LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF021115\
Data File : BF077282.D
Acq On : 12 Feb 2015 11:19
Operator : TP/IZ
Sample : G1280-01 5X
Misc :
ALS Vial : 31 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 1501222551-52-53-COMP

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-BF011415.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	0.955	4	6	20	rBV6	19068	100212	4.69%	0.554%
2	1.344	39	40	51	rBV	112593	242104	11.34%	1.337%
3	5.241	373	381	389	rBV2	13072	55613	2.60%	0.307%
4	6.796	514	517	524	rVB3	7316	21658	1.01%	0.120%
5	7.127	543	546	548	rBV	99381	179548	8.41%	0.992%
6	7.550	579	583	586	rBV	101961	196207	9.19%	1.084%
7	7.665	590	593	596	rVV2	43794	95770	4.49%	0.529%
8	7.825	602	607	608	rBV4	16913	51647	2.42%	0.285%
9	7.870	608	611	612	rBV2	24326	45943	2.15%	0.254%
10	8.007	617	623	625	rBV3	42697	177312	8.30%	0.979%
11	8.945	702	705	709	rVB	18472	40057	1.88%	0.221%
12	9.173	721	725	731	rBV4	24720	58270	2.73%	0.322%
13	9.448	745	749	753	rBV2	13358	39624	1.86%	0.219%
14	9.539	753	757	761	rVV	50342	154983	7.26%	0.856%
15	9.608	761	763	768	rVB	22196	46533	2.18%	0.257%
16	10.465	834	838	842	rBV	139874	229315	10.74%	1.267%
17	10.556	842	846	849	rBV	35733	63717	2.98%	0.352%
18	10.819	864	869	874	rBV3	6934	24307	1.14%	0.134%
19	10.911	874	877	880	rVV	25330	42590	1.99%	0.235%
20	11.528	925	931	935	rBV3	7578	24112	1.13%	0.133%
21	12.259	992	995	997	rBV	18273	28739	1.35%	0.159%
22	12.316	997	1000	1003	rVV2	25006	39104	1.83%	0.216%
23	12.385	1003	1006	1013	rVB5	18062	38827	1.82%	0.214%
24	12.625	1023	1027	1032	rBV5	9428	27873	1.31%	0.154%
25	13.037	1057	1063	1065	rBV3	14679	44847	2.10%	0.248%
26	13.117	1069	1070	1076	rVB3	13410	27676	1.30%	0.153%
27	13.311	1084	1087	1095	rVB2	12095	32527	1.52%	0.180%
28	13.597	1108	1112	1118	rVB3	9332	30750	1.44%	0.170%
29	13.711	1118	1122	1125	rVV	10467	21968	1.03%	0.121%
30	13.837	1129	1133	1137	rVB2	46084	78974	3.70%	0.436%
31	14.214	1159	1166	1169	rBV	10647	25942	1.21%	0.143%
32	14.305	1169	1174	1178	rVV	135605	233815	10.95%	1.292%
33	14.579	1192	1198	1204	rVB2	143392	255250	11.95%	1.410%
34	14.705	1205	1209	1213	rBV	32927	98343	4.61%	0.543%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF021115\
Data File : BF077282.D
Acq On : 12 Feb 2015 11:19
Operator : TP/IZ
Sample : G1280-01 5X
Misc :
ALS Vial : 31 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 1501222551-52-53-COMP

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-BF011415.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	14.911	1222	1227	1229	rBV5	9599	30196	1.41%	0.167%
36	14.945	1229	1230	1233	rVV	12894	21968	1.03%	0.121%
37	15.025	1233	1237	1239	rVV	9474	24036	1.13%	0.133%
38	15.357	1260	1266	1274	rVB4	11373	35791	1.68%	0.198%
39	15.848	1306	1309	1314	rBV	12788	26404	1.24%	0.146%
40	16.397	1354	1357	1364	rVB5	10408	33074	1.55%	0.183%
41	16.523	1364	1368	1370	rBV	43123	71723	3.36%	0.396%
42	16.568	1370	1372	1374	rVV	13810	21814	1.02%	0.121%
43	16.614	1374	1376	1378	rVV	19473	23693	1.11%	0.131%
44	16.671	1378	1381	1385	rVB3	16028	30991	1.45%	0.171%
45	16.854	1394	1397	1401	rBV3	22958	57849	2.71%	0.320%
46	16.945	1401	1405	1407	rVV	426940	709711	33.24%	3.921%
47	16.980	1407	1408	1414	rVB2	28247	53706	2.52%	0.297%
48	17.174	1420	1425	1429	rBV	38293	62565	2.93%	0.346%
49	17.254	1429	1432	1434	rVV	37559	73833	3.46%	0.408%
50	17.346	1437	1440	1446	rVV	128145	285490	13.37%	1.577%
51	17.437	1446	1448	1449	rVV2	23775	35262	1.65%	0.195%
52	17.506	1452	1454	1456	rVV	257026	418418	19.60%	2.311%
53	17.563	1456	1459	1467	rVB	868109	1260502	59.03%	6.963%
54	17.860	1483	1485	1487	rVB	28037	32269	1.51%	0.178%
55	17.917	1487	1490	1495	rBV5	22483	52454	2.46%	0.290%
56	18.008	1495	1498	1500	rBV	356134	448071	20.98%	2.475%
57	18.043	1500	1501	1504	rVB4	14685	23127	1.08%	0.128%
58	18.100	1504	1506	1508	rBV3	30092	43848	2.05%	0.242%
59	18.134	1508	1509	1511	rVV	48450	56718	2.66%	0.313%
60	18.237	1511	1518	1520	rVB	248984	519567	24.33%	2.870%
61	18.306	1520	1524	1525	rBV3	26581	40795	1.91%	0.225%
62	18.351	1525	1528	1529	rBV	34081	38198	1.79%	0.211%
63	18.420	1529	1534	1539	rBV	1099301	1552880	72.73%	8.578%
64	18.500	1539	1541	1546	rVB2	52238	96925	4.54%	0.535%
65	18.728	1559	1561	1565	rVB	74565	104855	4.91%	0.579%
66	18.797	1565	1567	1570	rBV2	38176	54026	2.53%	0.298%
67	18.866	1570	1573	1574	rBV	56171	74408	3.48%	0.411%
68	18.900	1574	1576	1579	rVV	718515	997070	46.70%	5.508%
69	18.957	1579	1581	1591	rVB	1731748	2135260	100.00%	11.795%
70	19.106	1591	1594	1595	rBV2	22039	28140	1.32%	0.155%
71	19.163	1596	1599	1602	rVB	83768	154237	7.22%	0.852%

LSC Area Percent Report

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Data File : BF077282.D
Acq On : 12 Feb 2015 11:19
Operator : TP/IZ
Sample : G1280-01 5X
Misc :
ALS Vial : 31 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 1501222551-52-53-COMP

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-BF011415.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

72	19.300	1609	1611	1614	rBV4	55196	108721	5.09%	0.601%
73	19.380	1615	1618	1622	rVB2	249088	335640	15.72%	1.854%
74	19.460	1622	1625	1629	rVB	92966	165804	7.77%	0.916%
75	19.574	1629	1635	1636	rBV3	24304	83812	3.93%	0.463%
76	19.666	1640	1643	1647	rVB5	28958	75227	3.52%	0.416%
77	19.734	1647	1649	1650	rBV	19637	25056	1.17%	0.138%
78	19.803	1652	1655	1657	rBV	162088	229707	10.76%	1.269%
79	19.849	1657	1659	1661	rBV	24475	34854	1.63%	0.193%
80	19.929	1663	1666	1668	rBV3	33887	72100	3.38%	0.398%
81	20.009	1668	1673	1675	rBV	128825	260077	12.18%	1.437%
82	20.169	1685	1687	1688	rVB2	28123	33497	1.57%	0.185%
83	20.226	1688	1692	1695	rBV2	138816	250565	11.73%	1.384%
84	20.294	1695	1698	1700	rVV3	45579	106798	5.00%	0.590%
85	20.386	1704	1706	1708	rVV	161561	256148	12.00%	1.415%
86	20.443	1708	1711	1718	rVV7	118747	463879	21.72%	2.563%
87	20.557	1718	1721	1726	rVV	725168	1155865	54.13%	6.385%
88	20.637	1726	1728	1732	rVB5	41507	71768	3.36%	0.396%
89	20.774	1738	1740	1744	rVB4	26977	62154	2.91%	0.343%
90	20.854	1744	1747	1748	rBV3	86166	173870	8.14%	0.960%
91	20.889	1748	1750	1754	rVV	453136	677846	31.75%	3.744%
92	20.992	1757	1759	1762	rVB	232332	287207	13.45%	1.587%
93	21.163	1767	1774	1775	rBV7	30767	110345	5.17%	0.610%
94	21.197	1775	1777	1782	rVB6	35072	77680	3.64%	0.429%
95	21.369	1790	1792	1794	rVB3	33244	51144	2.40%	0.283%
96	21.792	1827	1829	1833	rVB4	22266	35930	1.68%	0.198%
97	22.546	1893	1895	1896	rBV	21875	34048	1.59%	0.188%
98	22.660	1903	1905	1908	rBV	183347	258690	12.12%	1.429%

Sum of corrected areas: 18102463

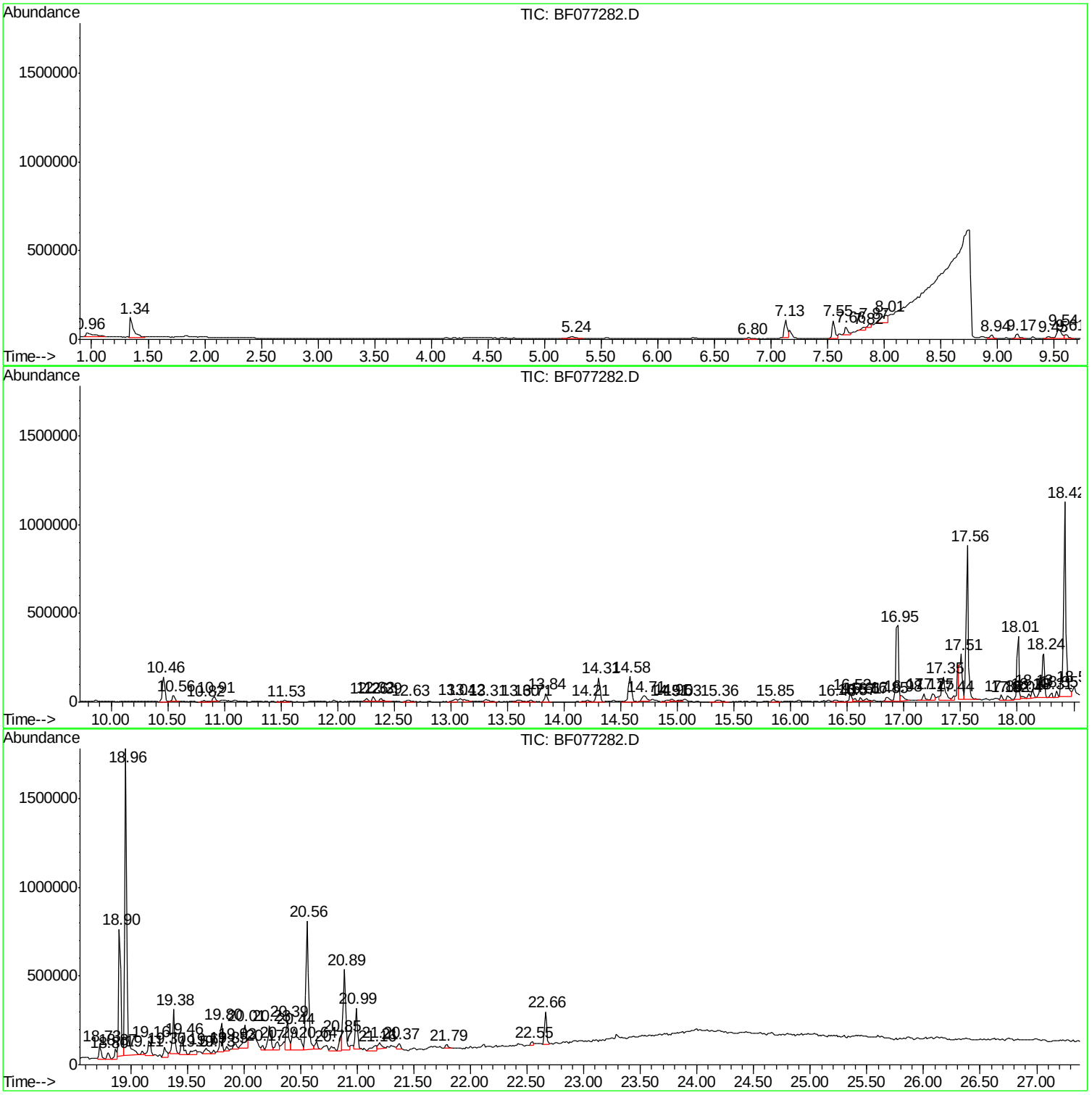
LSC Report - Integrated Chromatogram

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF021115\
Data File : BF077282.D
Acq On : 12 Feb 2015 11:19
Operator : TP/IZ
Sample : G1280-01 5X
Misc :
ALS Vial : 31 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
1501222551-52-53-COMP

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF011415.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF021115\
Data File : BF077282.D
Acq On : 12 Feb 2015 11:19
Operator : TP/IZ
Sample : G1280-01 5X
Misc :
ALS Vial : 31 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
1501222551-52-53-COMP

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF011415.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

