LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF091815\
Data File : BF081701.D
Acq On : 18 Sep 2015 17:27
Operator : UM/IZ
Sample : G3704-05
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : MW-6-9-15-15

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-BF090115.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	1.224	9	12	15	rVV	2887421	3106594	72.21%	6.221%
2	1.441	28	31	37	rBV	122562	326585	7.59%	0.654%
3	1.533	37	39	80	rVB	1144468	4302189	100.00%	8.615%
4	4.424	289	292	304	rBV	75835	186303	4.33%	0.373%
5	4.881	328	332	336	rBV2	132060	281894	6.55%	0.565%
6	5.110	349	352	361	rBB	131510	254565	5.92%	0.510%
7	5.304	367	369	384	rBV	212181	505863	11.76%	1.013%
8	5.636	394	398	402	rBV	128619	221118	5.14%	0.443%
9	7.133	527	529	533	rVB	98535	176199	4.10%	0.353%
10	7.316	542	545	550	rBB	65833	101388	2.36%	0.203%
11	7.476	556	559	566	rBB	111238	175195	4.07%	0.351%
12	7.590	566	569	574	rBV	118804	295950	6.88%	0.593%
13	7.682	574	577	584	rVV	598129	1072984	24.94%	2.149%
14	7.796	584	587	591	rVB	357519	624274	14.51%	1.250%
15	8.162	616	619	628	rBV	167390	273397	6.35%	0.547%
16	8.299	628	631	635	rVV	214464	368244	8.56%	0.737%
17	8.493	644	648	650	rBV	675022	1122300	26.09%	2.247%
18	8.550	650	653	659	rVB	95464	193579	4.50%	0.388%
19	8.859	677	680	684	rVB	29710	43608	1.01%	0.087%
20	8.973	685	690	694	rBB3	38256	95717	2.22%	0.192%
21	9.293	714	718	720	rBV	32036	54371	1.26%	0.109%
22	9.339	720	722	724	rVV	37129	56478	1.31%	0.113%
23	9.465	728	733	736	rBV	532812	1059881	24.64%	2.122%
24	9.762	753	759	765	rBB2	26220	55897	1.30%	0.112%
25	10.036	780	783	786	rVV	53331	77644	1.80%	0.155%
26	10.368	807	812	816	rBV2	33876	75610	1.76%	0.151%
27	10.505	820	824	825	rBV	66327	120724	2.81%	0.242%
28	10.539	825	827	834	rVB	67108	116510	2.71%	0.233%
29	10.711	840	842	845	rVB	30885	46202	1.07%	0.093%
30	11.065	869	873	876	rBV	218627	366580	8.52%	0.734%
31	11.122	876	878	881	rVB2	23644	45176	1.05%	0.090%
32	11.248	886	889	900	rVB	24009	53836	1.25%	0.108%
33	11.636	920	923	925	rBV2	36976	61803	1.44%	0.124%
34	12.299	978	981	984	rBV	37232	69728	1.62%	0.140%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF091815\
Data File : BF081701.D
Acq On : 18 Sep 2015 17:27
Operator : UM/IZ
Sample : G3704-05
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : MW-6-9-15-15

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-BF090115.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	12.665	1010	1013	1018	rVB2	57848	109614	2.55%	0.220%
36	12.756	1018	1021	1024	rBV	85597	148896	3.46%	0.298%
37	12.974	1038	1040	1044	rVB	62866	104591	2.43%	0.209%
38	13.477	1080	1084	1092	rBV4	15631	56234	1.31%	0.113%
39	13.705	1099	1104	1107	rBV	874964	1647748	38.30%	3.300%
40	14.242	1141	1151	1159	rVB2	63988	331674	7.71%	0.664%
41	14.437	1164	1168	1170	rBV2	24018	45628	1.06%	0.091%
42	14.757	1193	1196	1202	rVB	49387	104772	2.44%	0.210%
43	15.077	1221	1224	1227	rBV	42731	66799	1.55%	0.134%
44	15.191	1227	1234	1238	rVV2	233904	434277	10.09%	0.870%
45	15.351	1243	1248	1254	rVB4	24039	72898	1.69%	0.146%
46	16.163	1314	1319	1324	rVV3	41888	143131	3.33%	0.287%
47	16.700	1362	1366	1369	rVV	38396	89470	2.08%	0.179%
48	16.780	1369	1373	1377	rVV5	17811	51308	1.19%	0.103%
49	17.100	1397	1401	1404	rBV	546369	991634	23.05%	1.986%
50	17.203	1407	1410	1413	rBV2	41686	92333	2.15%	0.185%
51	17.271	1413	1416	1422	rVB	133920	332622	7.73%	0.666%
52	17.466	1430	1433	1437	rVB3	22732	59814	1.39%	0.120%
53	17.660	1446	1450	1455	rBV	225350	492192	11.44%	0.986%
54	17.774	1455	1460	1465	rVV	828527	1932083	44.91%	3.869%
55	17.877	1465	1469	1471	rVV	934343	2127370	49.45%	4.260%
56	17.923	1471	1473	1475	rVV	553258	932330	21.67%	1.867%
57	17.980	1475	1478	1482	rVB2	755722	1611891	37.47%	3.228%
58	18.083	1482	1487	1490	rBV	425933	975951	22.68%	1.954%
59	18.186	1493	1496	1502	rVB2	632790	1445986	33.61%	2.896%
60	18.300	1502	1506	1510	rBV	978578	1992013	46.30%	3.989%
61	18.380	1510	1513	1516	rBV	460444	773258	17.97%	1.548%
62	18.631	1532	1535	1538	rBV	28473	57275	1.33%	0.115%
63	18.700	1538	1541	1547	rVB	241897	441027	10.25%	0.883%
64	19.969	1646	1652	1656	rBV	48411	99374	2.31%	0.199%
65	20.300	1676	1681	1684	rBV	281838	597432	13.89%	1.196%
66	20.403	1686	1690	1694	rVV	473757	1134185	26.36%	2.271%
67	20.506	1694	1699	1704	rVV2	773632	2469379	57.40%	4.945%
68	20.597	1704	1707	1712	rVV2	666637	1369759	31.84%	2.743%
69	20.746	1712	1720	1724	rVV4	538910	2552937	59.34%	5.112%
70	20.814	1724	1726	1728	rVV	372991	606693	14.10%	1.215%
71	20.872	1728	1731	1733	rVV	805799	1340623	31.16%	2.685%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF091815\
Data File : BF081701.D
Acq On : 18 Sep 2015 17:27
Operator : UM/IZ
Sample : G3704-05
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : MW-6-9-15-15

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-BF090115.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

72	20.940	1733	1737	1742	rVB	448575	1034968	24.06%	2.073%
73	21.157	1750	1756	1763	rBV3	83297	238921	5.55%	0.478%
74	21.352	1767	1773	1775	rBV2	49944	110406	2.57%	0.221%
75	21.512	1785	1787	1789	rBV2	62260	119843	2.79%	0.240%
76	21.580	1789	1793	1795	rVV2	51616	138156	3.21%	0.277%
77	21.626	1795	1797	1800	rVV	81652	162031	3.77%	0.324%
78	21.683	1800	1802	1807	rVV2	149572	300835	6.99%	0.602%
79	21.763	1807	1809	1810	rVV2	39382	74789	1.74%	0.150%
80	21.786	1810	1811	1814	rVV	74215	92459	2.15%	0.185%
81	21.866	1816	1818	1823	rBV2	59550	100979	2.35%	0.202%
82	22.072	1832	1836	1839	rBV	1172567	1610390	37.43%	3.225%
83	22.323	1856	1858	1861	rVB3	22267	57672	1.34%	0.115%
84	22.437	1866	1868	1869	rVV	52320	73755	1.71%	0.148%
85	22.460	1869	1870	1875	rVV3	50704	126269	2.93%	0.253%
86	22.540	1875	1877	1880	rVV	41338	73808	1.72%	0.148%
87	23.215	1931	1936	1938	rBV	686395	1106025	25.71%	2.215%
88	23.352	1943	1948	1950	rVB	275933	449244	10.44%	0.900%
89	24.781	2071	2073	2076	rBV	226255	242171	5.63%	0.485%

Sum of corrected areas: 49936308

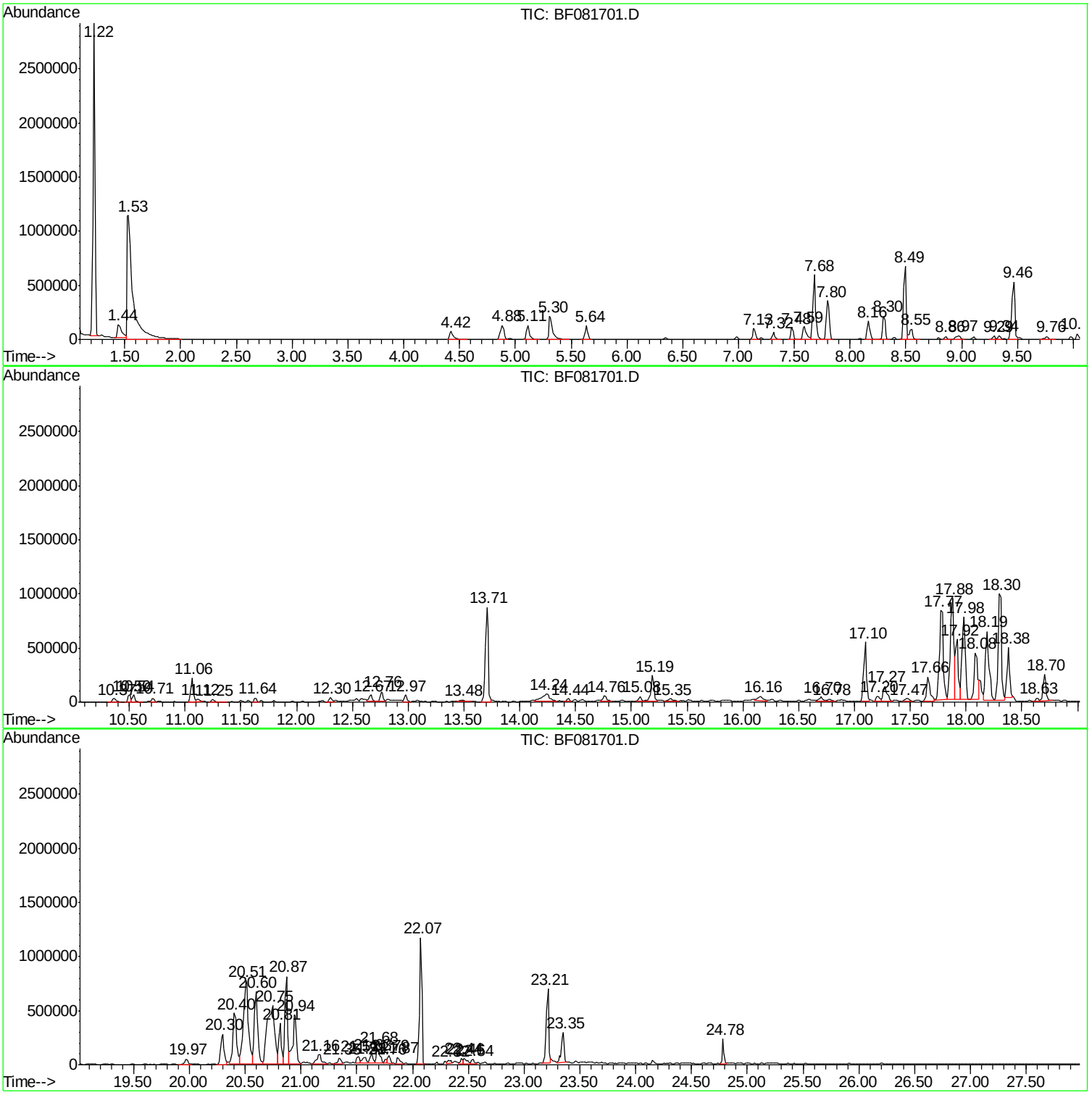
LSC Report - Integrated Chromatogram

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF091815\
Data File : BF081701.D
Acq On : 18 Sep 2015 17:27
Operator : UM/IZ
Sample : G3704-05
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
MW-6-9-15-15

