LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF011617\
Data File : BF092297.D
Acq On : 16 Jan 2017 20:57
Operator : UM/SJ
Sample : I1197-03
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : W-40

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-BF122116.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	3.924	186	187	197	rVB	28500	70812	1.13%	0.071%
2	4.667	250	252	264	rVB	585403	822833	13.08%	0.821%
3	5.147	292	294	304	rBV	2192924	2665063	42.35%	2.658%
4	6.222	386	388	396	rBV	1188300	1752258	27.84%	1.747%
5	6.336	396	398	400	rBV	5035240	4898933	77.85%	4.886%
6	6.519	410	414	416	rBV2	131085	191009	3.04%	0.190%
7	6.564	416	418	420	rBV	1007316	1111113	17.66%	1.108%
8	6.713	429	431	436	rBV2	3593420	4906468	77.97%	4.893%
9	6.816	438	440	443	rVV	338175	369807	5.88%	0.369%
10	6.907	445	448	451	rBV2	257881	462944	7.36%	0.462%
11	7.136	463	468	471	rBV2	3798749	5116028	81.30%	5.102%
12	7.216	474	475	477	rVV	203247	193475	3.07%	0.193%
13	7.262	477	479	480	rVV	159882	187978	2.99%	0.187%
14	7.342	483	486	488	rVB	804879	843363	13.40%	0.841%
15	7.422	488	493	495	rVB2	83725	138309	2.20%	0.138%
16	7.467	495	497	498	rBV	156600	183576	2.92%	0.183%
17	7.513	498	501	506	rVB3	412544	857831	13.63%	0.855%
18	7.593	506	508	510	rBV	1727275	1874906	29.79%	1.870%
19	7.627	510	511	513	rVB	142073	148670	2.36%	0.148%
20	7.685	513	516	518	rBV	633631	839117	13.33%	0.837%
21	7.730	518	520	522	rVB	222830	209590	3.33%	0.209%
22	7.787	522	525	527	rBV2	135142	218316	3.47%	0.218%
23	7.845	528	530	534	rVV3	1686332	3128363	49.71%	3.120%
24	7.947	537	539	541	rVB2	261036	271744	4.32%	0.271%
25	8.016	541	545	546	rBV2	225619	410601	6.52%	0.409%
26	8.050	546	548	550	rVB	423952	389643	6.19%	0.389%
27	8.096	550	552	553	rBV	335789	295318	4.69%	0.295%
28	8.130	553	555	558	rVB	275010	427194	6.79%	0.426%
29	8.233	561	564	566	rVB3	250525	407307	6.47%	0.406%
30	8.325	568	572	573	rBV	334111	460592	7.32%	0.459%
31	8.359	573	575	577	rVV	753556	772257	12.27%	0.770%
32	8.416	577	580	581	rVV2	174019	177608	2.82%	0.177%
33	8.439	581	582	584	rVB2	129724	138595	2.20%	0.138%
34	8.508	586	588	590	rVB	902865	894931	14.22%	0.892%

LSC Area Percent Report

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Data File : BF092297.D
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Operator : UM/SJ
Sample : I1197-03
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : W-40