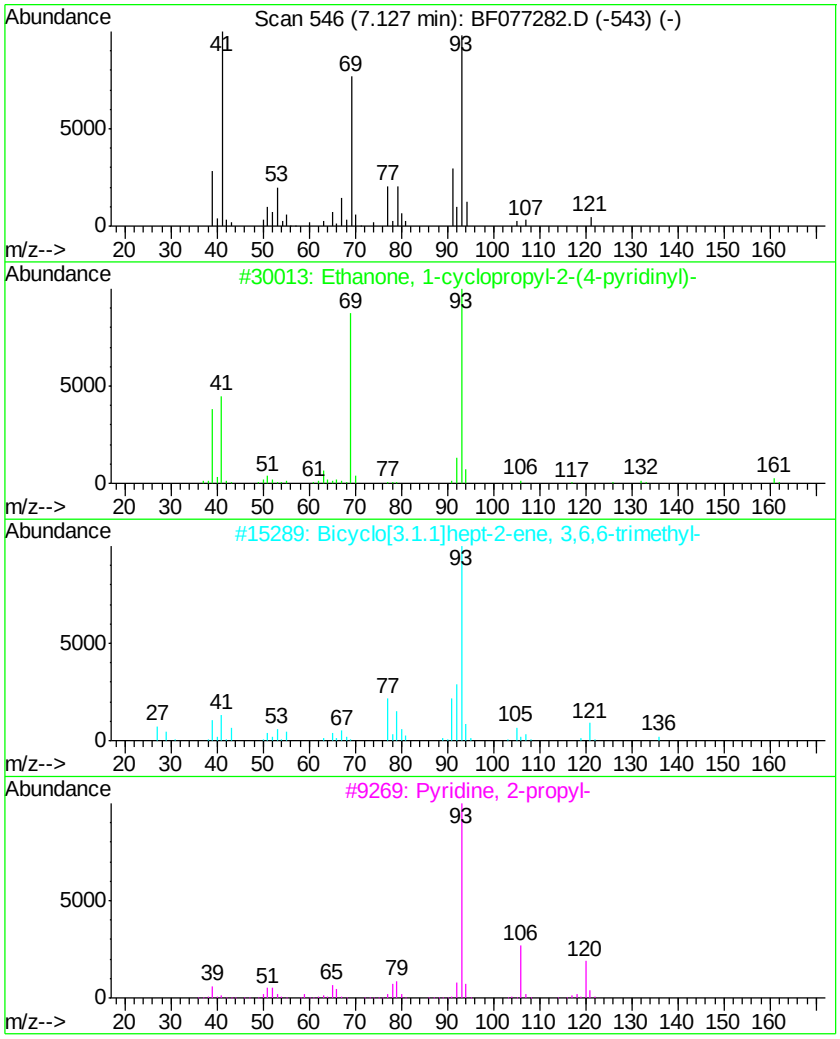
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

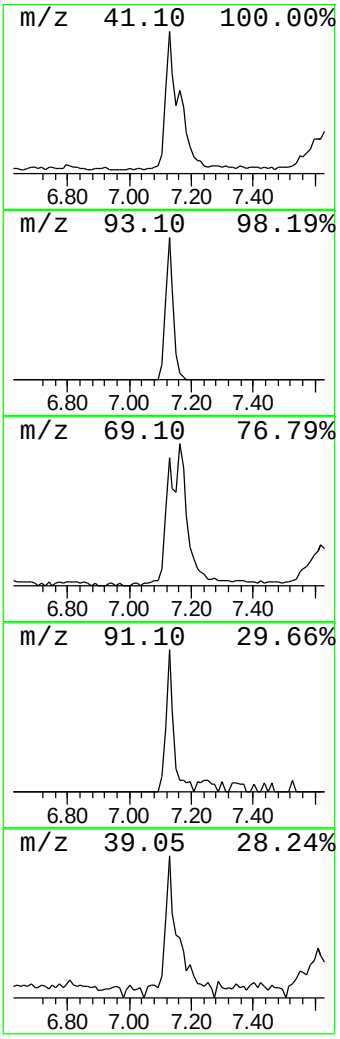
****

Peak Number 2 Ethanone, 1-cyclopropyl-2-(... Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.13	18.30 ng	179548	1,4-Dichlorobenzene-d4	7.55

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Ethanone, 1-cyclopropyl-2-(4-pyr...	161	C10H11NO	006580-95-6	50
2	Bicyclo[3.1.1]hept-2-ene, 3,6,6-...	136	C10H16	004889-83-2	32
3	Pyridine, 2-propyl-	121	C8H11N	000622-39-9	27
4	3-Methyl-6-hepten-1-yn-3-ol	124	C8H12O	051193-99-8	25
5	2-Pyridineethanamine	122	C7H10N2	002706-56-1	25





Data Path : Z:\HPCHEM1\BNA_F\DATA\BF021115\
Data File : BF077282.D
Acq On : 12 Feb 2015 11:19
Operator : TP/IZ
Sample : G1280-01 5X
Misc :
ALS Vial : 31 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 1501222551-52-53-COMP

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF011415.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

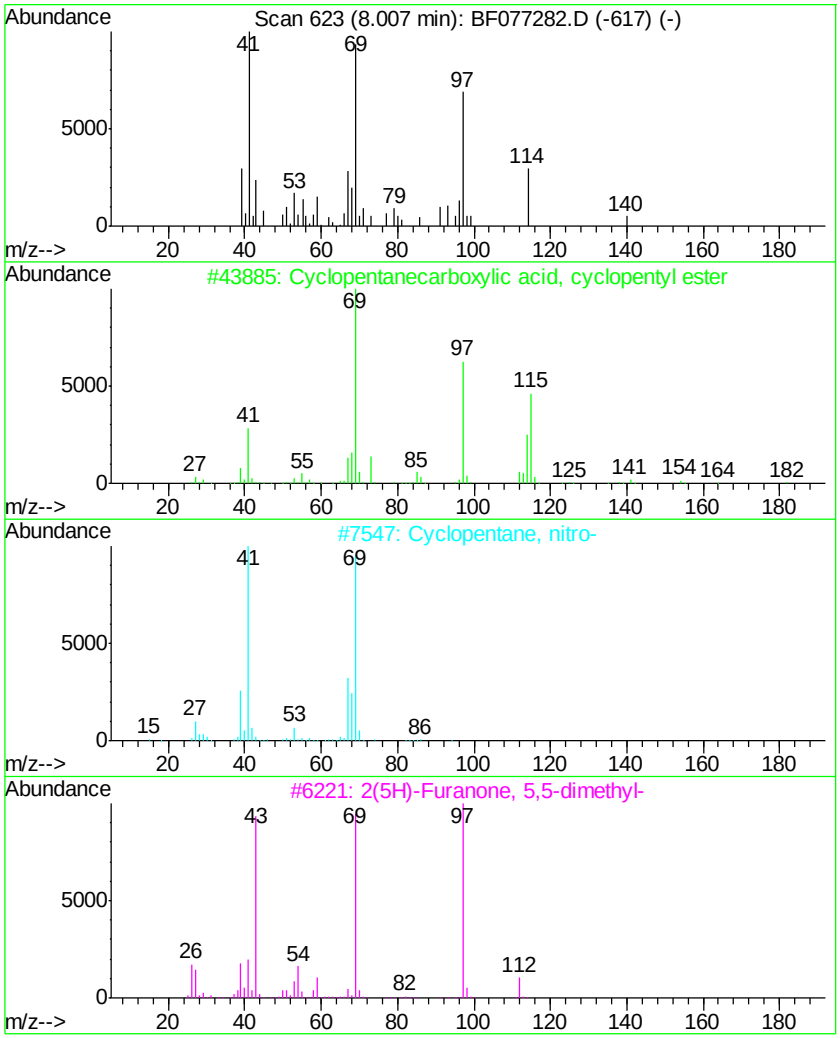
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

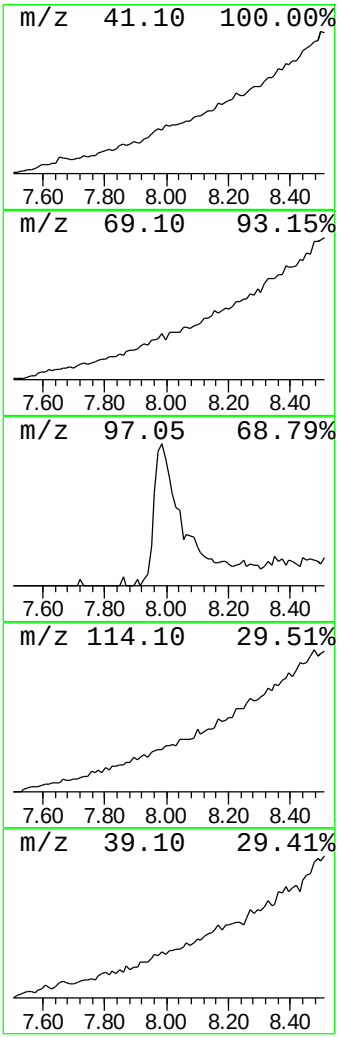
****

Peak Number 3 Cyclopentanecarboxylic acid... Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.01	18.07 ng	177312	1,4-Dichlorobenzene-d4	7.55

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentanecarboxylic acid, cyc...	182	C11H18O2	1000282-58-8	50
2	Cyclopentane, nitro-	115	C5H9NO2	002562-38-1	43
3	2(5H)-Furanone, 5,5-dimethyl-	112	C6H8O2	020019-64-1	40
4	1,2-Cyclohexanediol, cyclic sulf...	162	C6H10O3S	019456-19-0	40
5	Trifluoroacetic acid, 1-cyclohex...	210	C9H13F3O2	1000245-83-0	40





Data Path : Z:\HPCHEM1\BNA_F\DATA\BF021115\
Data File : BF077282.D
Acq On : 12 Feb 2015 11:19
Operator : TP/IZ
Sample : G1280-01 5X
Misc :
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Instrument : BNA_F
ClientSampleId : 1501222551-52-53-COMP

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF011415.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

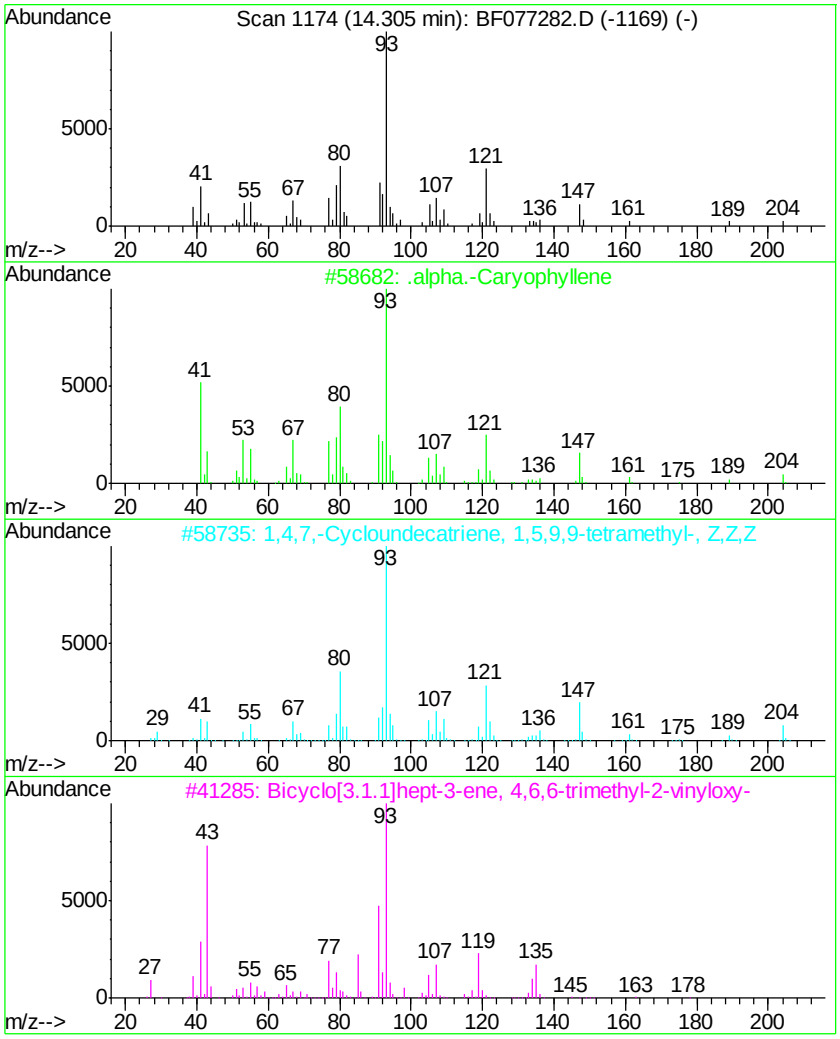
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

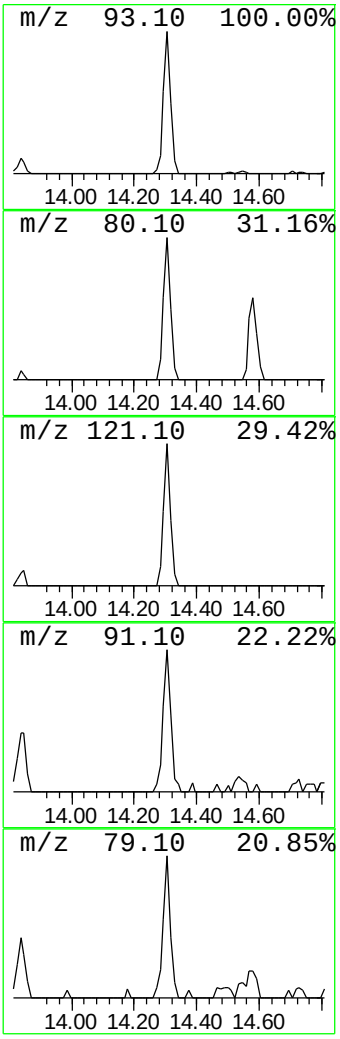
****

Peak Number 4 .alpha.-Caryophyllene Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.31	18.32 ng	233815	Acenaphthene-d10	14.58