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF090115.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\BF091815\
Data File : BF081701.D
Acq On : 18 Sep 2015 17:27
Operator : UM/IZ
Sample : G3704-05
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : MW-6-9-15-15

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF090115.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

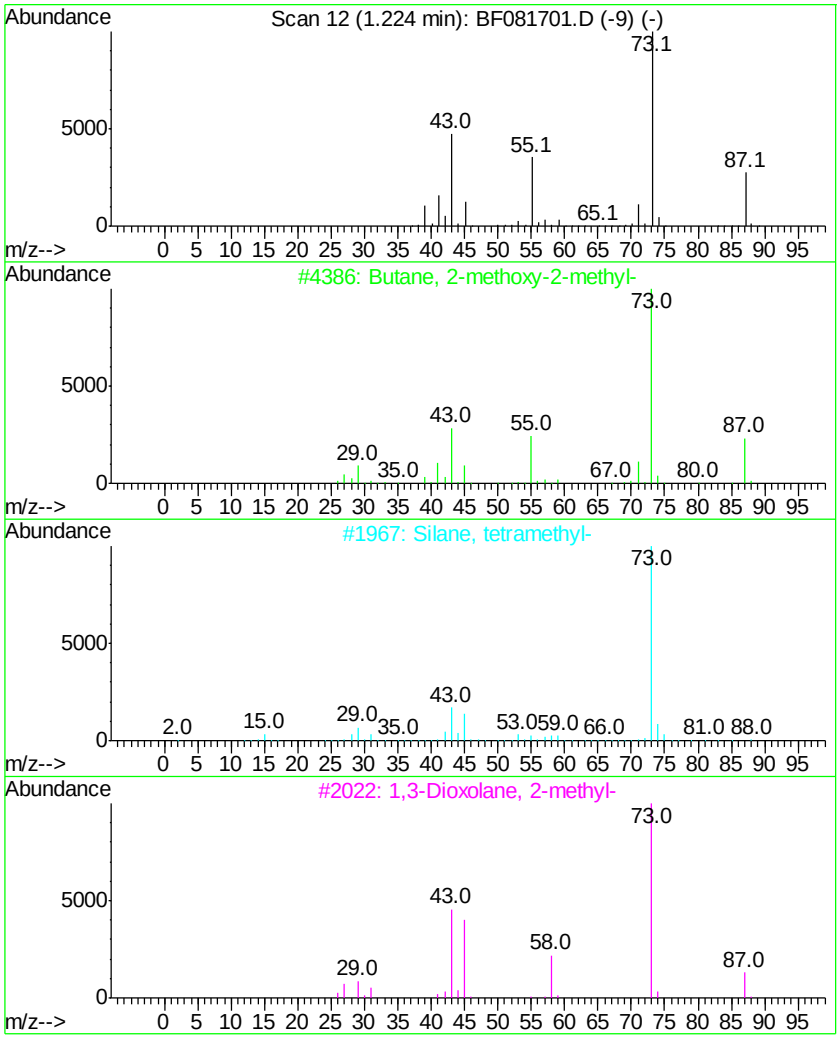
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

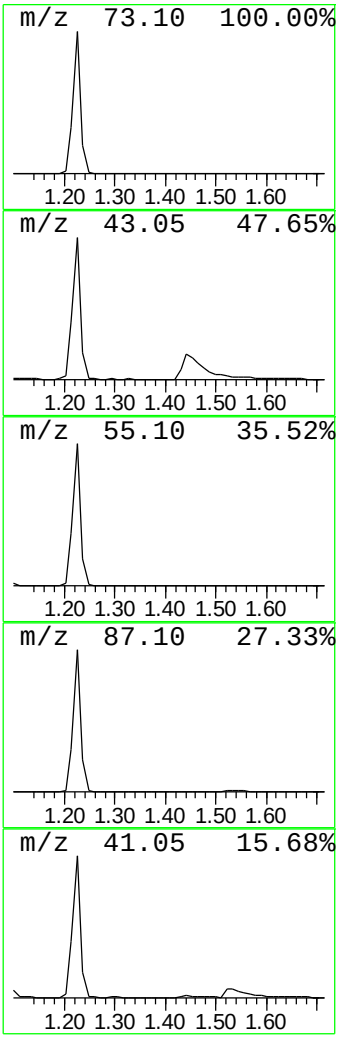
****

Peak Number 1 Butane, 2-methoxy-2-methyl- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
1.22	227.26 ng	3106590	1,4-Dichlorobenzene-d4	8.16

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butane, 2-methoxy-2-methyl-	102	C6H14O	000994-05-8	83
2	Silane, tetramethyl-	88	C4H12Si	000075-76-3	17
3	1,3-Dioxolane, 2-methyl-	88	C4H8O2	000497-26-7	9
4	Acetamide, N-ethyl-	87	C4H9NO	000625-50-3	9
5	3-Pentanol, 3-methyl-	102	C6H14O	000077-74-7	9





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF091815\
Data File : BF081701.D
Acq On : 18 Sep 2015 17:27
Operator : UM/IZ
Sample : G3704-05
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : MW-6-9-15-15

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF090115.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

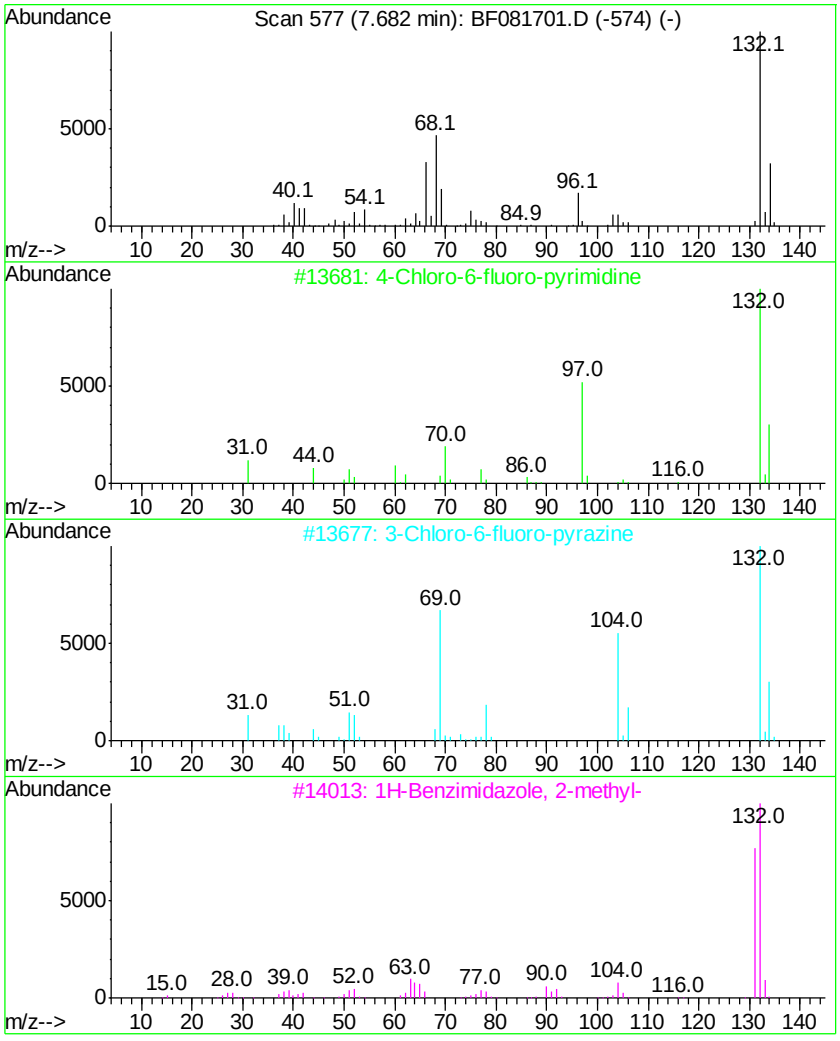
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

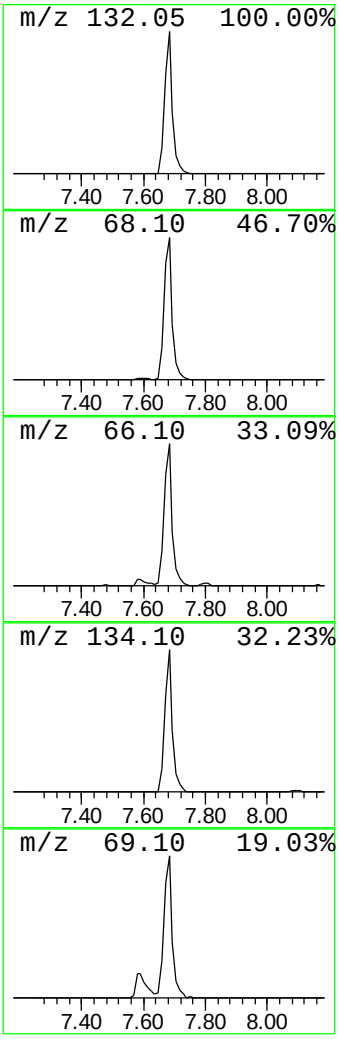
****

Peak Number 3 unknown7.68 Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.68	78.49 ng	1072980	1,4-Dichlorobenzene-d4	8.16

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4-Chloro-6-fluoro-pyrimidine	132	C4H2ClFN2	051422-01-6	27
2	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	27
3	1H-Benzimidazole, 2-methyl-	132	C8H8N2	000615-15-6	22
4	5-Aminoindole	132	C8H8N2	005192-03-0	22
5	5-Fluoro-2-chloropyrimidine	132	C4H2ClFN2	062802-42-0	12





Data Path : Z:\HPCHEM1\BNA_F\DATA\BF091815\
Data File : BF081701.D
Acq On : 18 Sep 2015 17:27
Operator : UM/IZ
Sample : G3704-05
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : MW-6-9-15-15

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF090115.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

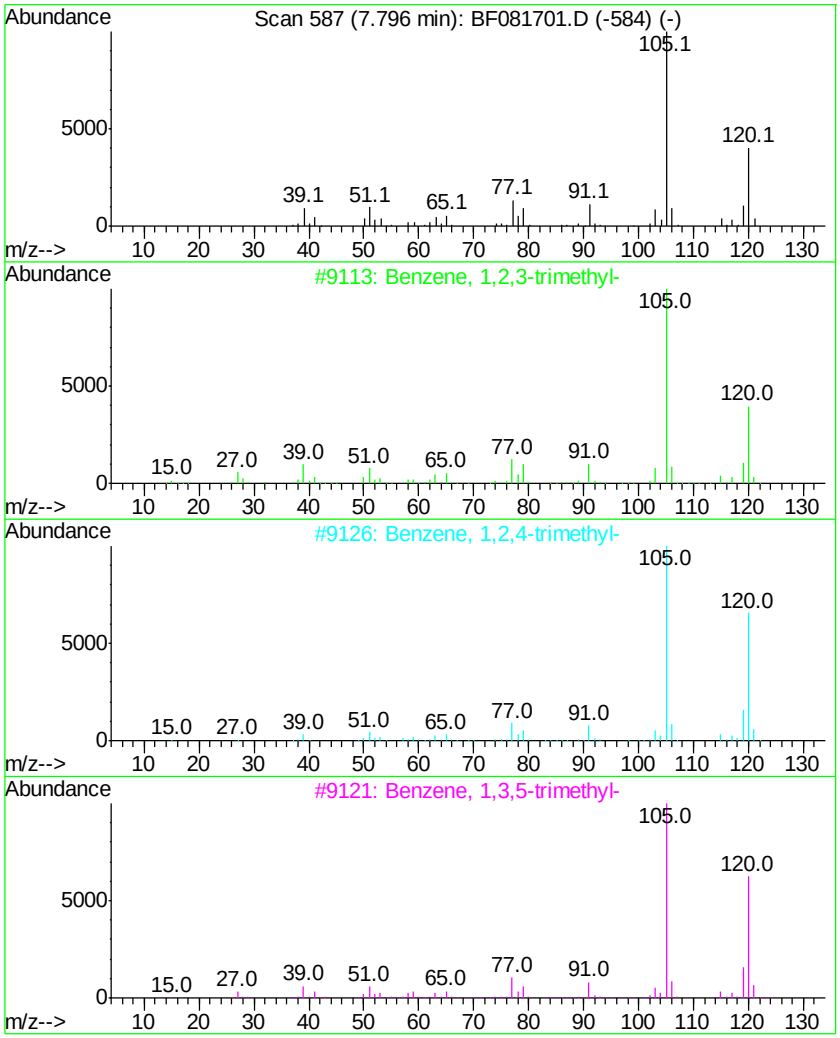
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