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-BF122116.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	8.565	590	593	595	rVB	1005041	1005663	15.98%	1.003%
36	8.622	595	598	599	rBV2	99358	178632	2.84%	0.178%
37	8.656	599	601	607	rVV	1427685	1772230	28.16%	1.767%
38	8.759	607	610	612	rVV4	226261	426580	6.78%	0.425%
39	8.816	612	615	618	rVV4	229622	563230	8.95%	0.562%
40	8.873	618	620	623	rVV3	466070	864067	13.73%	0.862%
41	8.930	623	625	626	rVV	6090138	5737582	91.17%	5.722%
42	8.953	626	627	630	rVB	744163	660726	10.50%	0.659%
43	9.045	630	635	637	rBV4	224023	617901	9.82%	0.616%
44	9.125	639	642	644	rVV2	267994	518320	8.24%	0.517%
45	9.182	644	647	650	rVV	993885	1715191	27.26%	1.710%
46	9.262	650	654	655	rVV	1302503	1988007	31.59%	1.983%
47	9.285	655	656	661	rVV2	1150487	1791242	28.46%	1.786%
48	9.376	663	664	667	rVV2	551618	808138	12.84%	0.806%
49	9.456	670	671	672	rVV	284237	252570	4.01%	0.252%
50	9.490	672	674	675	rVV2	230988	326441	5.19%	0.326%
51	9.536	675	678	679	rVV2	368843	670645	10.66%	0.669%
52	9.593	681	683	685	rVV	2153777	2115351	33.61%	2.110%
53	9.639	685	687	688	rVV2	219512	305613	4.86%	0.305%
54	9.685	688	691	692	rVV2	275293	555172	8.82%	0.554%
55	9.753	695	697	700	rVV3	521576	1147295	18.23%	1.144%
56	9.799	700	701	703	rVV	439659	451311	7.17%	0.450%
57	9.845	703	705	706	rVV	155290	197343	3.14%	0.197%
58	9.902	706	710	712	rVV	1151612	1854712	29.47%	1.850%
59	9.948	712	714	715	rVV	408819	650553	10.34%	0.649%
60	9.993	715	718	719	rVV2	569113	1058301	16.82%	1.055%
61	10.016	719	720	724	rVV3	245411	606967	9.65%	0.605%
62	10.131	724	730	734	rVV3	2128384	6293036	100.00%	6.276%
63	10.233	737	739	740	rVV2	348220	561457	8.92%	0.560%
64	10.256	740	741	744	rVV	762273	847149	13.46%	0.845%
65	10.336	746	748	749	rVV2	981534	1359675	21.61%	1.356%
66	10.382	750	752	755	rVV2	2775651	4874793	77.46%	4.861%
67	10.451	755	758	759	rVV2	1228626	2189777	34.80%	2.184%
68	10.473	759	760	763	rVV	1433103	2293009	36.44%	2.287%
69	10.531	763	765	767	rVV	530639	820113	13.03%	0.818%
70	10.576	767	769	770	rVV	172884	252859	4.02%	0.252%
71	10.611	770	772	776	rVV2	447947	1013946	16.11%	1.011%

LSC Area Percent Report

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Misc :
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Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
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Start Thrs: 0.2 Max Peaks: 100
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Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF122116.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

72	10.679	776	778	780	rVV2	176431	325220	5.17%	0.324%
73	10.759	782	785	787	rVV2	182167	378417	6.01%	0.377%
74	10.793	787	788	793	rVV2	162960	311376	4.95%	0.311%
75	10.885	794	796	798	rVB	185498	176956	2.81%	0.176%
76	11.068	810	812	814	rBV	1566211	1632380	25.94%	1.628%
77	11.113	814	816	818	rVV2	177451	243082	3.86%	0.242%
78	11.182	820	822	825	rBV3	52604	101585	1.61%	0.101%
79	11.228	825	826	830	rVB3	87381	117083	1.86%	0.117%
80	11.296	830	832	834	rVV	442196	433742	6.89%	0.433%
81	11.342	834	836	838	rVB	82279	134833	2.14%	0.134%
82	11.388	838	840	842	rVB2	51721	67627	1.07%	0.067%
83	11.628	859	861	872	rVB2	322428	515188	8.19%	0.514%
84	11.834	877	879	885	rVB2	39627	76092	1.21%	0.076%
85	12.405	927	929	931	rBV	266096	285917	4.54%	0.285%
86	12.451	931	933	936	rVB	390823	567834	9.02%	0.566%
87	12.656	948	951	954	rBV	5080821	6247559	99.28%	6.230%
88	12.714	954	956	963	rVB6	31162	89011	1.41%	0.089%
89	13.445	1018	1020	1025	rBV	276582	329756	5.24%	0.329%
90	13.571	1029	1031	1037	rVB	75509	106993	1.70%	0.107%
91	13.697	1040	1042	1045	rBV	1639125	1593875	25.33%	1.590%
92	14.325	1095	1097	1104	rVB2	96229	154160	2.45%	0.154%
93	15.045	1157	1160	1163	rBV	1044000	1203746	19.13%	1.200%