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	.alpha.-Caryophyllene	204	C15H24	006753-98-6	96
2	1,4,7,-Cycloundecatriene, 1,5,9,...	204	C15H24	1000062-61-9	52
3	Bicyclo[3.1.1]hept-3-ene, 4,6,6-...	178	C12H18O	1000163-23-1	50
4	1,3,6-Octatriene, 3,7-dimethyl-,...	136	C10H16	003338-55-4	49
5	Pyridine, 2-butyl-	135	C9H13N	005058-19-5	47





Data Path : Z:\HPCHEM1\BNA_F\DATA\BF021115\
Data File : BF077282.D
Acq On : 12 Feb 2015 11:19
Operator : TP/IZ
Sample : G1280-01 5X
Misc :
ALS Vial : 31 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
1501222551-52-53-COMP

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF011415.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

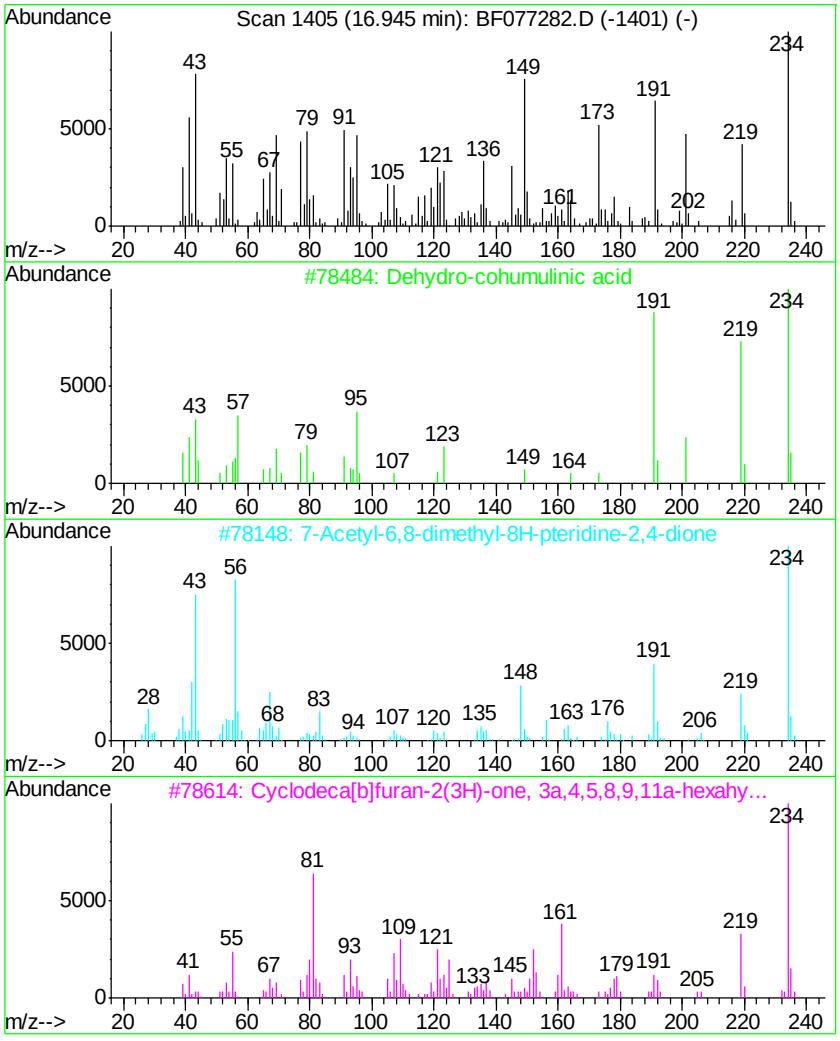
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

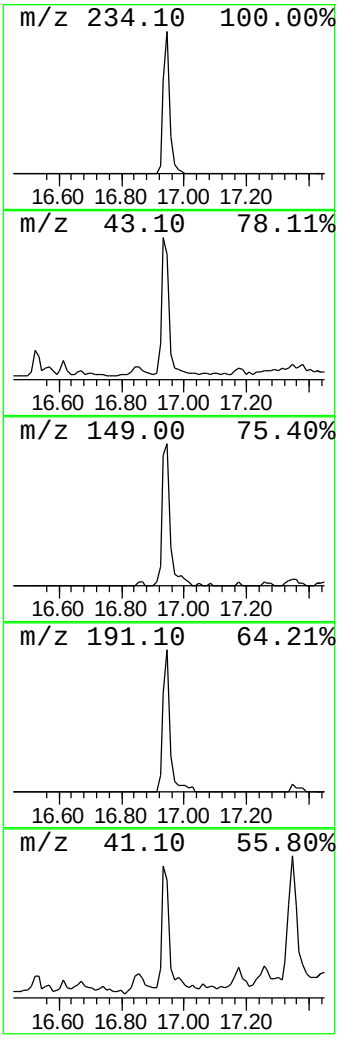
****

Peak Number 5 unknown16.95 Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.95	33.92 ng	709711	Phenanthrene-d10	17.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dehydro-cohumulinic acid	234	C14H18O3	1000041-27-1	35
2	7-Acetyl-6,8-dimethyl-8H-pteridi...	234	C10H10N4O3	1000193-96-8	35
3	Cyclodeca[b]furan-2(3H)-one, 3a,...	234	C15H22O2	002225-79-8	18
4	2,4-Diamino-5,6,7,8-tetrahydro-6...	234	C11H14N4S	042159-83-1	18
5	7,8-Dimethoxy-5-nitroisoquinoline	234	C11H10N2O4	1000213-88-3	15





Data Path : Z:\HPCHEM1\BNA_F\DATA\BF021115\
Data File : BF077282.D
Acq On : 12 Feb 2015 11:19
Operator : TP/IZ
Sample : G1280-01 5X
Misc :
ALS Vial : 31 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 1501222551-52-53-COMP

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF011415.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

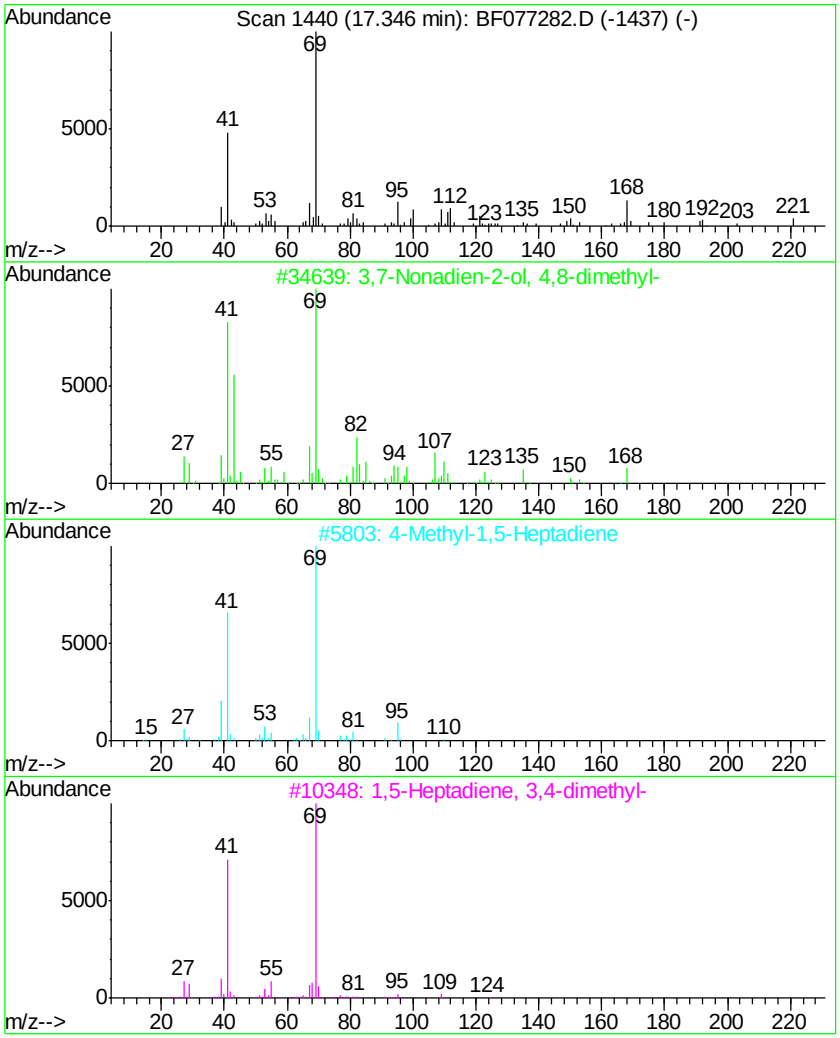
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

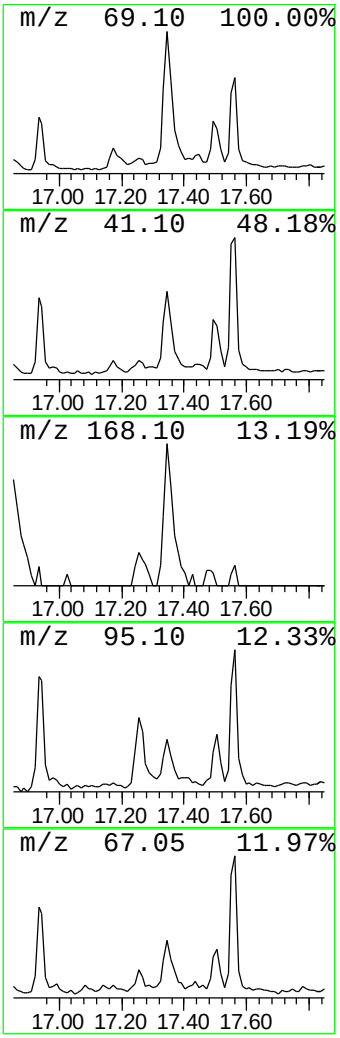
****

Peak Number 6 3,7-Nonadien-2-ol, 4,8-dime... Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.35	13.65 ng	285490	Phenanthrene-d10	17.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3,7-Nonadien-2-ol, 4,8-dimethyl-	168	C11H20O	067845-50-5	64
2	4-Methyl-1,5-Heptadiene	110	C8H14	000998-94-7	50
3	1,5-Heptadiene, 3,4-dimethyl-	124	C9H16	1000061-77-9	50
4	Neric acid	168	C10H16O2	004613-38-1	50
5	Pentane, 1,5-dibromo-	228	C5H10Br2	000111-24-0	50





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Data File : BF077282.D
Acq On : 12 Feb 2015 11:19
Operator : TP/IZ
Sample : G1280-01 5X
Misc :
ALS Vial : 31 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
1501222551-52-53-COMP

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF011415.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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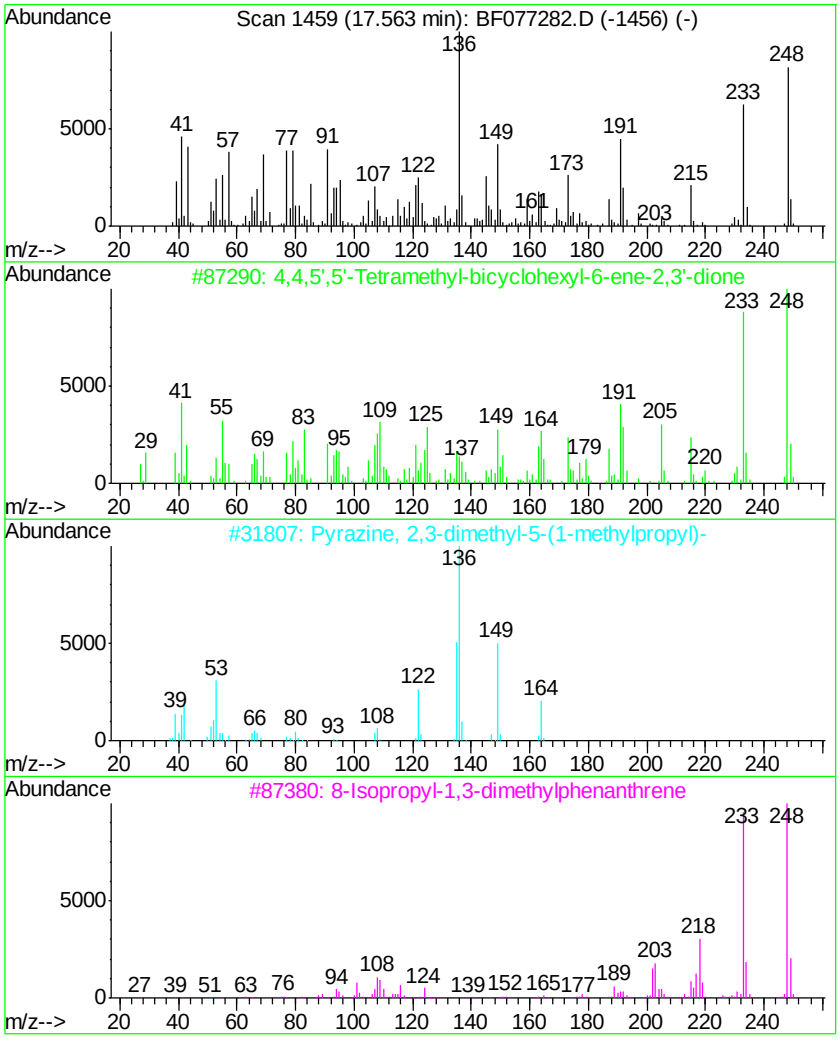
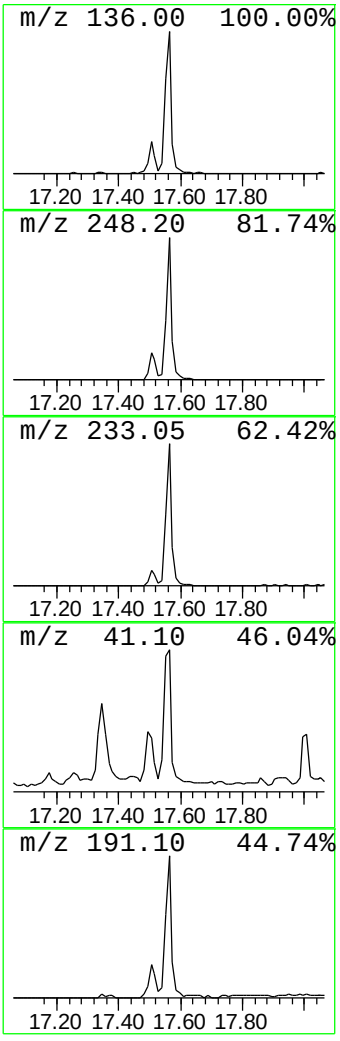
Peak Number 7 4,4,5',5'-Tetramethyl-bicyc... Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.56	60.25 ng	1260500	Phenanthrene-d10	17.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4,4,5',5'-Tetramethyl-bicyclohex...	248	C16H24O2	010517-07-4	60
2	Pyrazine, 2,3-dimethyl-5-(1-meth...	164	C10H16N2	032263-00-6	35
3	8-Isopropyl-1,3-dimethylphenanth...	248	C19H20	135886-06-5	30
4	1,4-Naphthoquinone, 6-acetyl-2,5...	248	C12H8O6	013378-89-7	30
5	Allomatrine	248	C15H24N2O	006783-60-4	25