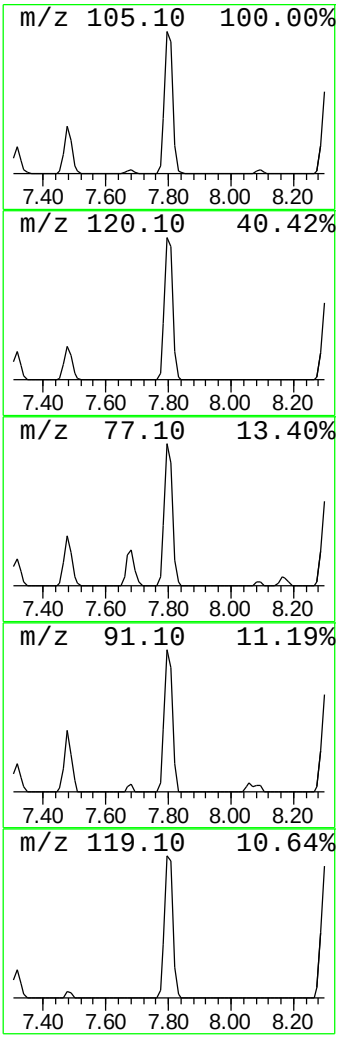
****

Peak Number 4 Benzene, 1,2,3-trimethyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.80	45.67 ng	624274	1,4-Dichlorobenzene-d4	8.16

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	94
2	Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	94
3	Benzene, 1,3,5-trimethyl-	120	C9H12	000108-67-8	90
4	Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	87
5	Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	87





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF091815\
Data File : BF081701.D
Acq On : 18 Sep 2015 17:27
Operator : UM/IZ
Sample : G3704-05
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : MW-6-9-15-15

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF090115.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

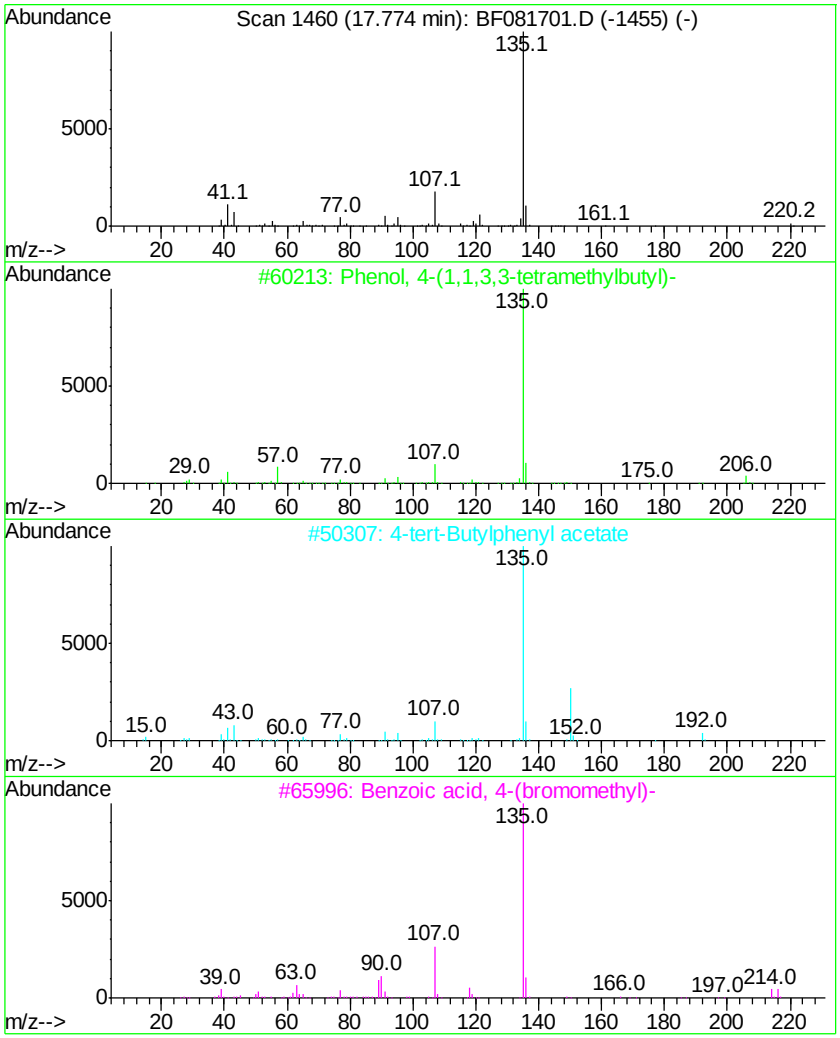
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

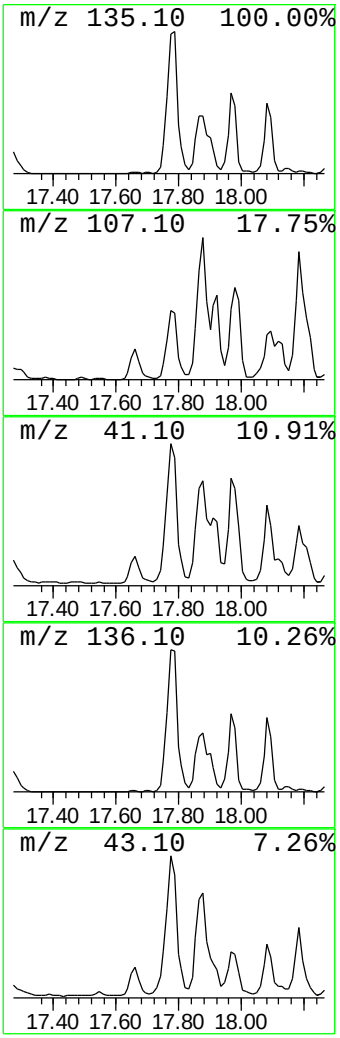
****

Peak Number 6 Phenol, 4-(1,1,3,3-tetramet... Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.77	87.62 ng	1932080	Phenanthrene-d10	18.70

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenol, 4-(1,1,3,3-tetramethylbu...	206	C14H22O	000140-66-9	78
2	4-tert-Butylphenyl acetate	192	C12H16O2	003056-64-2	78
3	Benzoic acid, 4-(bromomethyl)-	214	C8H7BrO2	006232-88-8	64
4	Pentanoic acid, 5-hydroxy-, p-t-...	250	C15H22O3	166273-37-6	64
5	Tricyclo[3.3.1.1(3,7)-]decane, 1...	214	C10H15Br	000768-90-1	59





Data Path : Z:\HPCHEM1\BNA_F\DATA\BF091815\
Data File : BF081701.D
Acq On : 18 Sep 2015 17:27
Operator : UM/IZ
Sample : G3704-05
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : MW-6-9-15-15

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF090115.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

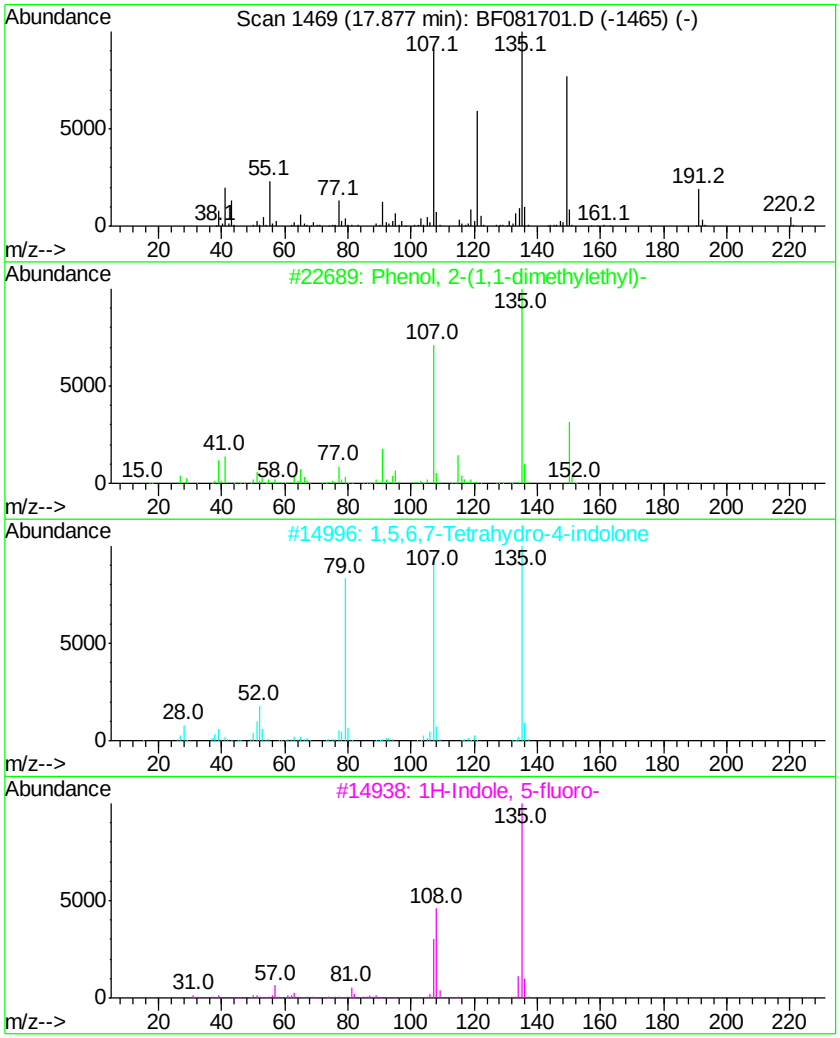
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

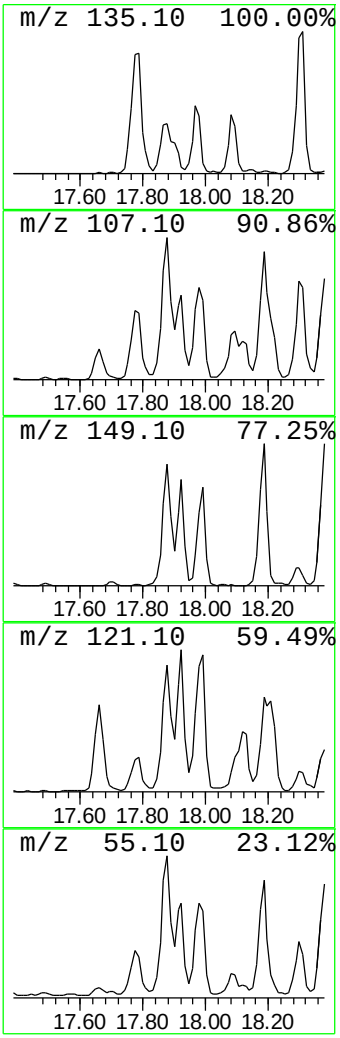
****

Peak Number 7 Phenol, 2-(1,1-dimethylethyl)- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.88	96.47 ng	2127370	Phenanthrene-d10	18.70

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenol, 2-(1,1-dimethylethyl)-	150	C10H14O	000088-18-6	55
2	1,5,6,7-Tetrahydro-4-indolone	135	C8H9NO	013754-86-4	43
3	1H-Indole, 5-fluoro-	135	C8H6FN	000399-52-0	30
4	Acetamide, N-(3-methylphenyl)-	149	C9H11NO	000537-92-8	27
5	Benzeneacetonitrile, 4-fluoro-	135	C8H6FN	000459-22-3	25





Data Path : Z:\HPCHEM1\BNA_F\DATA\BF091815\
Data File : BF081701.D
Acq On : 18 Sep 2015 17:27
Operator : UM/IZ
Sample : G3704-05
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : MW-6-9-15-15

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF090115.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