Sum of corrected areas: 100274581

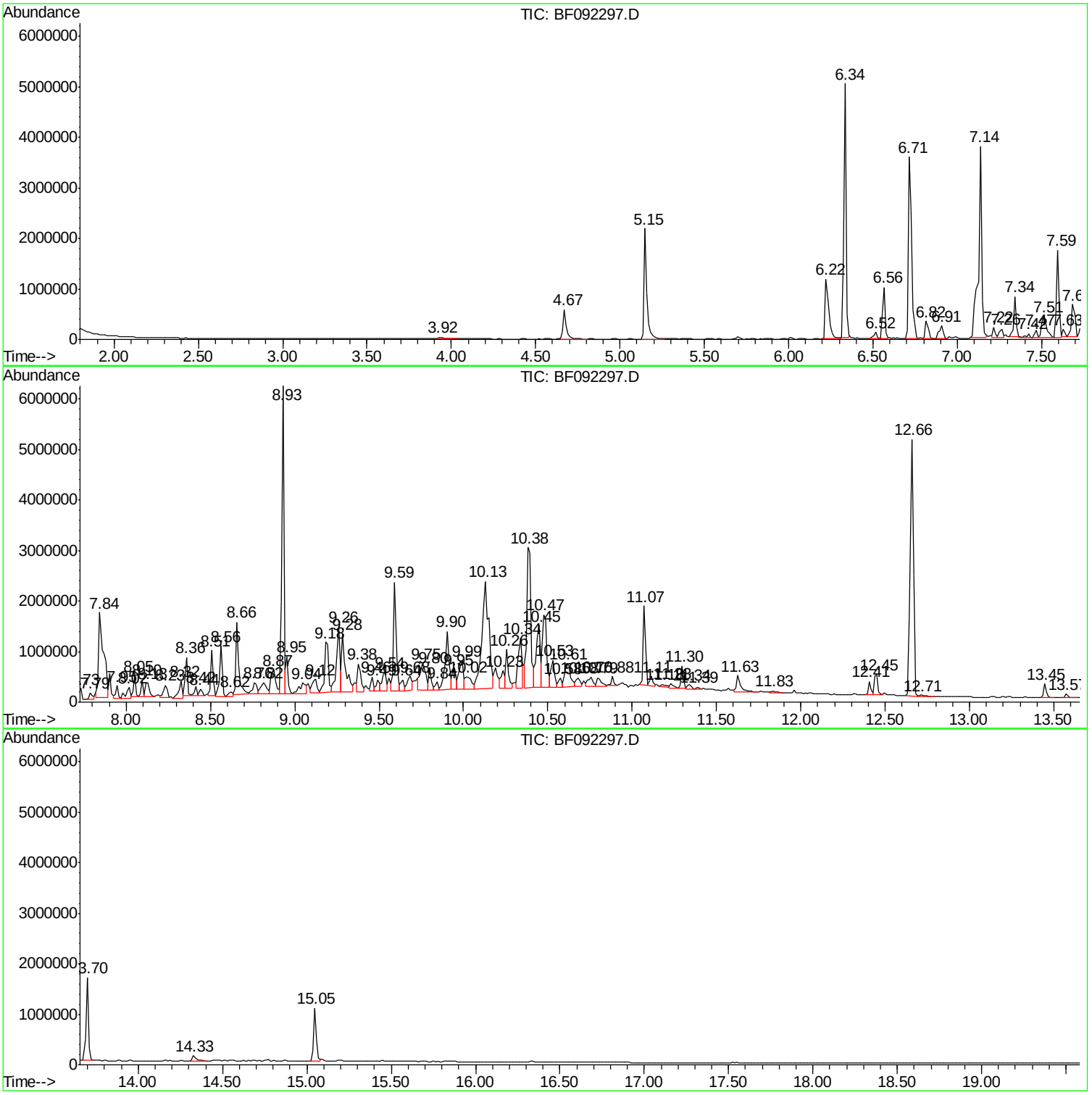
LSC Report - Integrated Chromatogram

Data Path : Z:\HPCHEM1\BNA F\DATA\BF011617\
Data File : BF092297.D
Acq On : 16 Jan 2017 20:57
Operator : UM/SJ
Sample : I1197-03
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : W-40

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF122116.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\BF011617\
Data File : BF092297.D
Acq On : 16 Jan 2017 20:57
Operator : UM/SJ
Sample : I1197-03
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_F
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