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Sample : G1280-01 5X
Misc :
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Instrument : BNA_F
ClientSampleId : 1501222551-52-53-COMP

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF011415.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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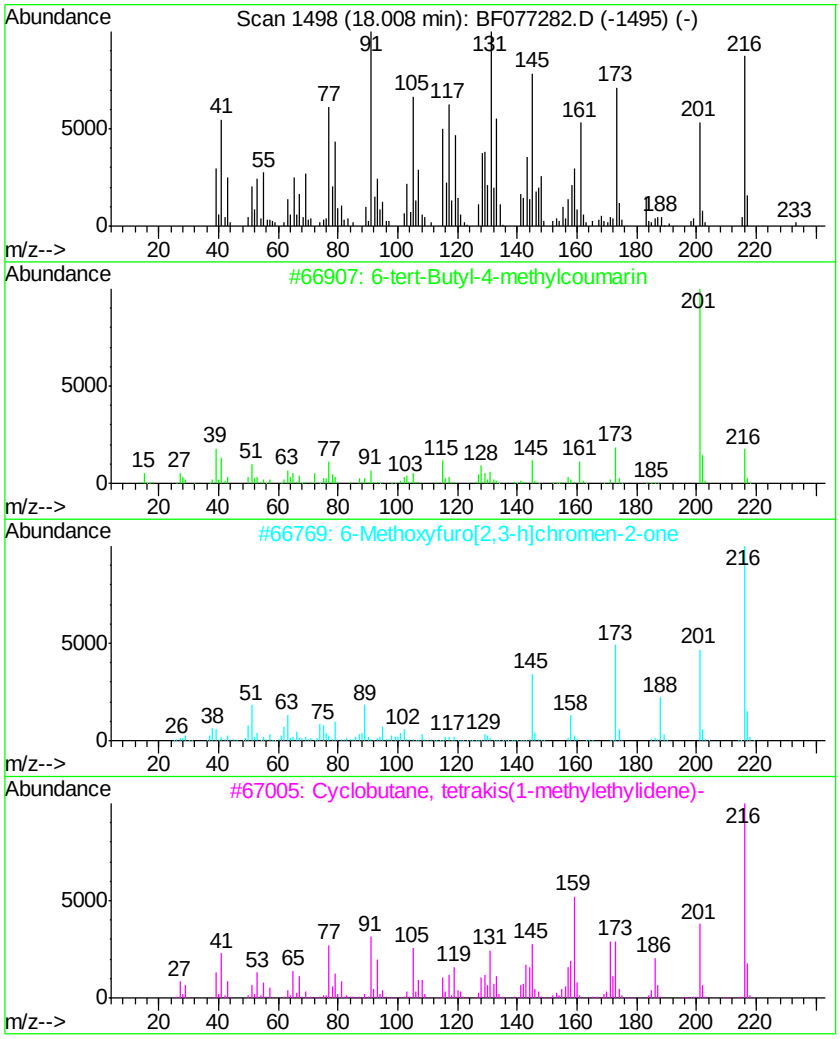
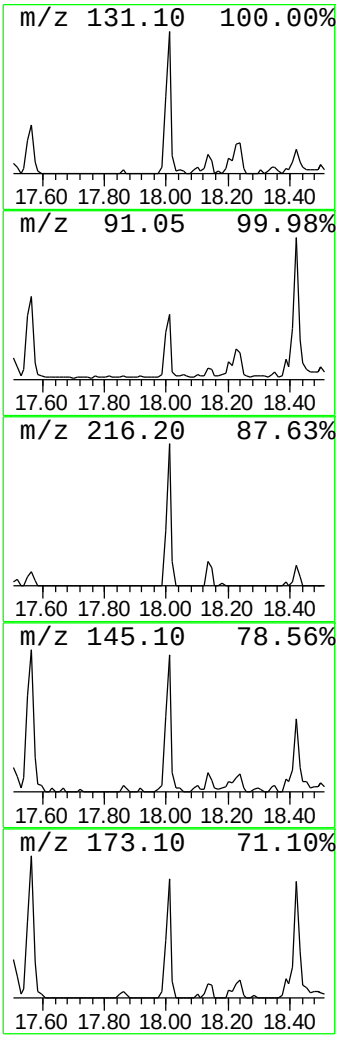
Peak Number 8 unknown18.01 Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.01	21.42 ng	448071	Phenanthrene-d10	17.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	6-tert-Butyl-4-methylcoumarin	216	C14H16O2	017874-32-7	46
2	6-Methoxyfuro[2,3-h]chromen-2-one	216	C12H8O4	000483-66-9	38
3	Cyclobutane, tetrakis(1-methylet...	216	C16H24	088919-66-8	35
4	Benzofuro[3,2-d]pyrimidin-4(3H)-...	216	C11H8N2O3	329210-45-9	35
5	Silane, (4-ethenylphenyl)trimethyl-	176	C11H16Si	001009-43-4	35





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Sample : G1280-01 5X
Misc :
ALS Vial : 31 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 1501222551-52-53-COMP

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF011415.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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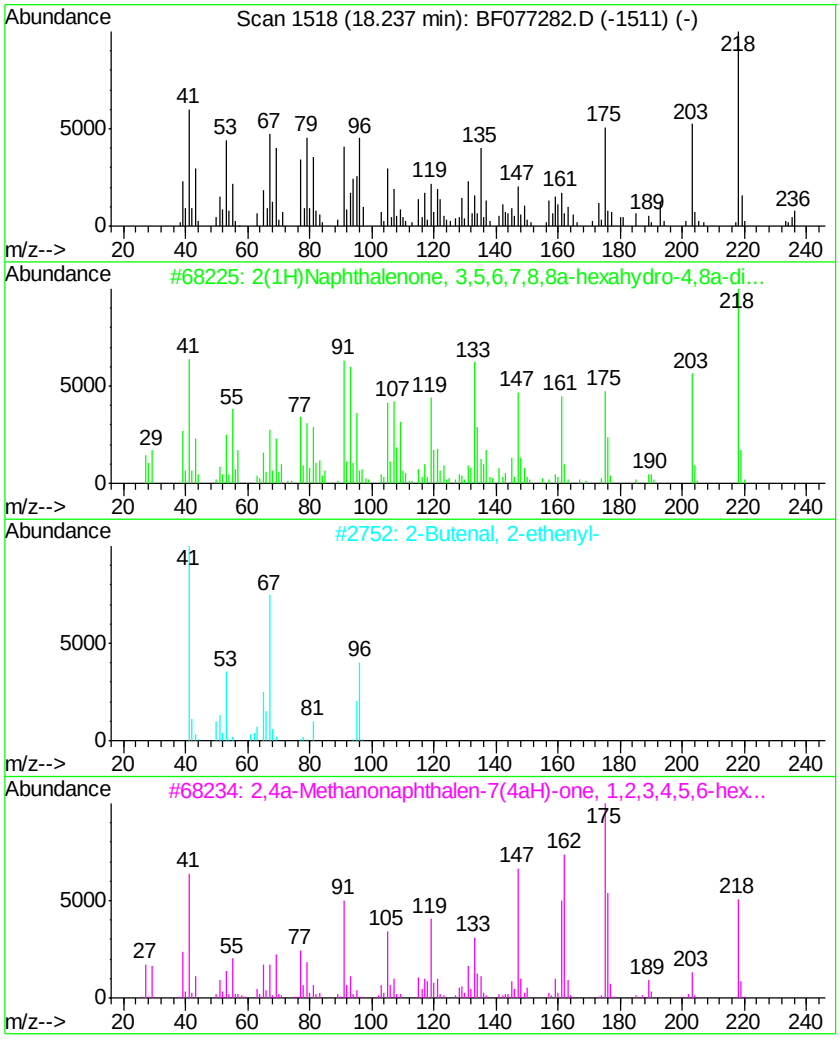
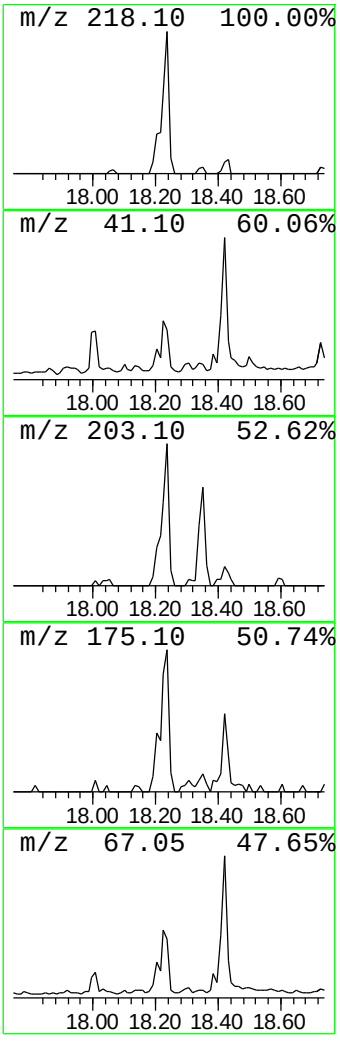
Peak Number 9 unknown18.24 Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.24	24.83 ng	519567	Phenanthrene-d10	17.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2(1H)Naphthalenone, 3,5,6,7,8,8a...	218	C15H22O	1000188-66-5	27
2	2-Butenal, 2-ethenyl-	96	C6H8O	020521-42-0	27
3	2,4a-Methanonaphthalen-7(4aH)-on...	218	C15H22O	026839-52-1	25
4	Furazan-3-carboxamidine, 4-amino...	218	C9H10N6O	309741-77-3	25
5	Longipinene epoxide	220	C15H24O	142792-93-6	22





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Acq On : 12 Feb 2015 11:19
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Sample : G1280-01 5X
Misc :
ALS Vial : 31 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
1501222551-52-53-COMP