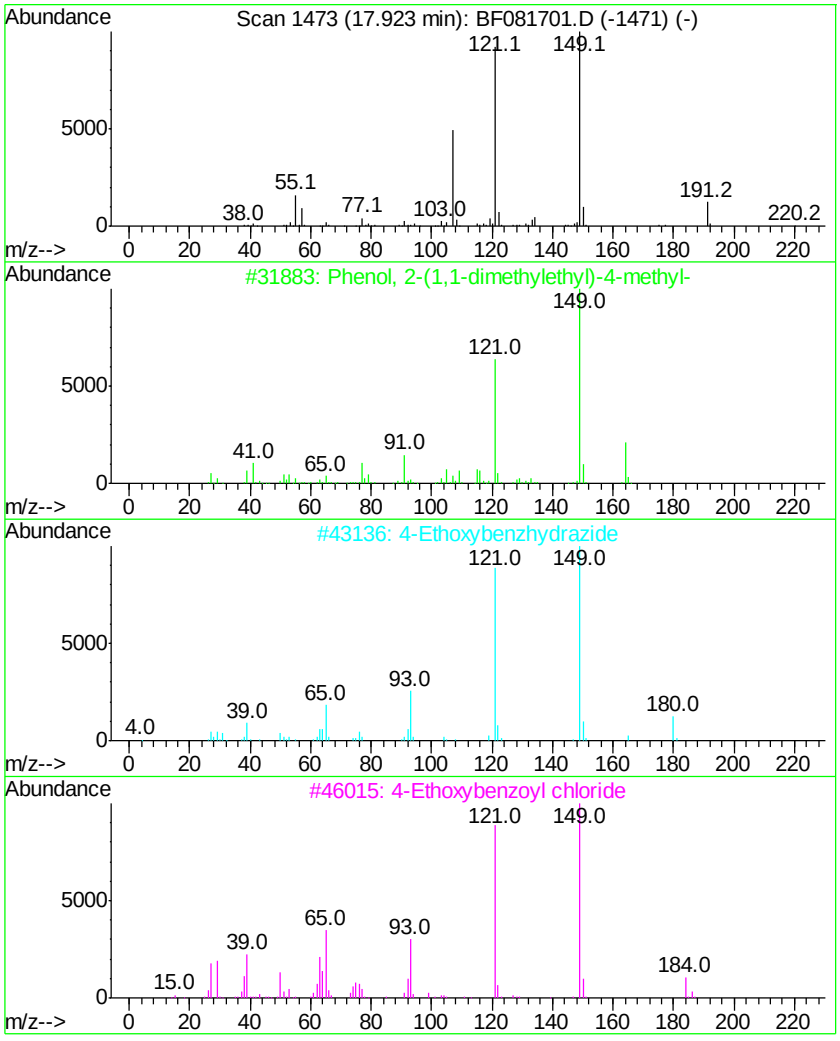
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

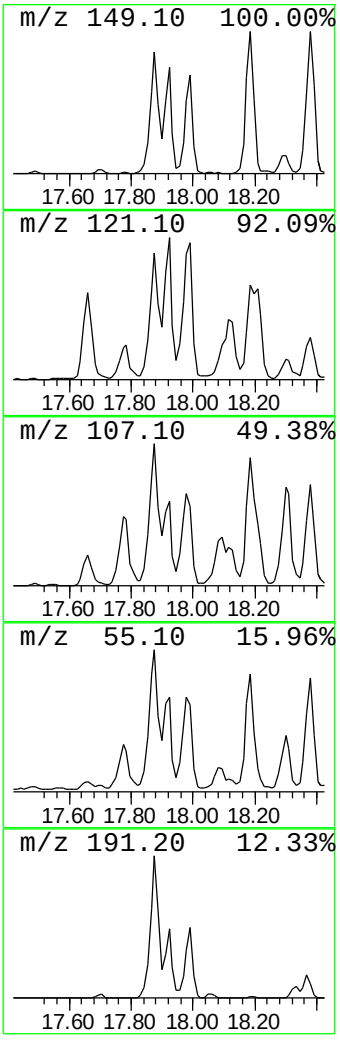
****

Peak Number 8 unknown17.92 Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.92	42.28 ng	932330	Phenanthrene-d10	18.70

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenol, 2-(1,1-dimethylethyl)-4-...	164	C11H16O	002409-55-4	45
2	4-Ethoxybenzhydrazide	180	C9H12N2O2	058586-81-5	45
3	4-Ethoxybenzoyl chloride	184	C9H9ClO2	016331-46-7	36
4	Paroxypropione	150	C9H10O2	000070-70-2	27
5	1,3-Cyclohexadiene, 1,3,5,5,6,6-...	164	C12H20	1000150-39-4	25





Data Path : Z:\HPCHEM1\BNA_F\DATA\BF091815\
Data File : BF081701.D
Acq On : 18 Sep 2015 17:27
Operator : UM/IZ
Sample : G3704-05
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : MW-6-9-15-15

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF090115.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

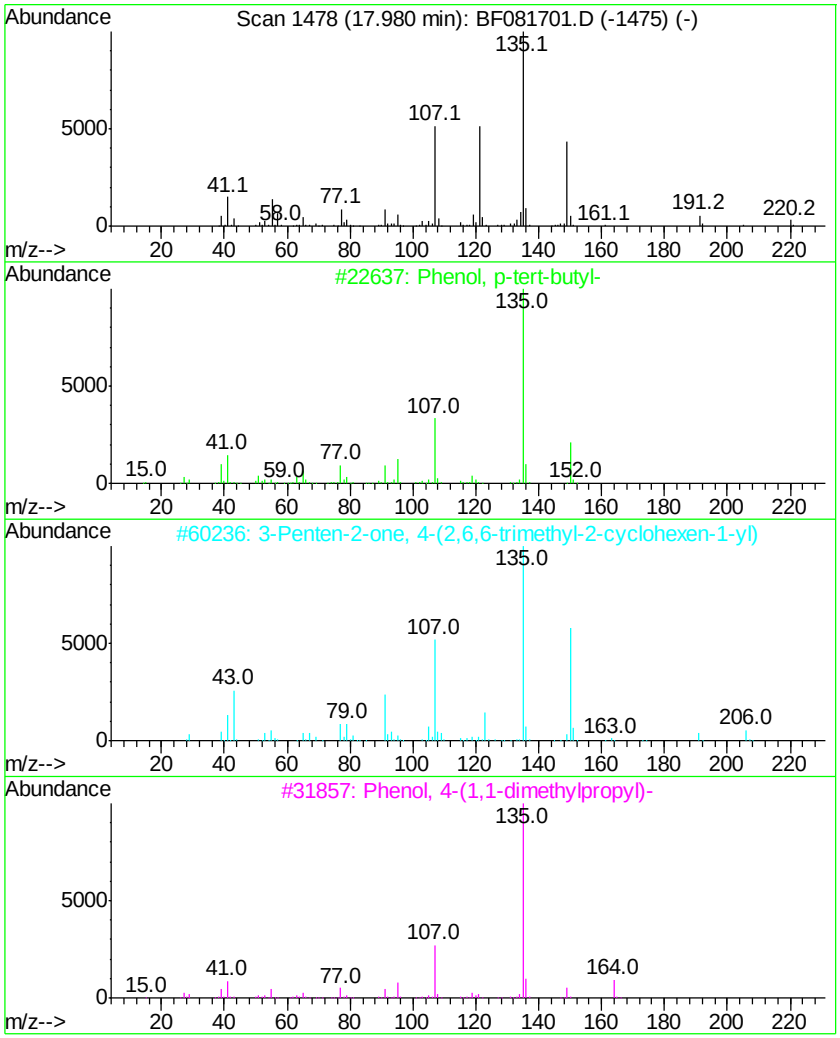
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

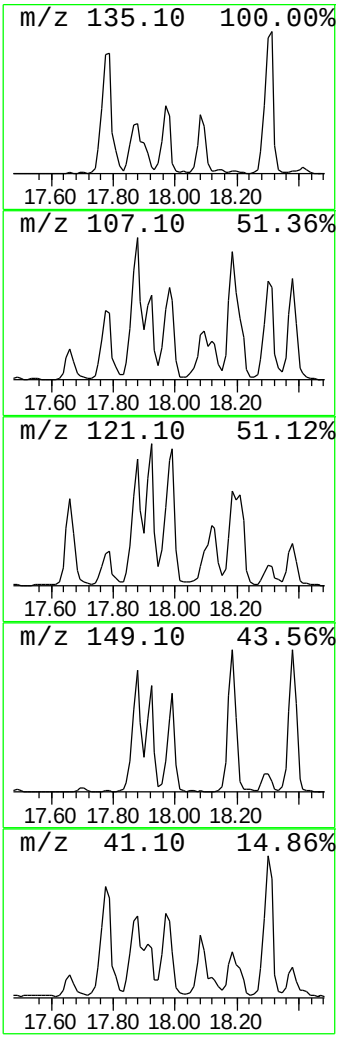
****

Peak Number 9 Phenol, p-tert-butyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.98	73.10 ng	1611890	Phenanthrene-d10	18.70

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenol, p-tert-butyl-	150	C10H14O	000098-54-4	64
2	3-Penten-2-one, 4-(2,6,6-trimeth...	206	C14H22O	114933-28-7	53
3	Phenol, 4-(1,1-dimethylpropyl)-	164	C11H16O	000080-46-6	50
4	Benzeneacetonitrile, 4-fluoro-	135	C8H6FN	000459-22-3	43
5	Phenol, m-tert-butyl-	150	C10H14O	000585-34-2	43





Data Path : Z:\HPCHEM1\BNA_F\DATA\BF091815\
Data File : BF081701.D
Acq On : 18 Sep 2015 17:27
Operator : UM/IZ
Sample : G3704-05
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : MW-6-9-15-15

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF090115.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

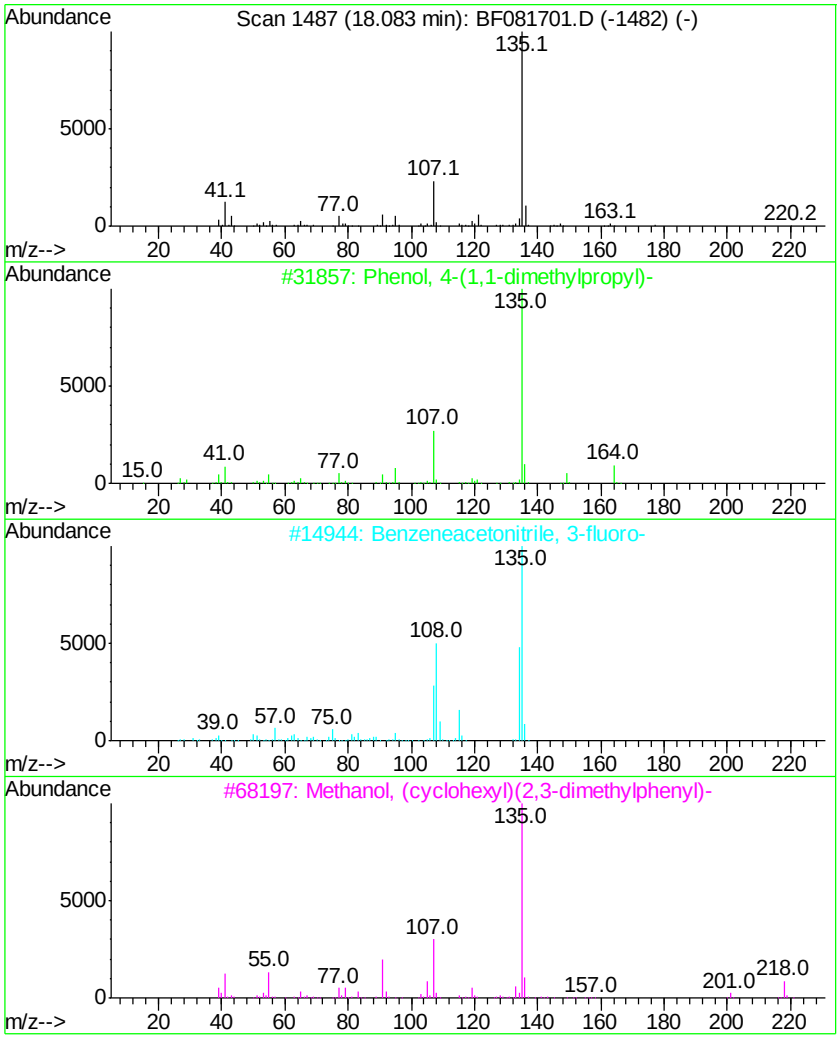
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