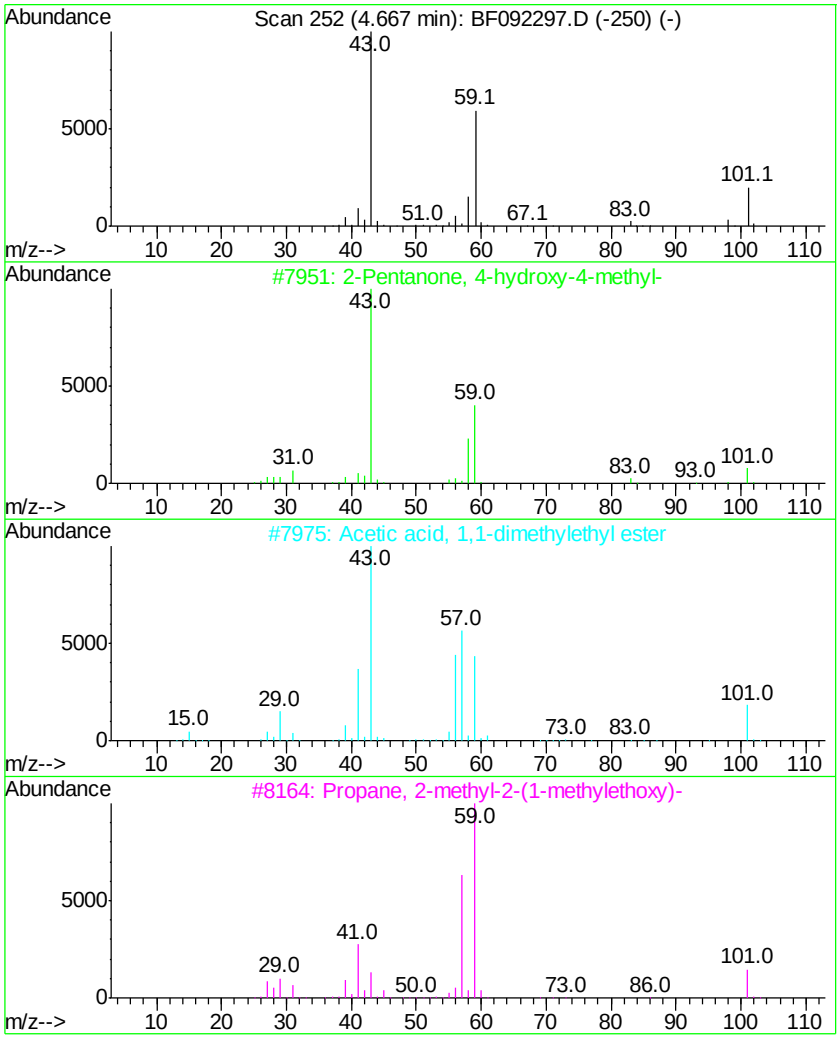
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

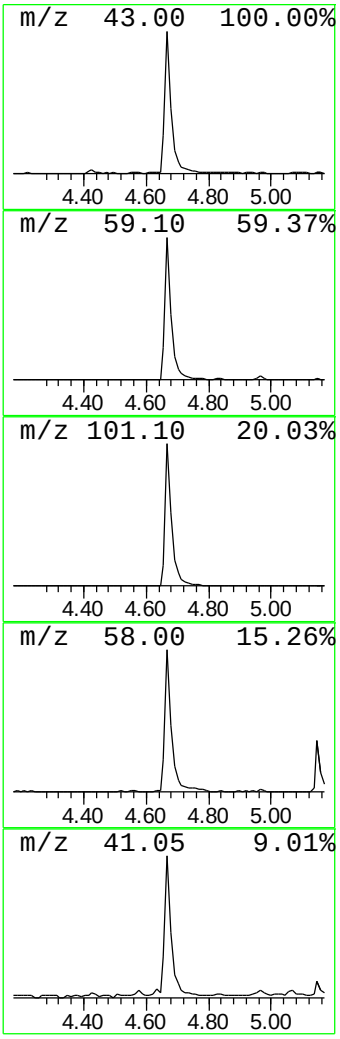
****

Peak Number 1 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.67	14.81 ng	822833	1,4-Dichlorobenzene-d4	6.56

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	56
2	Acetic acid, 1,1-dimethylethyl e...	116	C6H12O2	000540-88-5	39
3	Propane, 2-methyl-2-(1-methyleth...	116	C7H16O	017348-59-3	28
4	Acetic acid, cyano-, 1,1-dimethy...	141	C7H11NO2	001116-98-9	17
5	Morpholine, 4-methyl-	101	C5H11NO	000109-02-4	9





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF011617\
Data File : BF092297.D
Acq On : 16 Jan 2017 20:57
Operator : UM/SJ
Sample : I1197-03
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : W-40

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF122116.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