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF011415.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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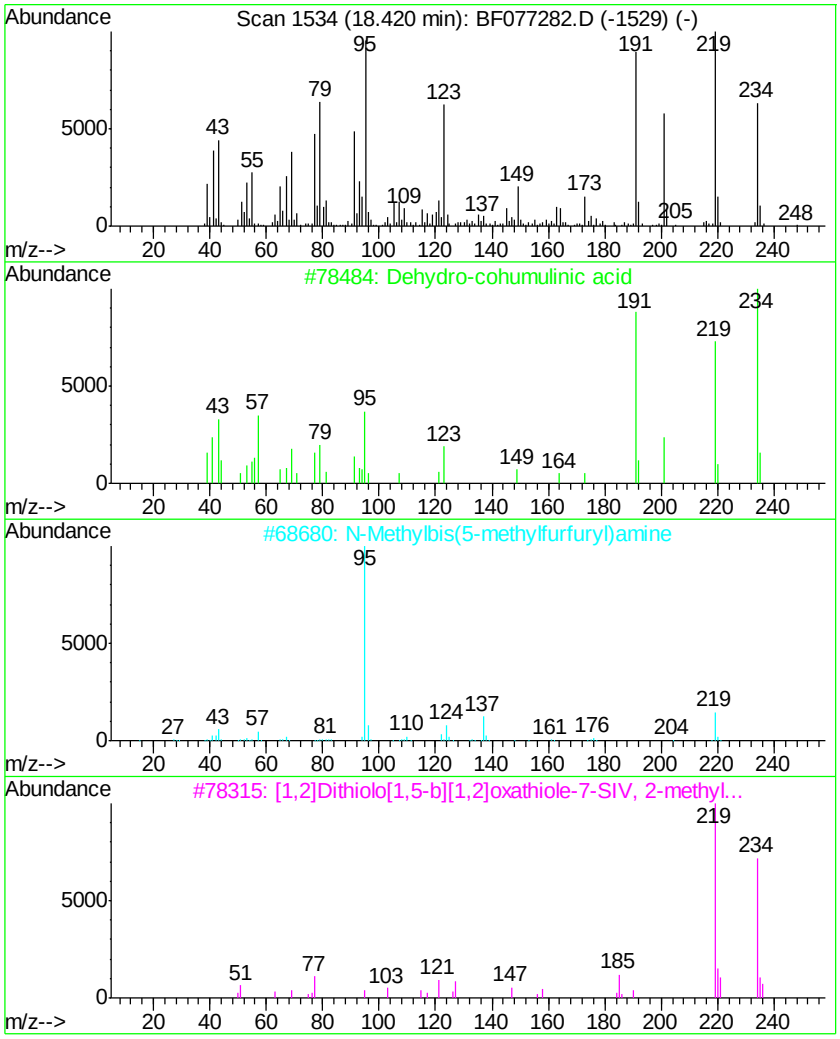
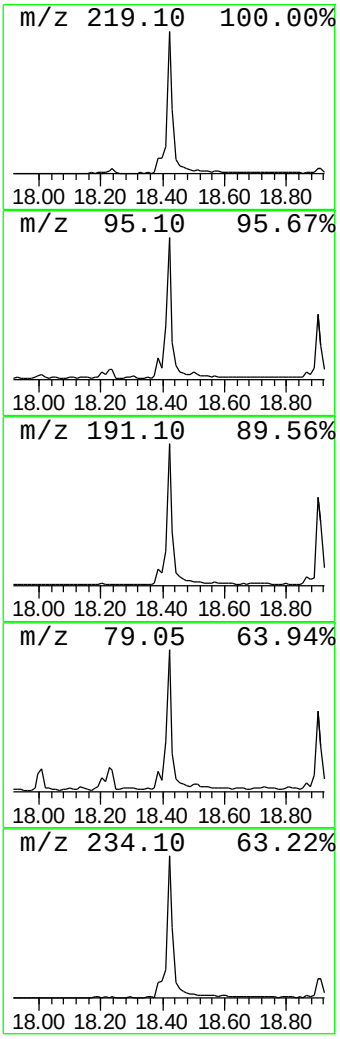
Peak Number 10 Dehydro-cohumulinic acid Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.42	74.23 ng	1552880	Phenanthrene-d10	17.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dehydro-cohumulinic acid	234	C14H18O3	1000041-27-1	53
2	N-Methylbis(5-methylfurfuryl)amine	219	C13H17NO2	109843-37-0	27
3	[1,2]Dithiolo[1,5-b][1,2]oxathio...	234	C12H10OS2	074810-14-3	25
4	Phenanthrene, 1-methyl-7-(1-meth...	234	C18H18	000483-65-8	25
5	Ethanone, 1-(4,6-dihydroxy-2,3,5...	234	C13H14O4	021987-07-5	25





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Acq On : 12 Feb 2015 11:19
Operator : TP/IZ
Sample : G1280-01 5X
Misc :
ALS Vial : 31 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 1501222551-52-53-COMP

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF011415.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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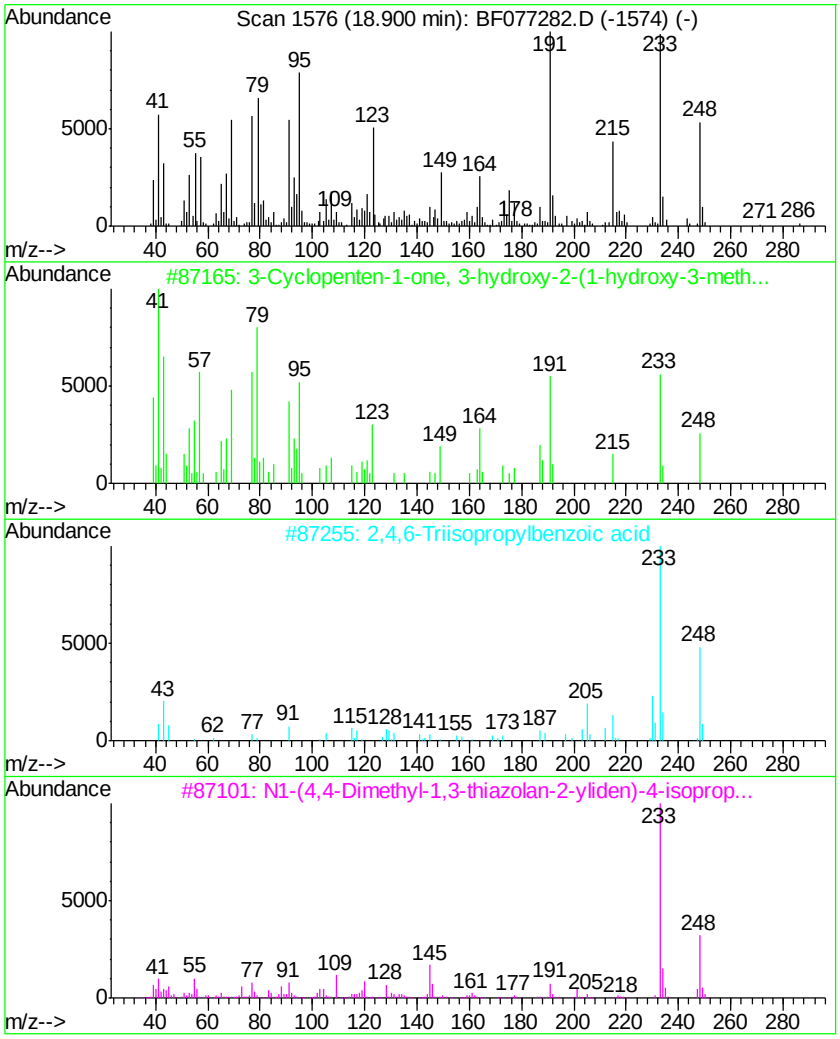
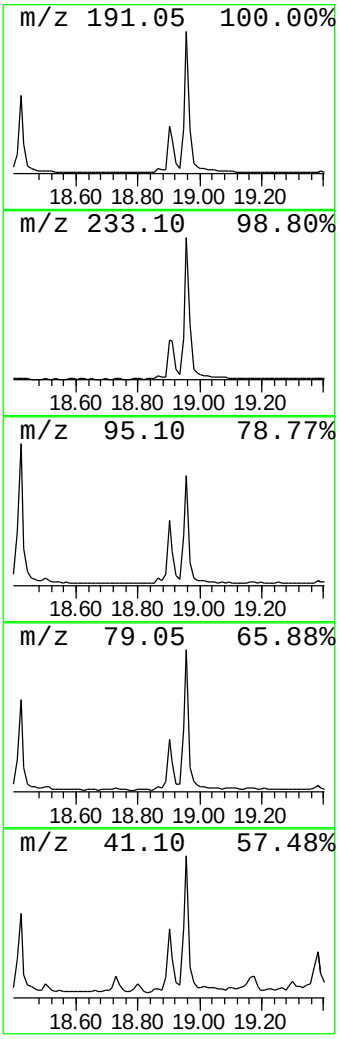
Peak Number 11 3-Cyclopenten-1-one, 3-hydr... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.90	47.66 ng	997070	Phenanthrene-d10	17.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Cyclopenten-1-one, 3-hydroxy-2...	248	C15H20O3	038574-23-1	83
2	2,4,6-Triisopropylbenzoic acid	248	C16H24O2	049623-71-4	51
3	N1-(4,4-Dimethyl-1,3-thiazolan-2...	248	C14H20N2S	284665-76-5	30
4	2-Amino-5-iodotoluene	233	C7H8IN	013194-68-8	25
5	1-Penten-3-one, 1-(2,6,6-trimeth...	206	C14H22O	000127-43-5	25





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Sample : G1280-01 5X
Misc :
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Instrument : BNA_F
ClientSampleId : 1501222551-52-53-COMP

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF011415.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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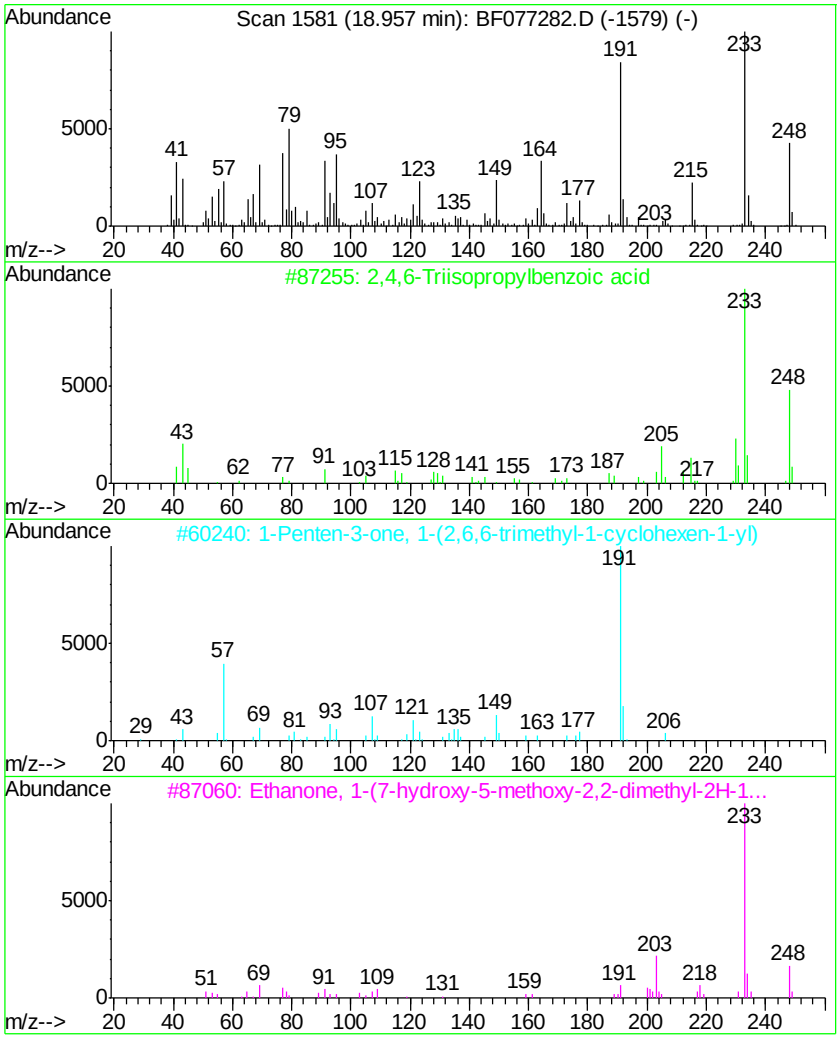
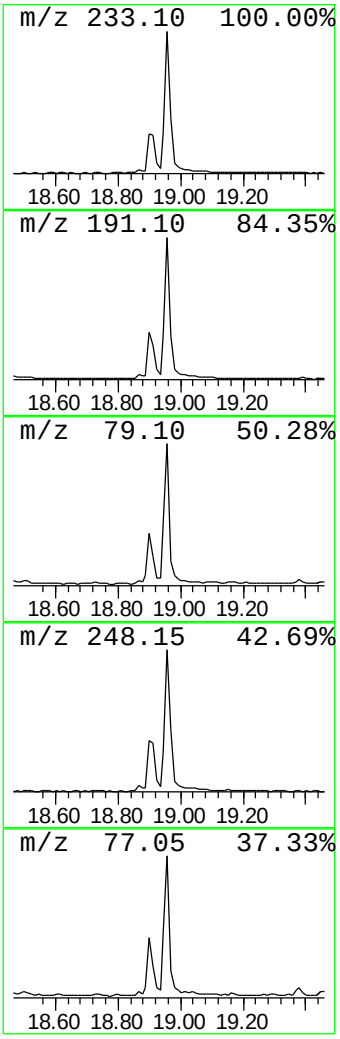
Peak Number 12 unknown18.96 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.96	102.06 ng	2135260	Phenanthrene-d10	17.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2,4,6-Triisopropylbenzoic acid	248	C16H24O2	049623-71-4	38
2	1-Penten-3-one, 1-(2,6,6-trimeth...	206	C14H22O	000127-43-5	35
3	Ethanone, 1-(7-hydroxy-5-methoxy...	248	C14H16O4	000529-70-4	22
4	Amiphenazole	191	C9H9N3S	000490-55-1	22
5	.beta.-iso-Methyl ionone	206	C14H22O	1000285-40-2	22





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Acq On : 12 Feb 2015 11:19
Operator : TP/IZ
Sample : G1280-01 5X
Misc :
ALS Vial : 31 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 1501222551-52-53-COMP