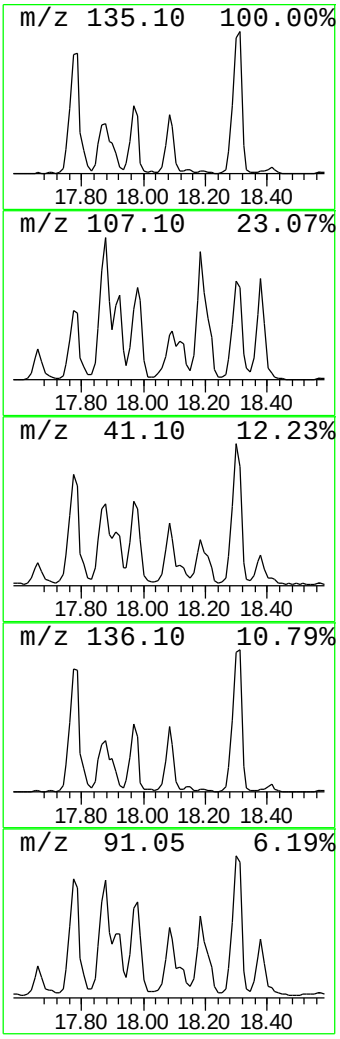
****

Peak Number 10 Phenol, 4-(1,1-dimethylprop... Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.08	44.26 ng	975951	Phenanthrene-d10	18.70

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenol, 4-(1,1-dimethylpropyl)-	164	C11H16O	000080-46-6	78
2	Benzeneacetonitrile, 3-fluoro-	135	C8H6FN	000501-00-8	72
3	Methanol, (cyclohexyl)(2,3-dimet...	218	C15H22O	349498-47-1	72
4	Phenol, 4-(1,1,3,3-tetramethylbu...	206	C14H22O	000140-66-9	64
5	4-tert-Butylphenyl acetate	192	C12H16O2	003056-64-2	64





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF091815\
Data File : BF081701.D
Acq On : 18 Sep 2015 17:27
Operator : UM/IZ
Sample : G3704-05
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : MW-6-9-15-15

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF090115.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

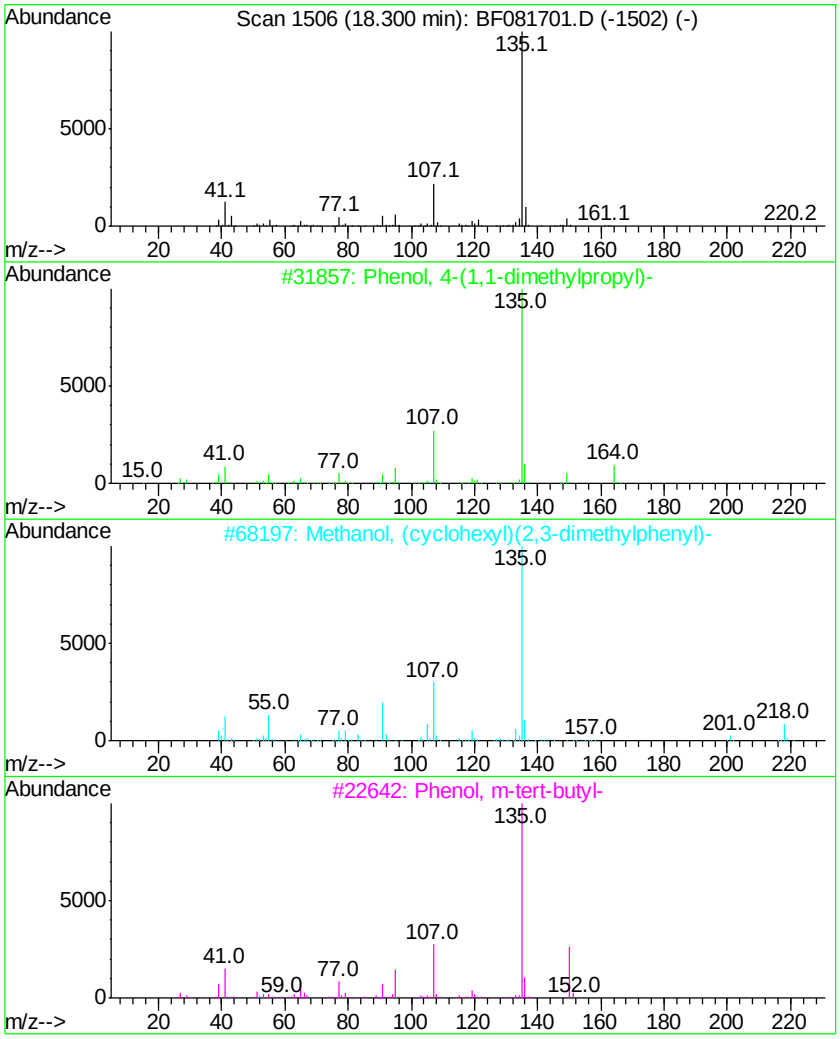
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

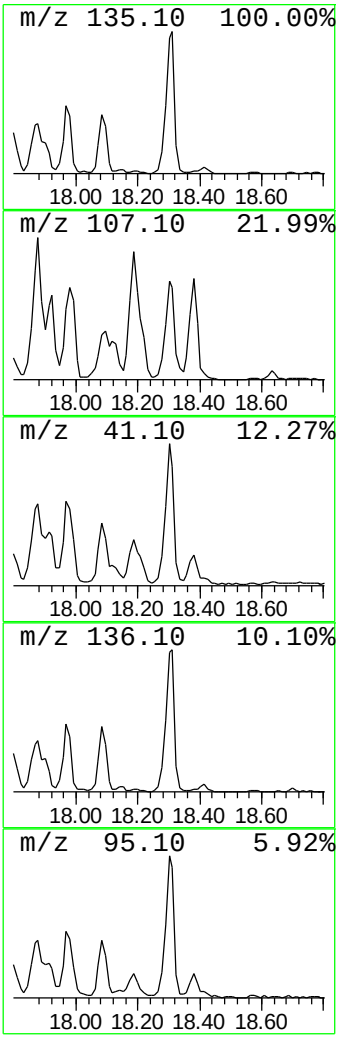
****

Peak Number 12 Methanol, (cyclohexyl)(2,3-... Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.30	90.34 ng	1992010	Phenanthrene-d10	18.70

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenol, 4-(1,1-dimethylpropyl)-	164	C11H16O	000080-46-6	83
2	Methanol, (cyclohexyl)(2,3-dimet...	218	C15H22O	349498-47-1	72
3	Phenol, m-tert-butyl-	150	C10H14O	000585-34-2	72
4	Phenol, 4-(1,1,3,3-tetramethylbu...	206	C14H22O	000140-66-9	64
5	4,6-Bis(4-ethoxybenzylthio)-5-ni...	457	C22H23N3O4S2	325957-76-4	64





Data Path : Z:\HPCHEM1\BNA_F\DATA\BF091815\
Data File : BF081701.D
Acq On : 18 Sep 2015 17:27
Operator : UM/IZ
Sample : G3704-05
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : MW-6-9-15-15

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF090115.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

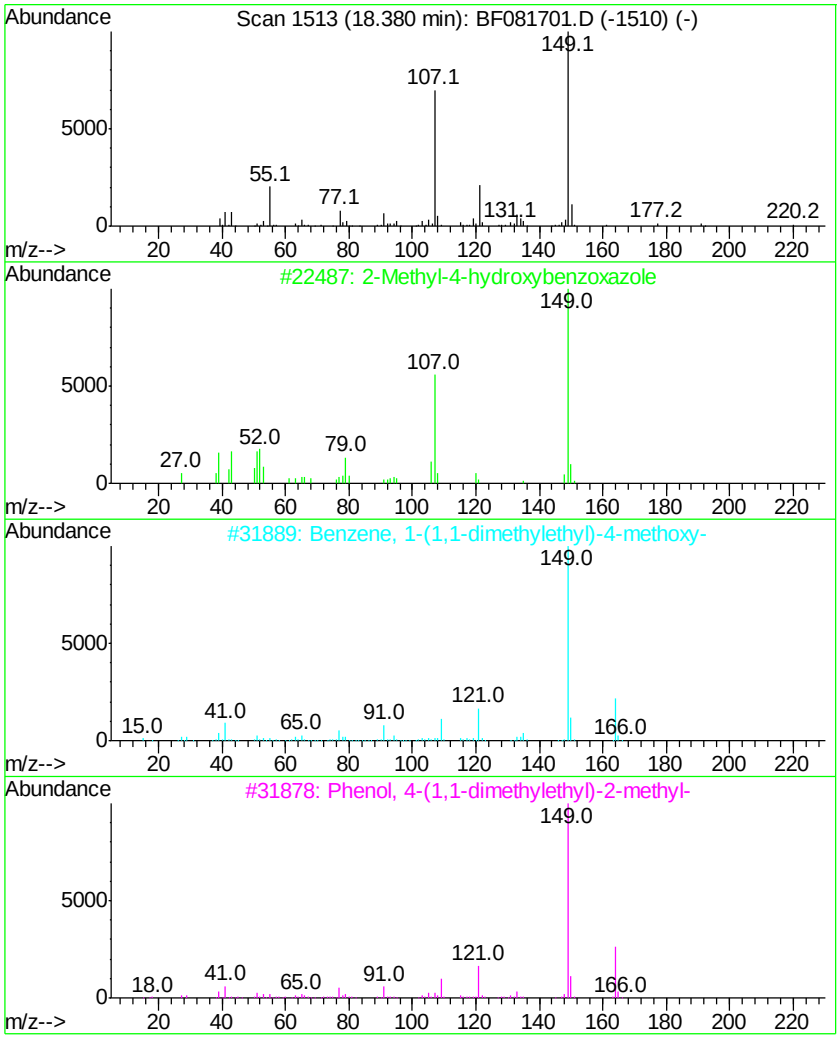
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

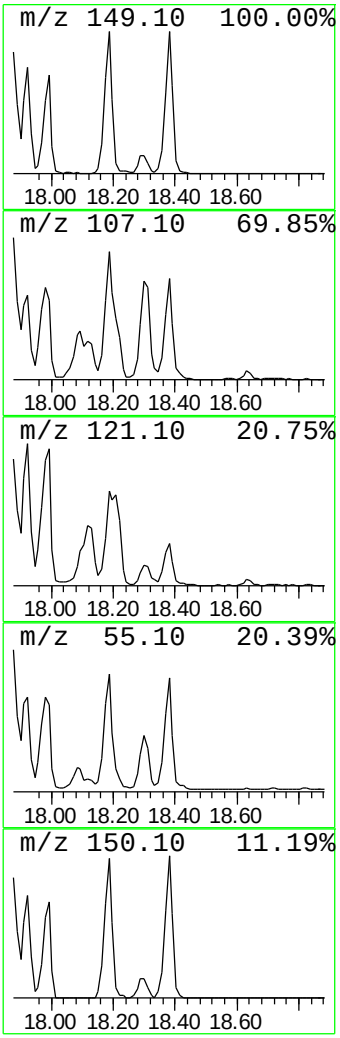
****

Peak Number 13 2-Methyl-4-hydroxybenzoxazole Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.38	35.07 ng	773258	Phenanthrene-d10	18.70

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Methyl-4-hydroxybenzoxazole	149	C8H7NO2	051110-60-2	72
2	Benzene, 1-(1,1-dimethylethyl)-4...	164	C11H16O	005396-38-3	50
3	Phenol, 4-(1,1-dimethylethyl)-2-...	164	C11H16O	000098-27-1	50
4	6-Methylthieno[2,3-b]pyridine	149	C8H7NS	001759-30-4	47
5	Pyridine, pentamethyl-	149	C10H15N	003748-83-2	40





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF091815\
Data File : BF081701.D
Acq On : 18 Sep 2015 17:27
Operator : UM/IZ
Sample : G3704-05
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : MW-6-9-15-15

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF090115.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

