	2	8.10	2590520	20.0
Benzene, 1-methyl...	7.84	29.1	ng	3767170	2	8.10	2590520	20.0
unknown8.39	8.39	22.8	ng	2952930	2	8.10	2590520	20.0
Decane, 2,6,7-tri...	8.52	27.7	ng	3593430	2	8.10	2590520	20.0
Naphthalene, 1,2,...	8.61	22.6	ng	2920660	2	8.10	2590520	20.0
Naphthalene, 1-me...	8.93	31.8	ng	4116060	2	8.10	2590520	20.0
Nonane, 3,7-dimet...	9.13	30.8	ng	3489050	3	9.87	2262400	20.0
Naphthalene, 1-et...	9.39	19.8	ng	2234650	3	9.87	2262400	20.0
Naphthalene, 1,5-...	9.47	35.6	ng	4022140	3	9.87	2262400	20.0
Naphthalene, 2,3-...	9.54	27.5	ng	3113800	3	9.87	2262400	20.0
Naphthalene, 2-(1...	9.97	23.1	ng	2618600	3	9.87	2262400	20.0
Naphthalene, 2,3,...	10.19	24.3	ng	2747150	3	9.87	2262400	20.0
Naphthalene, 1,4,...	10.22	20.9	ng	2358350	3	9.87	2262400	20.0
Naphthalene, 1,6,...	10.28	21.0	ng	2374750	3	9.87	2262400	20.0
Heptadecane, 2,6,...	10.52	43.0	ng	4869550	3	9.87	2262400	20.0
Hexadecane, 2,6,1...	10.79	32.8	ng	5601090	4	11.36	3417030	20.0
Tridecane	11.25	25.7	ng	4395910	4	11.36	3417030	20.0
Benzo[e]pyrene	15.16	20.7	ng	648822	6	15.47	628179	20.0