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF011415.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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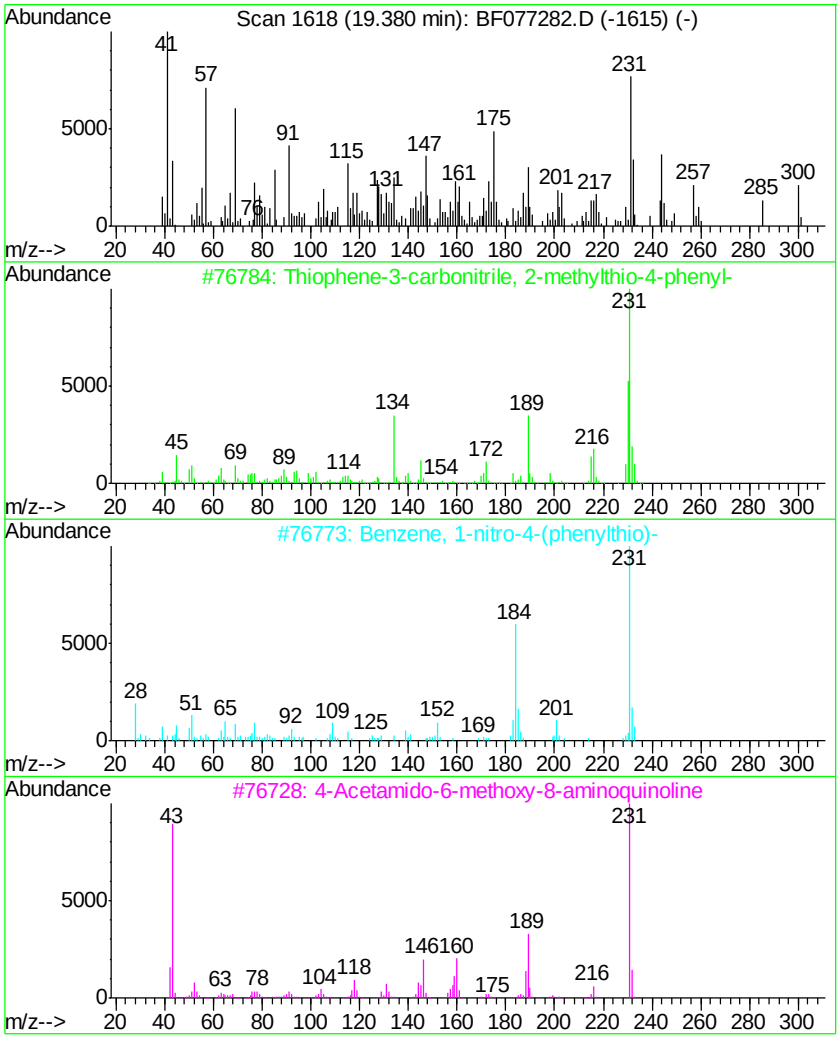
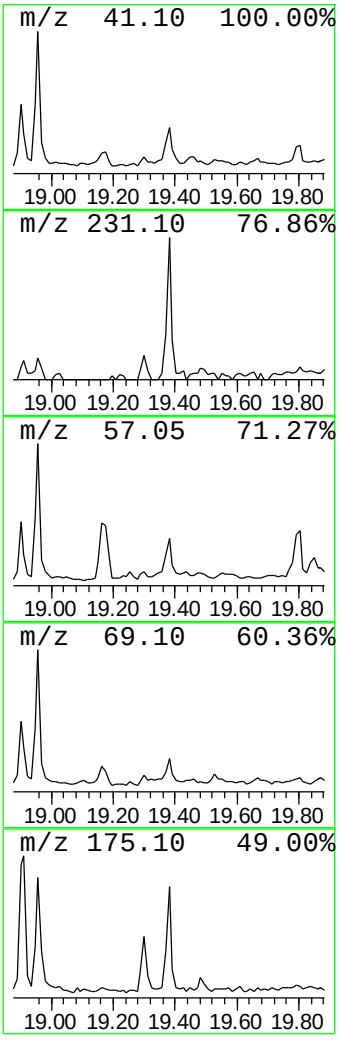
Peak Number 13 Thiophene-3-carbonitrile, 2... Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.38	23.37 ng	335640	Chrysene-d12	20.99

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Thiophene-3-carbonitrile, 2-meth...	231	C12H9NS2	116526-45-5	62
2	Benzene, 1-nitro-4-(phenylthio)-	231	C12H9NO2S	000952-97-6	30
3	4-Acetamido-6-methoxy-8-aminoqui...	231	C12H13N3O2	063456-99-5	30
4	2,3(1H)-Dihydro-7-methylthio-9-c...	231	C13H13NOS	1000257-08-5	27
5	Pyrimidine, 2-dimethylamino-4,6-...	231	C12H13N3O2	1000261-69-3	27





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Sample : G1280-01 5X
Misc :
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Instrument : BNA_F
ClientSampleId : 1501222551-52-53-COMP

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF011415.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
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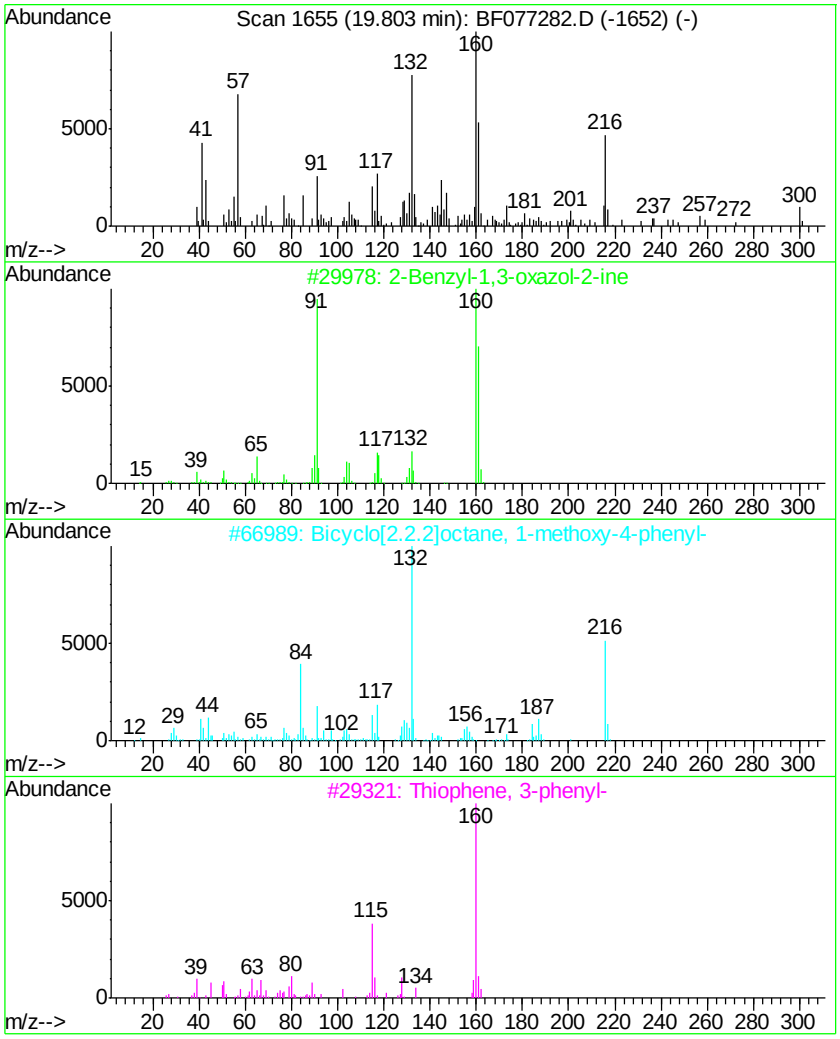
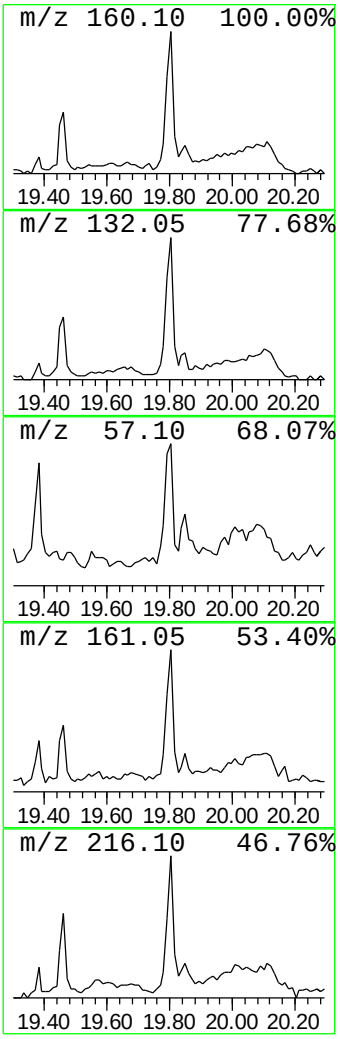
Peak Number 14 unknown19.80 Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.80	16.00 ng	229707	Chrysene-d12	20.99

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Benzyl-1,3-oxazol-2-ine	161	C10H11NO	010431-95-5	45
2	Bicyclo[2.2.2]octane, 1-methoxy-...	216	C15H20O	006555-88-0	38
3	Thiophene, 3-phenyl-	160	C10H8S	002404-87-7	35
4	Indenone, 5-methylamino-2,3-dihy...	161	C10H11NO	1000153-18-7	27
5	1H-Isoindol-1-one, 2,3-dihydro-4...	217	C14H19NO	071940-28-8	22





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Acq On : 12 Feb 2015 11:19
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Sample : G1280-01 5X
Misc :
ALS Vial : 31 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 1501222551-52-53-COMP

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF011415.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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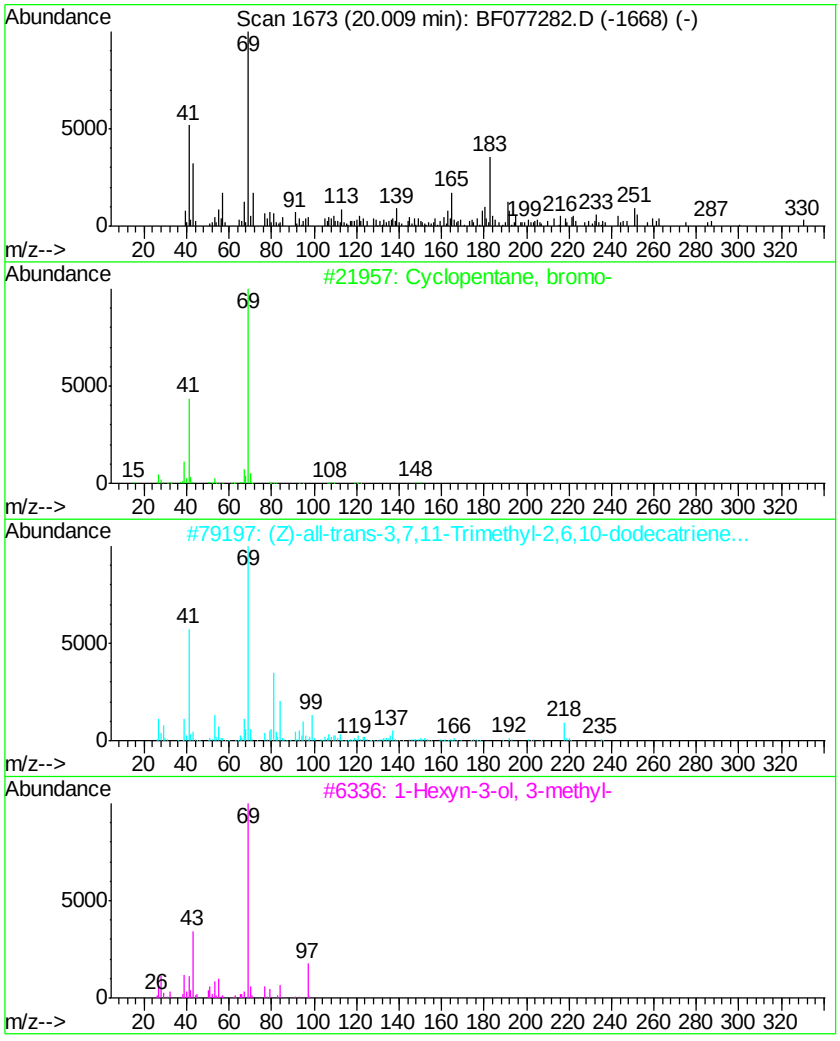
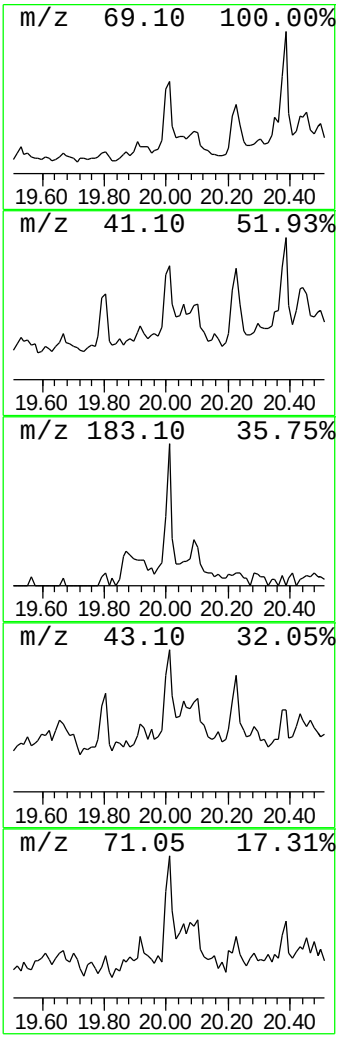
Peak Number 15 unknown20.01 Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.01	18.11 ng	260077	Chrysene-d12	20.99

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentane, bromo-	148	C5H9Br	000137-43-9	43
2	(Z)-all-trans-3,7,11-Trimethyl-2...	235	C15H25NO	123257-83-0	43
3	1-Hexyn-3-ol, 3-methyl-	112	C7H12O	004339-05-3	38
4	Methanone, dicyclopropyl-	110	C7H10O	001121-37-5	38
5	6-Bromohexanoic acid, 3,5-difluo...	306	C12H13BrF2O2	1000293-66-5	38