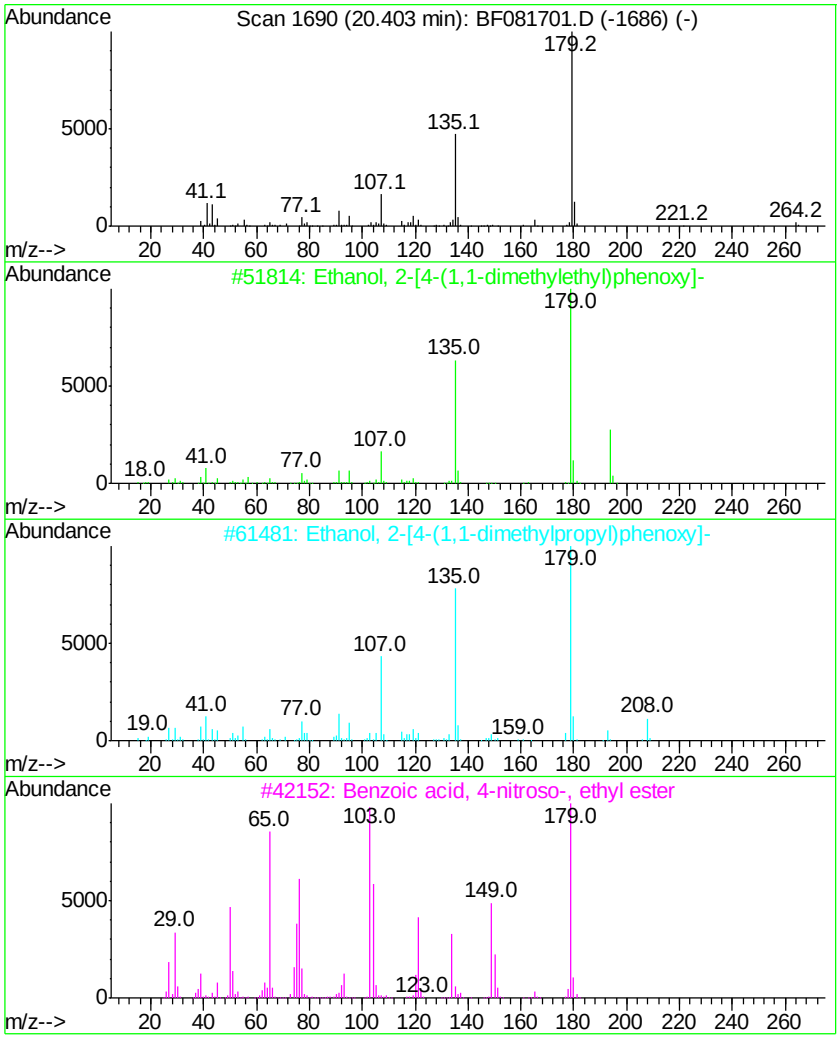
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

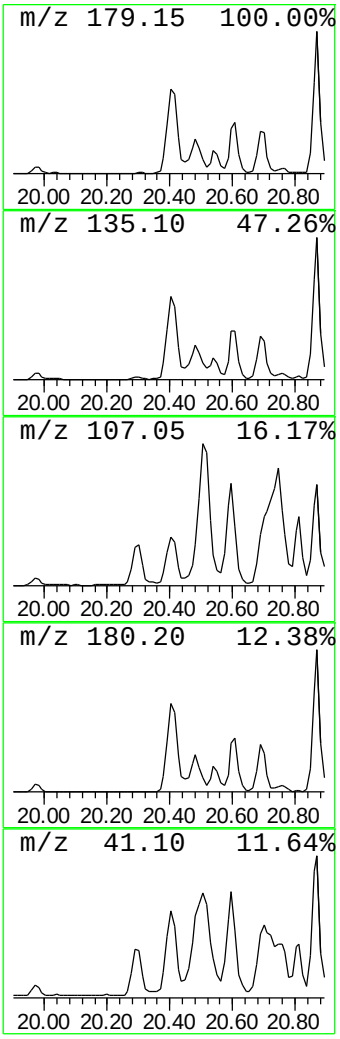
****

Peak Number 14 Ethanol, 2-[4-(1,1-dimethyl... Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.40	51.43 ng	1134190	Phenanthrene-d10	18.70

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Ethanol, 2-[4-(1,1-dimethylethyl...	194	C12H18O2	000713-46-2	86
2	Ethanol, 2-[4-(1,1-dimethylpropy...	208	C13H20O2	006382-07-6	64
3	Benzoic acid, 4-nitroso-, ethyl ...	179	C9H9NO3	007476-79-1	43
4	6H-Purin-6-one, 2-(dimethylamino...	179	C7H9N5O	001445-15-4	38
5	2-Cyclopenten-1-one, 3-(1-hepten...	250	C15H26OSi	1000159-28-7	37





Data Path : Z:\HPCHEM1\BNA_F\DATA\BF091815\
Data File : BF081701.D
Acq On : 18 Sep 2015 17:27
Operator : UM/IZ
Sample : G3704-05
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : MW-6-9-15-15

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF090115.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

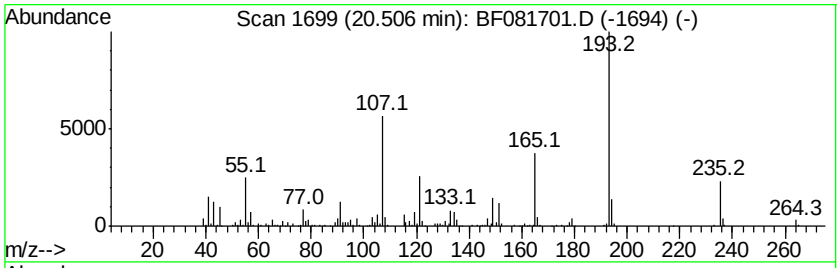
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

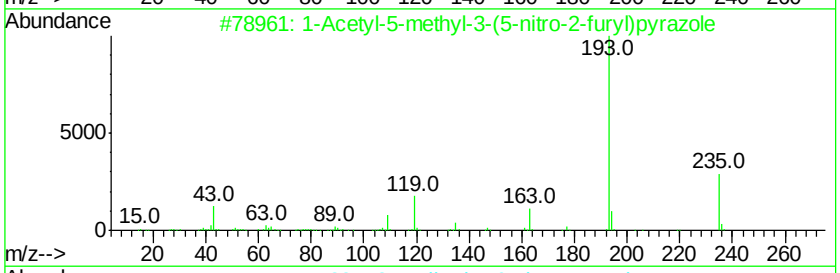
****

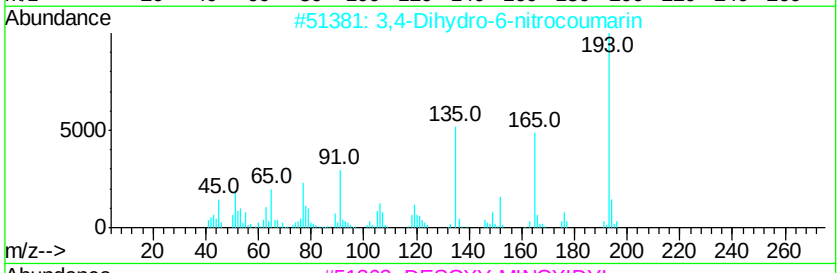
Peak Number 15 1-Acetyl-5-methyl-3-(5-nitr... Concentration Rank 4

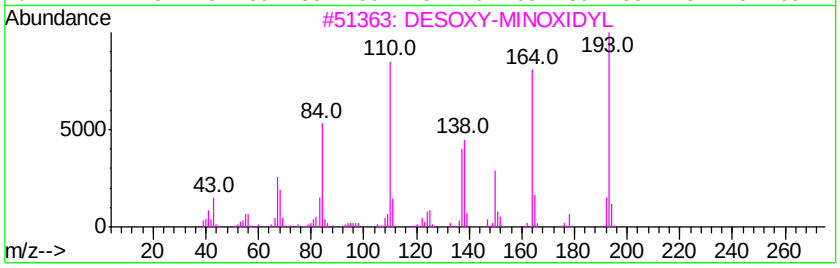
R.T.	EstConc	Area	Relative to ISTD	R.T.
20.51	111.98 ng	2469380	Phenanthrene-d10	18.70

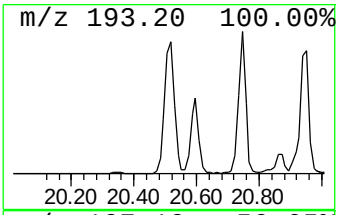
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Acetyl-5-methyl-3-(5-nitro-2-f...	235	C10H9N3O4	016239-91-1	60
2	3,4-Dihydro-6-nitrocoumarin	193	C9H7NO4	020920-99-4	46
3	DESOXY-MINOXIDYL	193	C9H15N5	1000246-13-2	45
4	3-Phenylindole	193	C14H11N	001504-16-1	43
5	2-Anthracenamine	193	C14H11N	000613-13-8	43

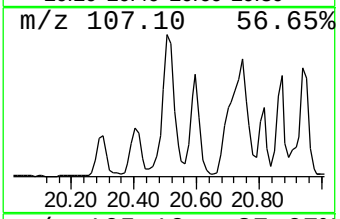


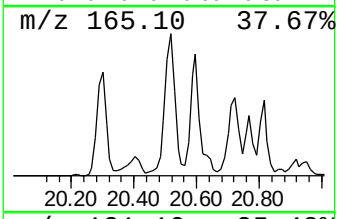


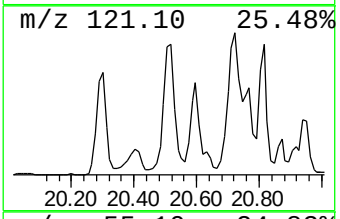


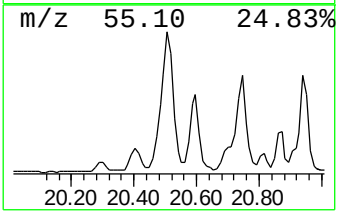












Data Path : Z:\HPCHEM1\BNA_F\DATA\BF091815\
Data File : BF081701.D
Acq On : 18 Sep 2015 17:27
Operator : UM/IZ
Sample : G3704-05
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : MW-6-9-15-15

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF090115.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

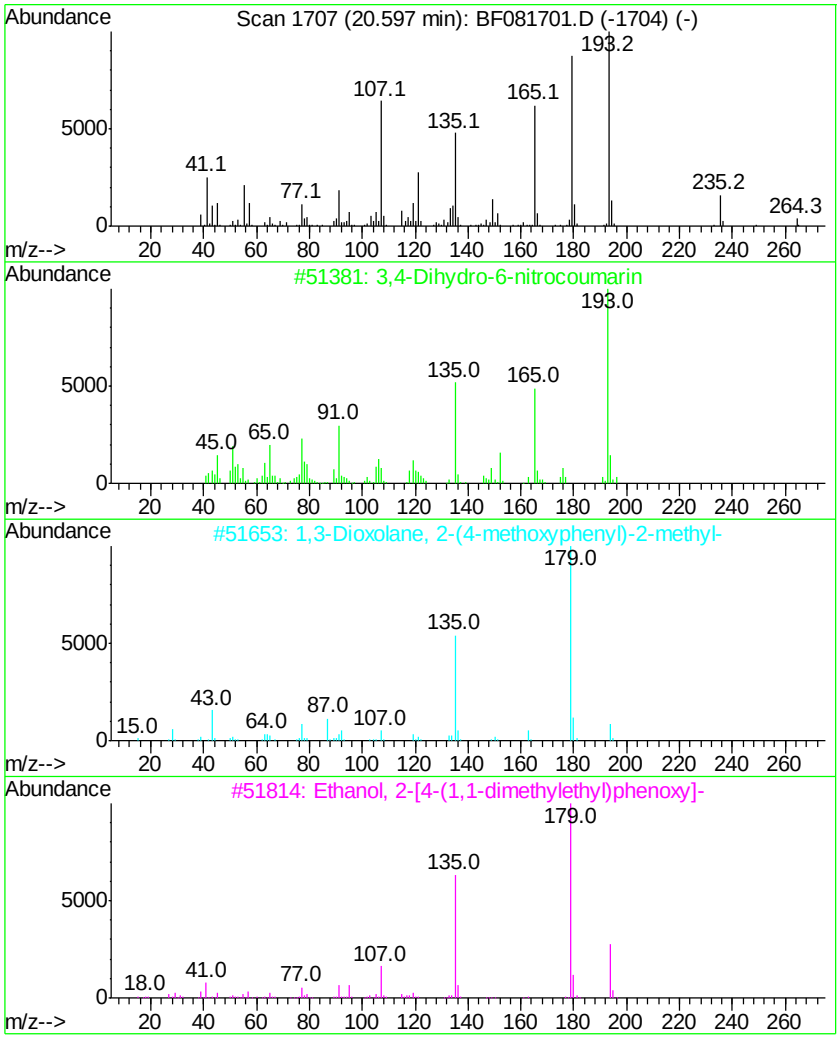
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