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Sample : G1280-01 5X
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ALS Vial : 31 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 1501222551-52-53-COMP

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF011415.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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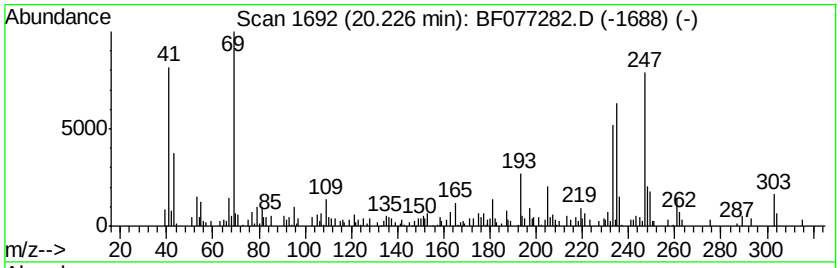
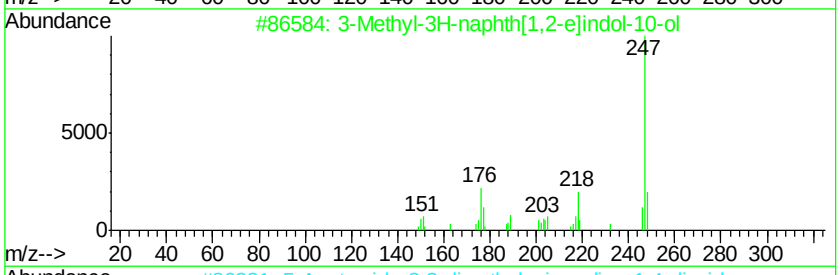
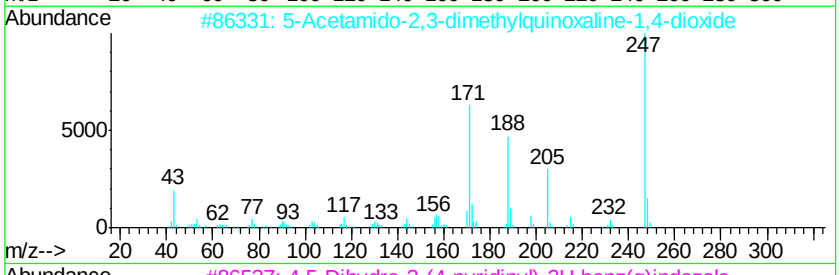
Peak Number 16 unknown20.23 Concentration Rank 18

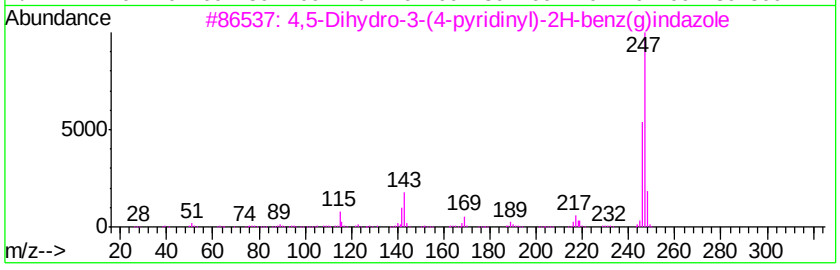
R.T.	EstConc	Area	Relative to ISTD	R.T.
20.23	17.45 ng	250565	Chrysene-d12	20.99

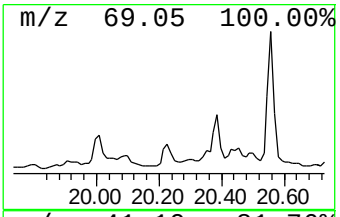
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Methyl-3H-naphth[1,2-e]indol-1...	247	C17H13NO	098033-21-7	38
2	5-Acetamido-2,3-dimethylquinoxal...	247	C12H13N3O3	1000110-70-4	22
3	4,5-Dihydro-3-(4-pyridinyl)-2H-b...	247	C16H13N3	052837-55-5	18
4	N1-(4,4-Dimethyl-1,3-thiazolan-2...	248	C14H20N2S	284665-76-5	15
5	3,5-di-tert-Butyl-4-hydroxyaceto...	248	C16H24O2	014035-33-7	15

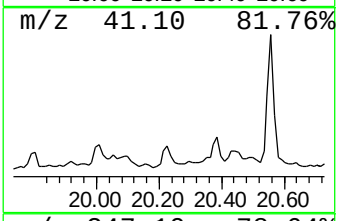


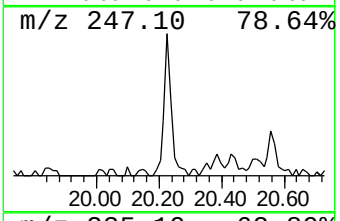


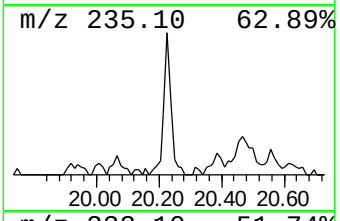


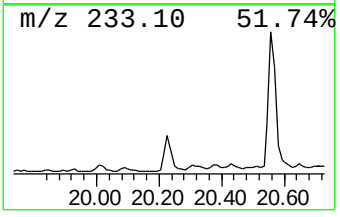












Data Path : Z:\HPCHEM1\BNA_F\DATA\BF021115\
Data File : BF077282.D
Acq On : 12 Feb 2015 11:19
Operator : TP/IZ
Sample : G1280-01 5X
Misc :
ALS Vial : 31 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 1501222551-52-53-COMP

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF011415.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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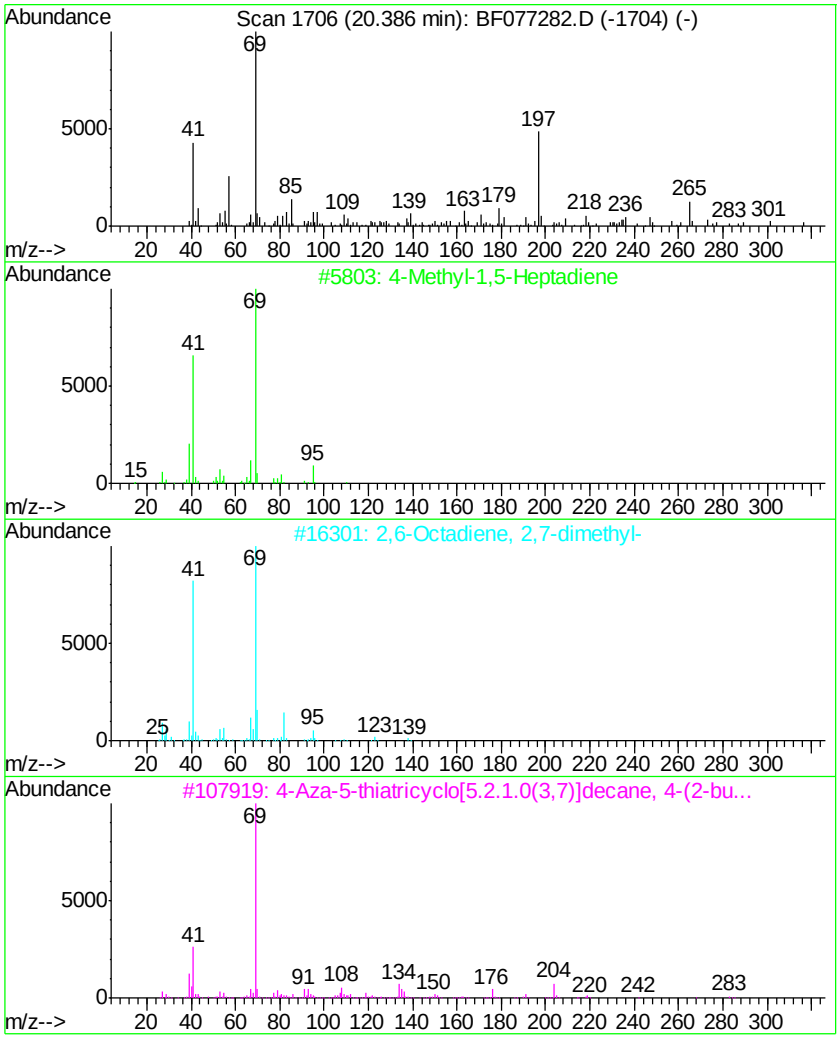
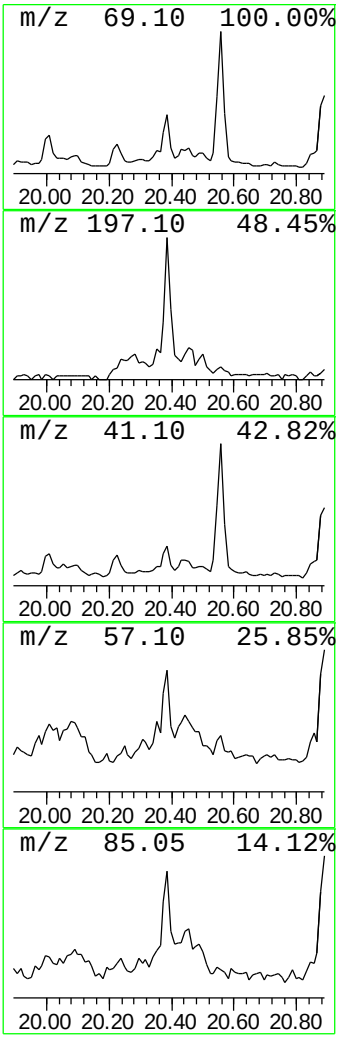
Peak Number 17 unknown20.39 Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.39	17.84 ng	256148	Chrysene-d12	20.99

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4-Methyl-1,5-Heptadiene	110	C8H14	000998-94-7	35
2	2,6-Octadiene, 2,7-dimethyl-	138	C10H18	016736-42-8	35
3	4-Aza-5-thiatricyclo[5.2.1.0(3,7...	283	C14H21NO3S	1000156-44-2	35
4	1,6-Octadiene, 2,7-dimethyl-	138	C10H18	040195-09-3	25
5	1,3-Butylene glycol dimethacrylate	226	C12H18O4	001189-08-8	25





Data Path : Z:\HPCHEM1\BNA_F\DATA\BF021115\
Data File : BF077282.D
Acq On : 12 Feb 2015 11:19
Operator : TP/IZ
Sample : G1280-01 5X
Misc :
ALS Vial : 31 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 1501222551-52-53-COMP

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF011415.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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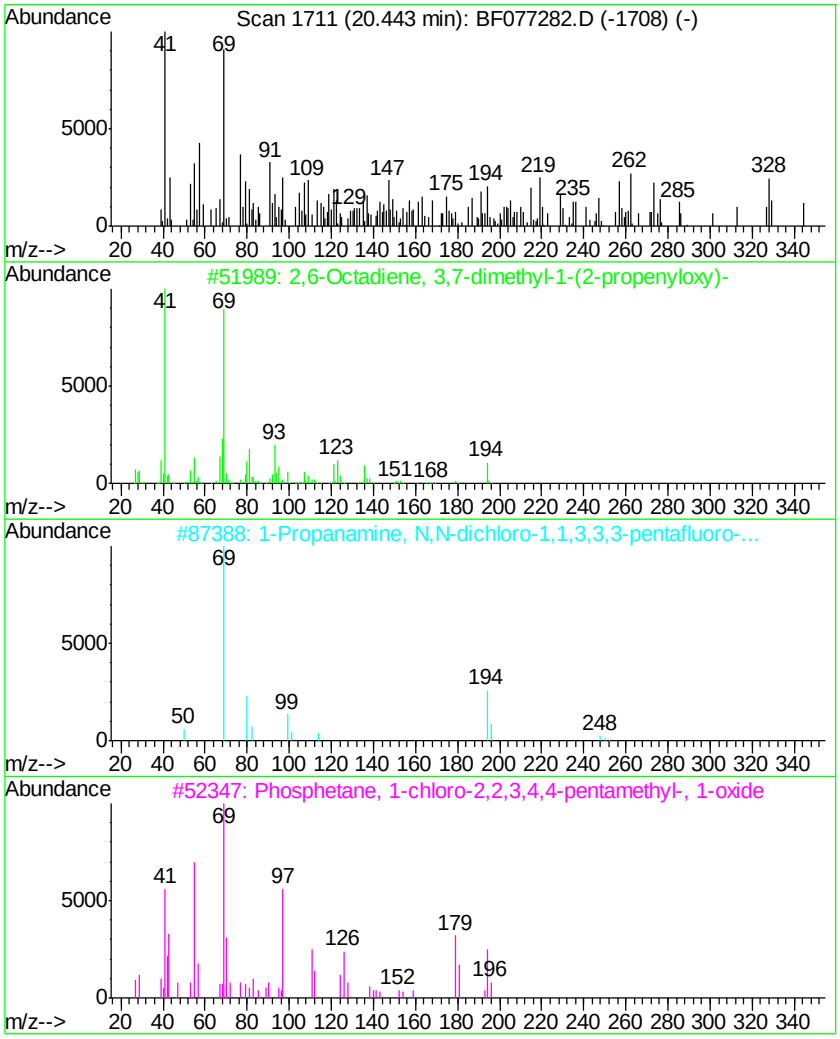
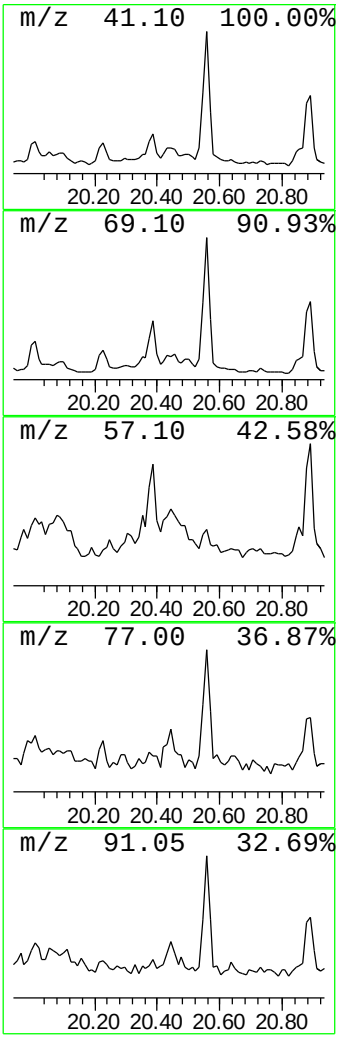
Peak Number 18 unknown20.44 Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.44	32.30 ng	463879	Chrysene-d12	20.99