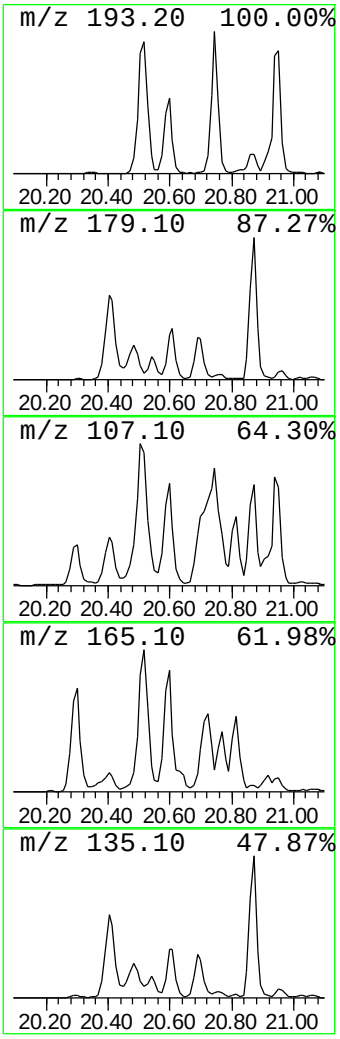
****

Peak Number 16 3,4-Dihydro-6-nitrocoumarin Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.60	62.12 ng	1369760	Phenanthrene-d10	18.70

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3,4-Dihydro-6-nitrocoumarin	193	C9H7NO4	020920-99-4	55
2	1,3-Dioxolane, 2-(4-methoxypheny...	194	C11H14O3	036881-00-2	38
3	Ethanol, 2-[4-(1,1-dimethylethyl...	194	C12H18O2	000713-46-2	35
4	Acetophenone, 2',4'-dimethoxy-3'...	194	C11H14O3	060512-80-3	30
5	Iminostilbene	193	C14H11N	000256-96-2	27





Data Path : Z:\HPCHEM1\BNA_F\DATA\BF091815\
Data File : BF081701.D
Acq On : 18 Sep 2015 17:27
Operator : UM/IZ
Sample : G3704-05
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : MW-6-9-15-15

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF090115.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

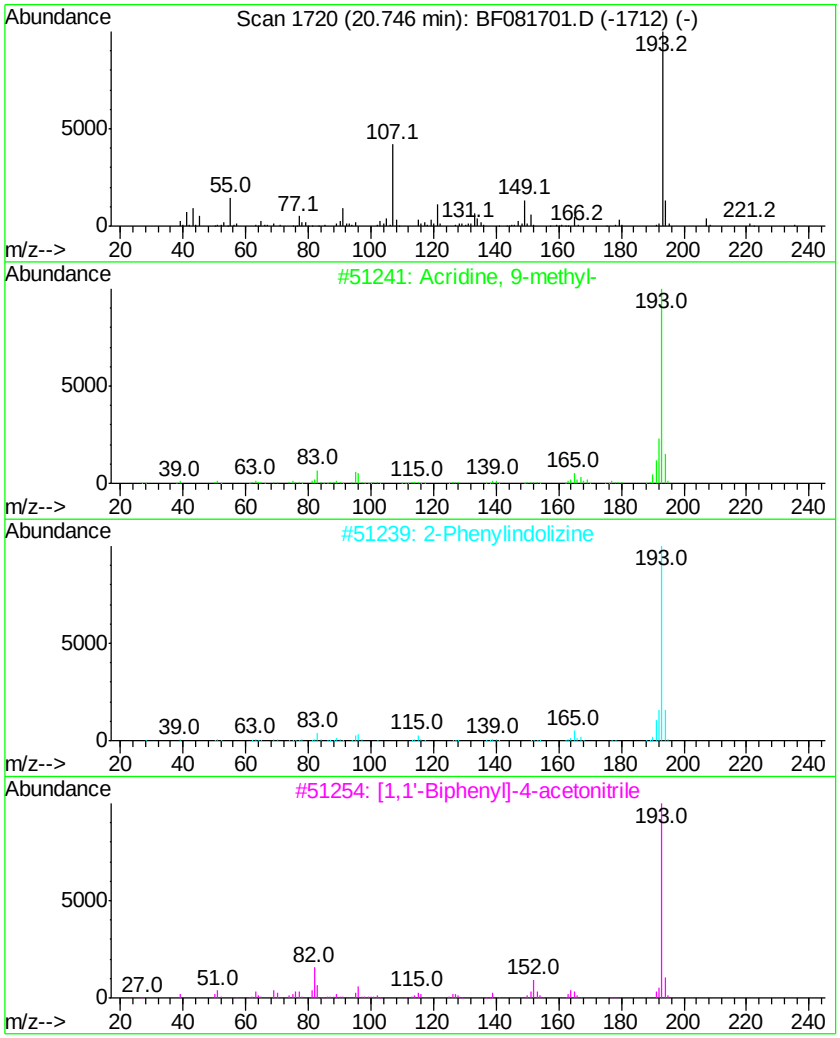
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

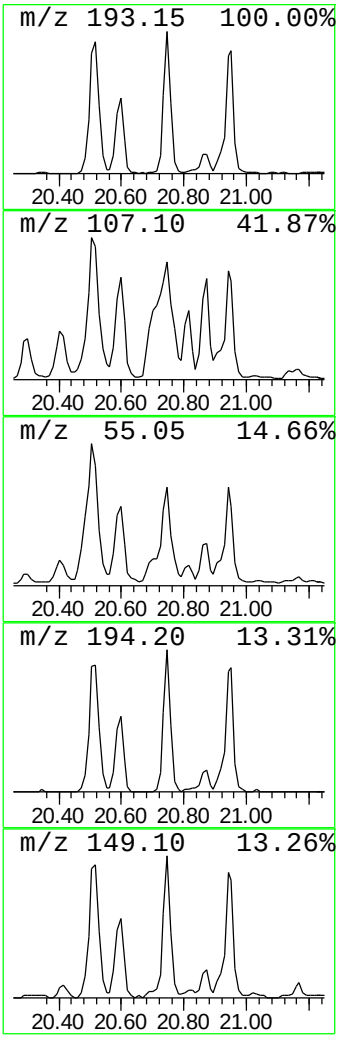
****

Peak Number 17 unknown20.75 Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.75	115.77 ng	2552940	Phenanthrene-d10	18.70

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Acridine, 9-methyl-	193	C14H11N	000611-64-3	43
2	2-Phenylindolizine	193	C14H11N	025379-20-8	43
3	[1,1'-Biphenyl]-4-acetonitrile	193	C14H11N	031603-77-7	43
4	2,4,6-Trimethoxybenzonitrile	193	C10H11NO3	002571-54-2	38
5	1-Cyclohexyldimethylsilyloxy-3-p...	276	C17H28OSi	1000282-21-4	37





Data Path : Z:\HPCHEM1\BNA_F\DATA\BF091815\
Data File : BF081701.D
Acq On : 18 Sep 2015 17:27
Operator : UM/IZ
Sample : G3704-05
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : MW-6-9-15-15

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF090115.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

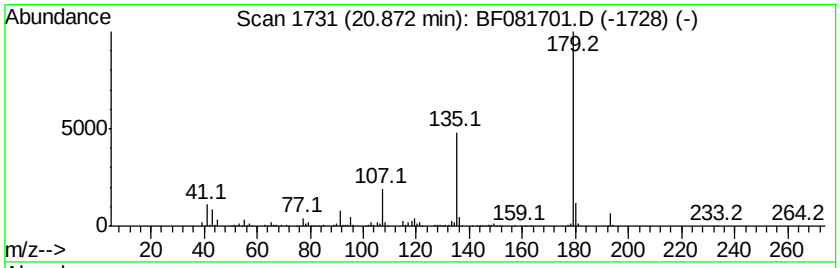
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

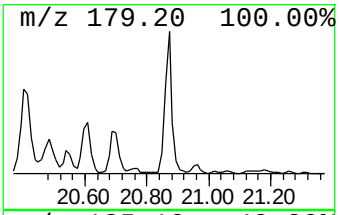
****

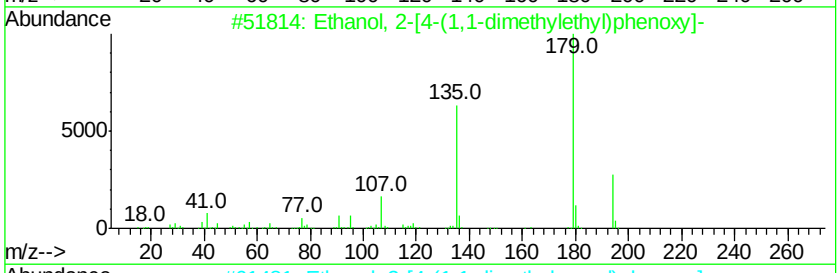
Peak Number 18 Ethanol, 2-[4-(1,1-dimethyl... Concentration Rank 13

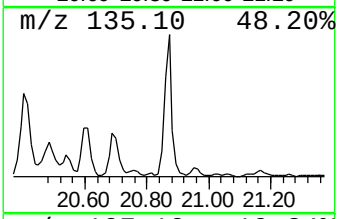
R.T.	EstConc	Area	Relative to ISTD	R.T.
20.87	60.80 ng	1340620	Phenanthrene-d10	18.70

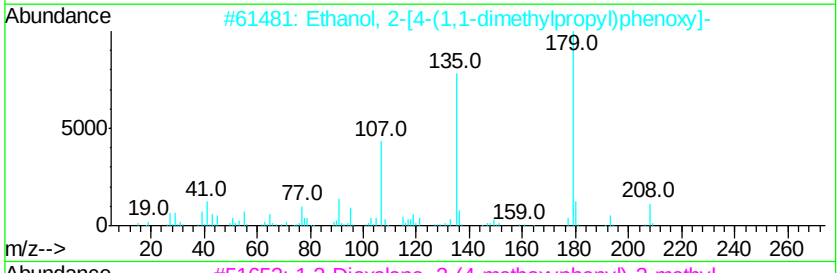
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Ethanol, 2-[4-(1,1-dimethylethyl...	194	C12H18O2	000713-46-2	80
2	Ethanol, 2-[4-(1,1-dimethylpropy...	208	C13H20O2	006382-07-6	74
3	1,3-Dioxolane, 2-(4-methoxypheny...	194	C11H14O3	036881-00-2	64
4	[2-(4-Methoxy-phenyl)-[1,3]dioxo...	238	C12H14O5	1000193-22-2	50
5	Benzoic acid, 4-nitroso-, ethyl ...	179	C9H9NO3	007476-79-1	38

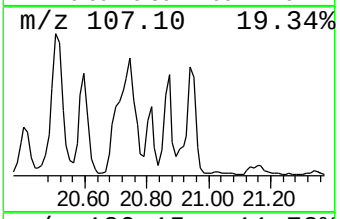


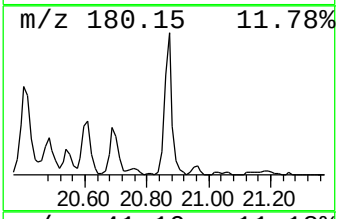


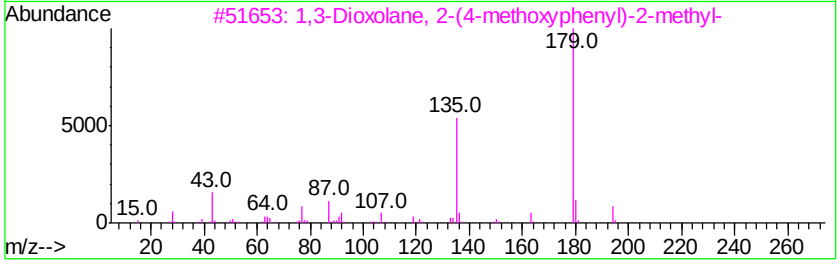


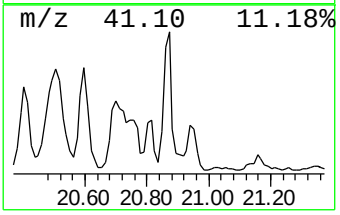












Data Path : Z:\HPCHEM1\BNA_F\DATA\BF091815\
Data File : BF081701.D
Acq On : 18 Sep 2015 17:27
Operator : UM/IZ
Sample : G3704-05
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : MW-6-9-15-15

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF090115.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

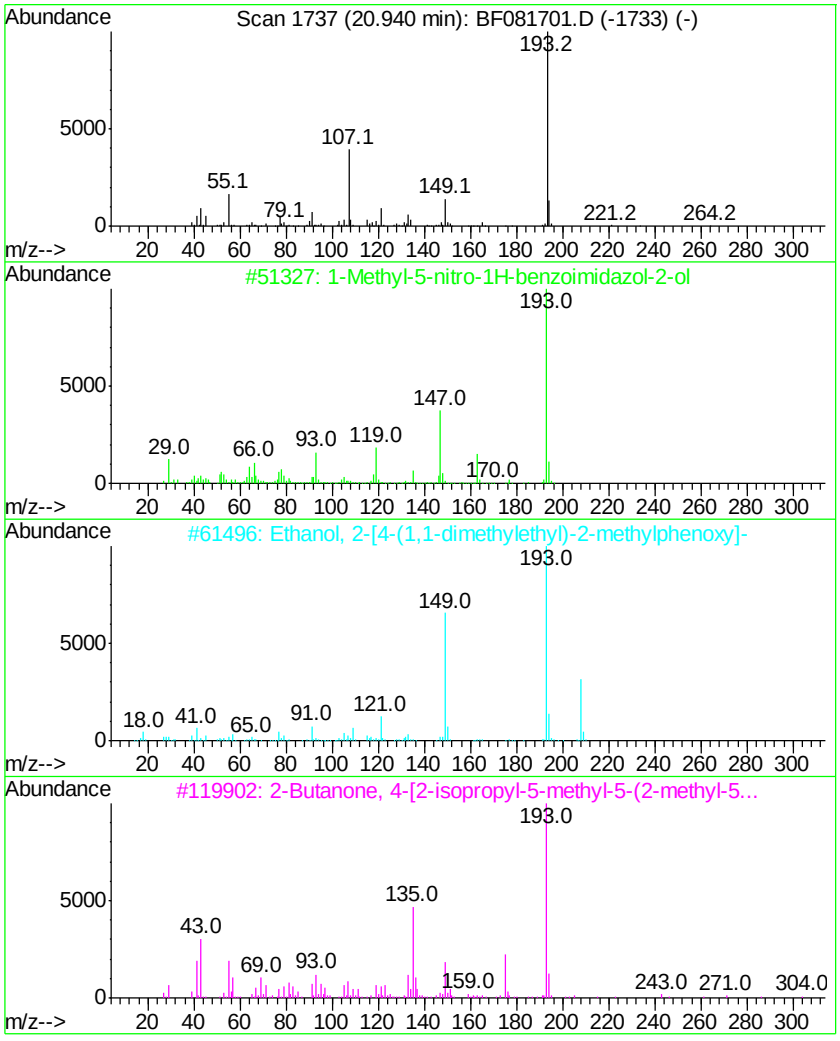
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

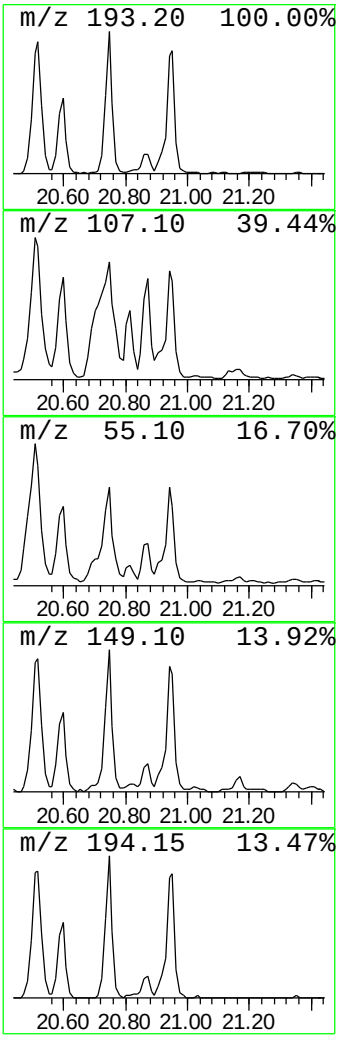
****

Peak Number 19 unknown20.94 Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.94	46.93 ng	1034970	Phenanthrene-d10	18.70

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Methyl-5-nitro-1H-benzoimidazo...	193	C8H7N3O3	066108-85-8	43
2	Ethanol, 2-[4-(1,1-dimethylethyl...	208	C13H20O2	054934-87-1	38
3	2-Butanone, 4-[2-isopropyl-5-met...	304	C20H32O2	1000196-43-1	36
4	2-Aminobenzothiazol-6-carboxamide	193	C8H7N3OS	111962-90-4	28
5	3,4-Dihydro-6-nitrocoumarin	193	C9H7NO4	020920-99-4	28





Data Path : Z:\HPCHEM1\BNA_F\DATA\BF091815\
Data File : BF081701.D
Acq On : 18 Sep 2015 17:27
Operator : UM/IZ
Sample : G3704-05
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : MW-6-9-15-15

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF090115.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

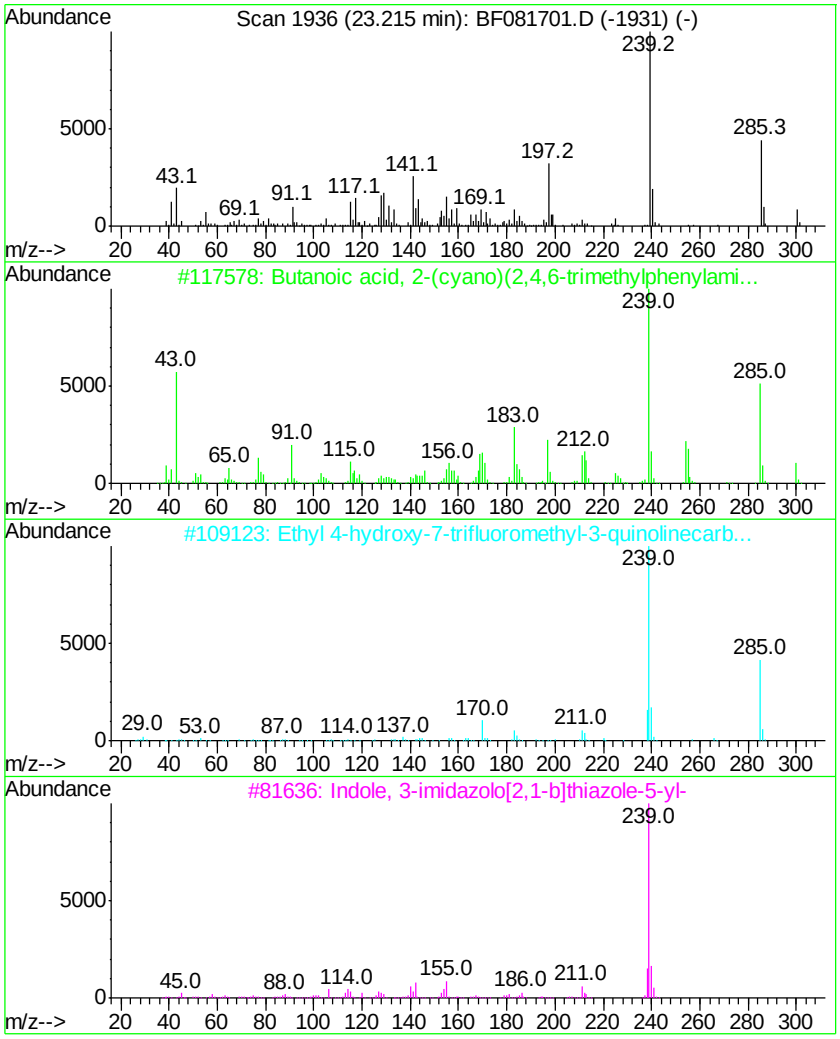
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

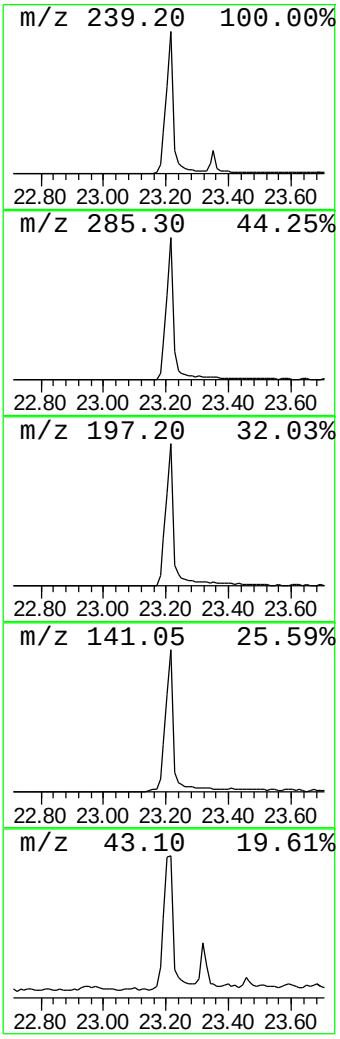
****

Peak Number 20 Butanoic acid, 2-(cyano)(2,... Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
23.21	49.24 ng	1106030	Chrysene-d12	23.35

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butanoic acid, 2-(cyano)(2,4,6-t...	300	C17H20N2O3	1000267-71-7	72
2	Ethyl 4-hydroxy-7-trifluoromethy...	285	C13H10F3NO3	000391-02-6	53
3	Indole, 3-imidazolo[2,1-b]thiazo...	239	C13H9N3S	292855-05-1	38
4	Cobalt, (.eta.5-2,4-cyclopentadi...	239	C14H12Co	088242-61-9	35
5	5-Nitro-3-phenyl-1H-indazole	239	C13H9N3O2	293758-67-5	35





Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF091815\
Data File : BF081701.D
Acq On : 18 Sep 2015 17:27
Operator : UM/IZ
Sample : G3704-05
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : MW-6-9-15-15

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF090115.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
Butane, 2-methoxy...	1.22	227.3	ng	3106590	1	8.16	273397	20.0
unknown7.68	7.68	78.5	ng	1072980	1	8.16	273397	20.0
Benzene, 1,2,3-tr...	7.80	45.7	ng	624274	1	8.16	273397	20.0
Phenol, 4-(1,1,3,...	17.77	87.6	ng	1932080	4	18.70	441027	20.0
Phenol, 2-(1,1-di...	17.88	96.5	ng	2127370	4	18.70	441027	20.0
unknown17.92	17.92	42.3	ng	932330	4	18.70	441027	20.0
Phenol, p-tert-bu...	17.98	73.1	ng	1611890	4	18.70	441027	20.0
Phenol, 4-(1,1-di...	18.08	44.3	ng	975951	4	18.70	441027	20.0
Methanol, (cycloh...	18.30	90.3	ng	1992010	4	18.70	441027	20.0
2-Methyl-4-hydrox...	18.38	35.1	ng	773258	4	18.70	441027	20.0
Ethanol, 2-[4-(1,...	20.40	51.4	ng	1134190	4	18.70	441027	20.0
1-Acetyl-5-methyl...	20.51	112.0	ng	2469380	4	18.70	441027	20.0
3,4-Dihydro-6-nit...	20.60	62.1	ng	1369760	4	18.70	441027	20.0
unknown20.75	20.75	115.8	ng	2552940	4	18.70	441027	20.0
Ethanol, 2-[4-(1,...	20.87	60.8	ng	1340620	4	18.70	441027	20.0
unknown20.94	20.94	46.9	ng	1034970	4	18.70	441027	20.0
Butanoic acid, 2-...	23.21	49.2	ng	1106030	5	23.35	449244	20.0