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2,6-Octadiene, 3,7-dimethyl-1-(2...	194	C13H22O	139694-23-8	35
2	1-Propanamine, N,N-dichloro-1,1,...	248	C3Cl2F6N2	105882-90-4	25
3	Phosphetane, 1-chloro-2,2,3,4,4-...	194	C8H16ClOP	029276-11-7	17
4	Cyclopropanecarboxylic acid, 2,4...	330	C22H34O2	113719-02-1	17
5	1,2,5-Tris-O-(trifluoracetyl)-3-...	422	C11H7F9O7	071301-31-0	16





Data Path : Z:\HPCHEM1\BNA_F\DATA\BF021115\
Data File : BF077282.D
Acq On : 12 Feb 2015 11:19
Operator : TP/IZ
Sample : G1280-01 5X
Misc :
ALS Vial : 31 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
1501222551-52-53-COMP

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF011415.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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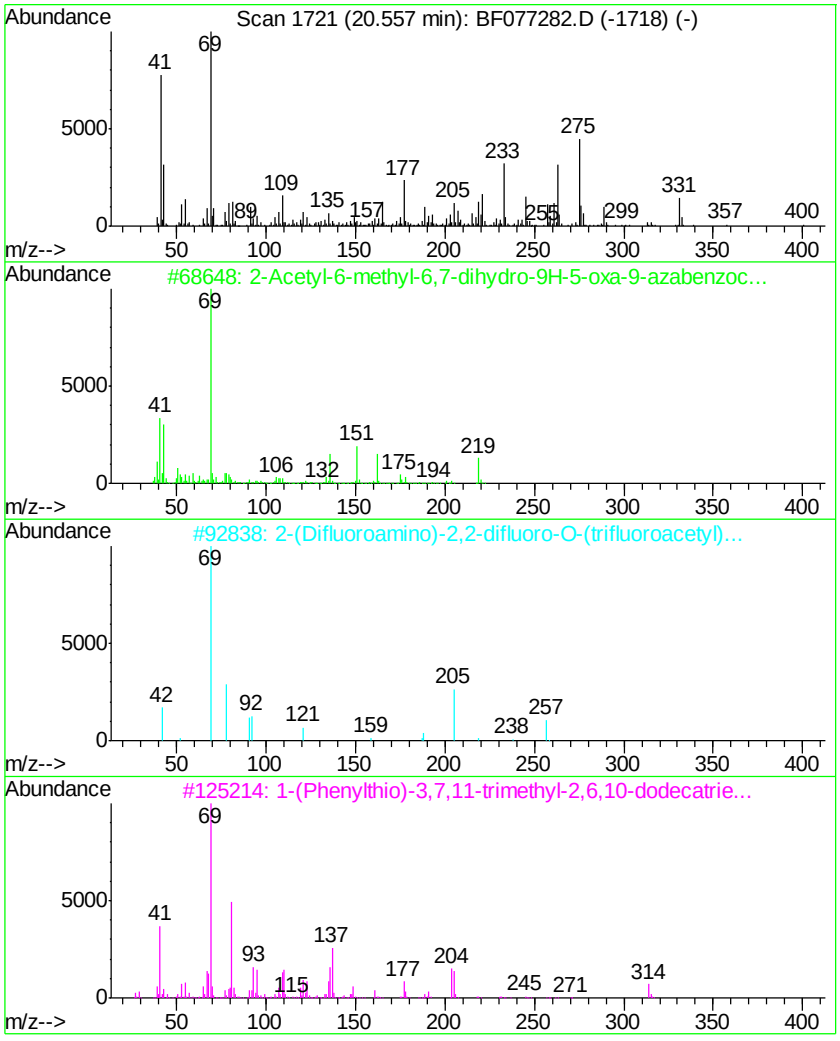
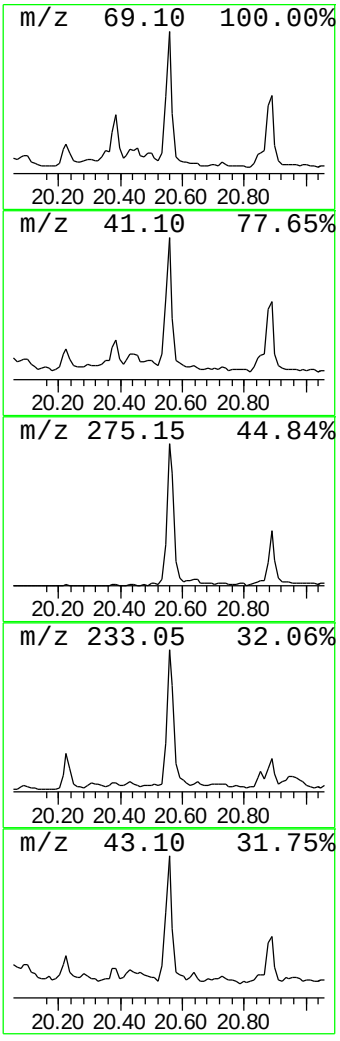
Peak Number 19 unknown20.56 Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.56	80.49 ng	1155870	Chrysene-d12	20.99

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Acetyl-6-methyl-6,7-dihydro-9H...	219	C12H13NO3	134076-68-9	22
2	2-(Difluoroamino)-2,2-difluoro-O...	257	C4H2F7N3O2	115983-88-5	12
3	1-(Phenylthio)-3,7,11-trimethyl-...	314	C21H30S	028413-57-2	12
4	Octa-2,6-dienal, 3,7-dimethyl-, ...	332	C16H20N4O4	002553-67-5	12
5	9Bh-1,3,4,6,7,9,9b-heptaazaphena...	221	C6H3N7O3	1000293-92-9	10





Data Path : Z:\HPCHEM1\BNA_F\DATA\BF021115\
Data File : BF077282.D
Acq On : 12 Feb 2015 11:19
Operator : TP/IZ
Sample : G1280-01 5X
Misc :
ALS Vial : 31 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 1501222551-52-53-COMP

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF011415.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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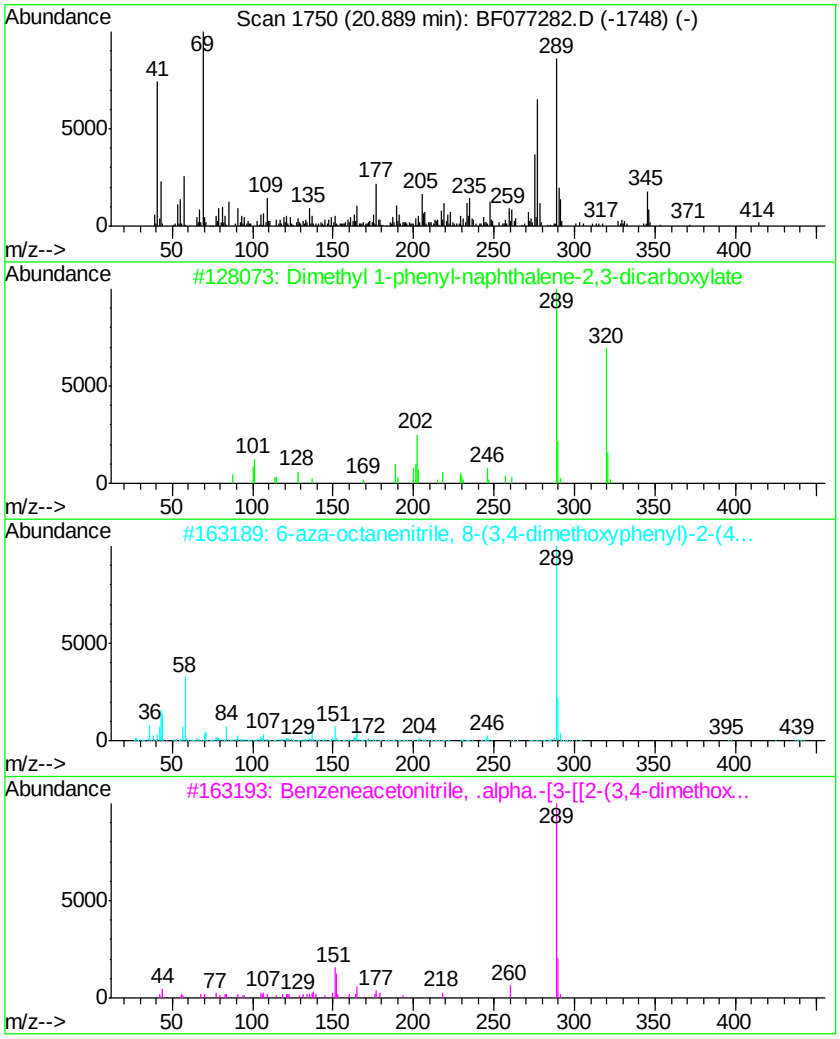
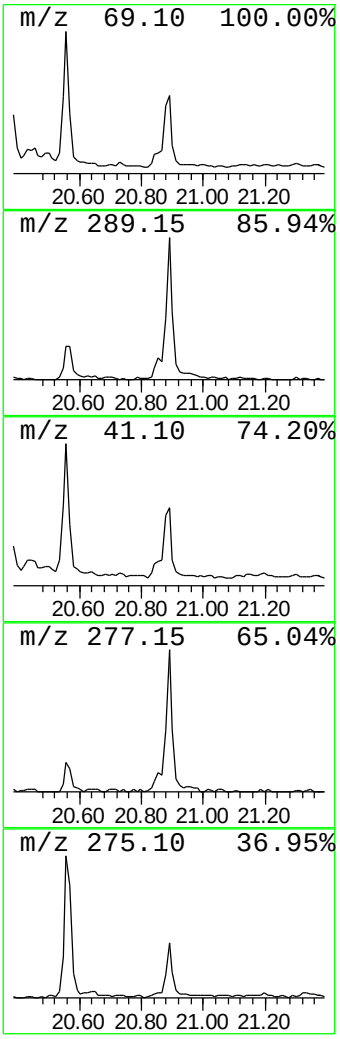
Peak Number 20 unknown20.89 Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.89	47.20 ng	677846	Chrysene-d12	20.99

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dimethyl 1-phenyl-naphthalene-2,...	320	C20H16O4	003404-99-7	32
2	6-aza-octanenitrile, 8-(3,4-dime...	440	C26H36N2O4	1000150-02-6	22
3	Benzeneacetonitrile, .alpha.-[3-...	440	C26H36N2O4	067018-85-3	22
4	5H-Dibenzo[b,f]1,4-diazepin-7(8H...	366	C25H22N2O	312626-26-9	22
5	Propenenitrile, 1-(3H-indol-3-yl...	289	C17H11N3O2	1000272-51-0	14





Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF021115\
Data File : BF077282.D
Acq On : 12 Feb 2015 11:19
Operator : TP/IZ
Sample : G1280-01 5X
Misc :
ALS Vial : 31 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 1501222551-52-53-COMP

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF011415.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
Ethanone, 1-cyclo...	7.13	18.3	ng	179548	1	7.55	196207	20.0
Cyclopentanecarbo...	8.01	18.1	ng	177312	1	7.55	196207	20.0
.alpha.-Caryophyl...	14.31	18.3	ng	233815	3	14.58	255250	20.0
unknown16.95	16.95	33.9	ng	709711	4	17.48	418418	20.0
3,7-Nonadien-2-ol...	17.35	13.7	ng	285490	4	17.48	418418	20.0
4,4,5',5'-Tetrame...	17.56	60.3	ng	1260500	4	17.48	418418	20.0
unknown18.01	18.01	21.4	ng	448071	4	17.48	418418	20.0
unknown18.24	18.24	24.8	ng	519567	4	17.48	418418	20.0
Dehydro-cohumulin...	18.42	74.2	ng	1552880	4	17.48	418418	20.0
3-Cyclopenten-1-o...	18.90	47.7	ng	997070	4	17.48	418418	20.0
unknown18.96	18.96	102.1	ng	2135260	4	17.48	418418	20.0
Thiophene-3-carbo...	19.38	23.4	ng	335640	5	20.99	287207	20.0
unknown19.80	19.80	16.0	ng	229707	5	20.99	287207	20.0
unknown20.01	20.01	18.1	ng	260077	5	20.99	287207	20.0
unknown20.23	20.23	17.4	ng	250565	5	20.99	287207	20.0
unknown20.39	20.39	17.8	ng	256148	5	20.99	287207	20.0
unknown20.44	20.44	32.3	ng	463879	5	20.99	287207	20.0
unknown20.56	20.56	80.5	ng	1155870	5	20.99	287207	20.0
unknown20.89	20.89	47.2	ng	677846	5	20.99	287207	20.0