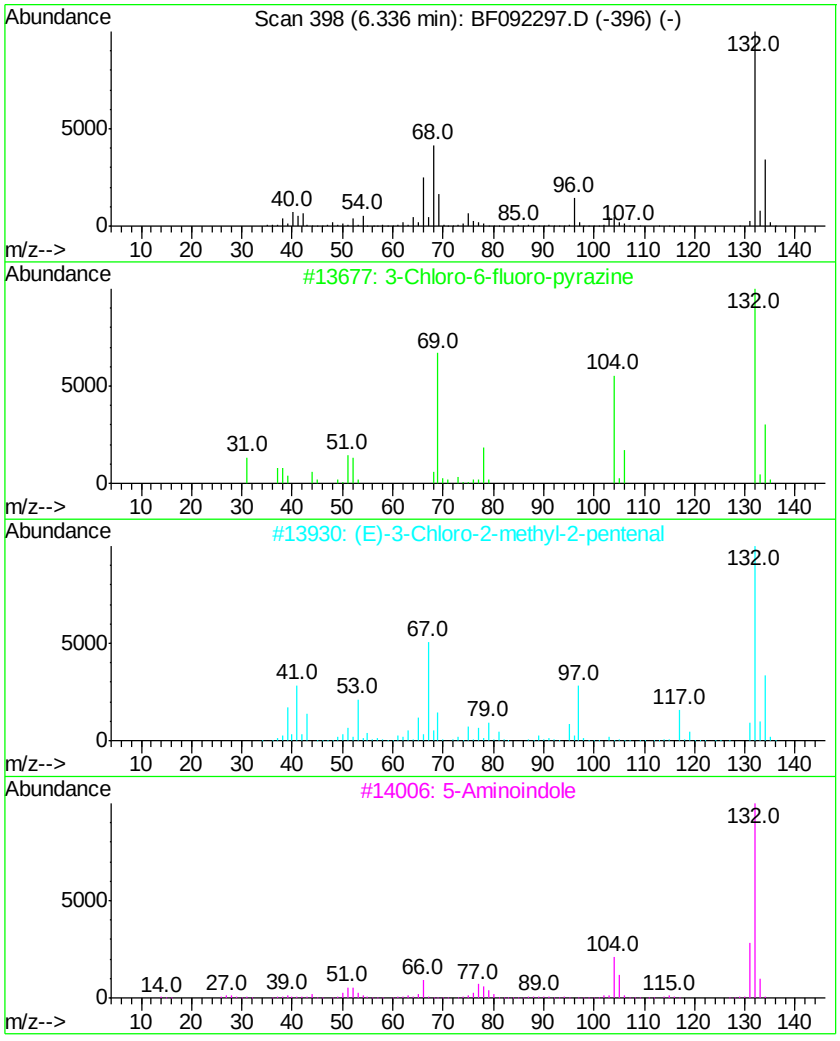
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

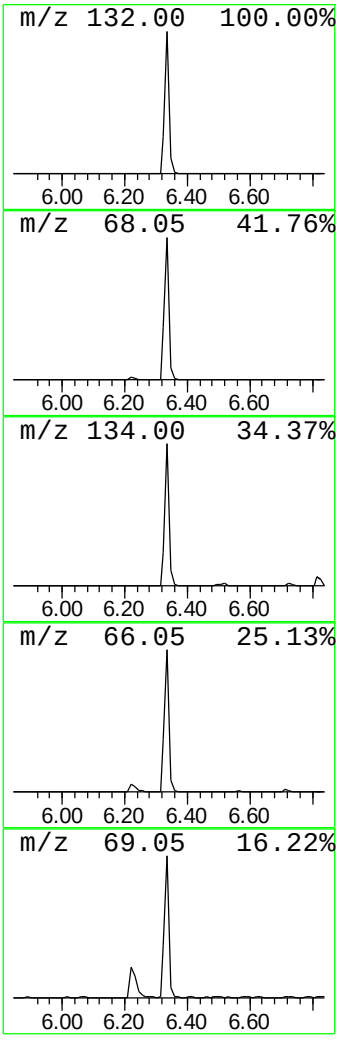
****

Peak Number 2 unknown6.34 Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.34	88.18 ng	4898930	1,4-Dichlorobenzene-d4	6.56

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	27
2	(E)-3-Chloro-2-methyl-2-pentenal	132	C6H9ClO	031357-76-3	16
3	5-Aminoindole	132	C8H8N2	005192-03-0	12
4	4-Chloro-6-fluoro-pyrimidine	132	C4H2ClFN2	051422-01-6	9
5	4-Chloro-2-fluoro-pyrimidine	132	C4H2ClFN2	051422-00-5	9





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Sample : I1197-03
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Instrument : BNA_F
ClientSampleId : W-40

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF122116.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

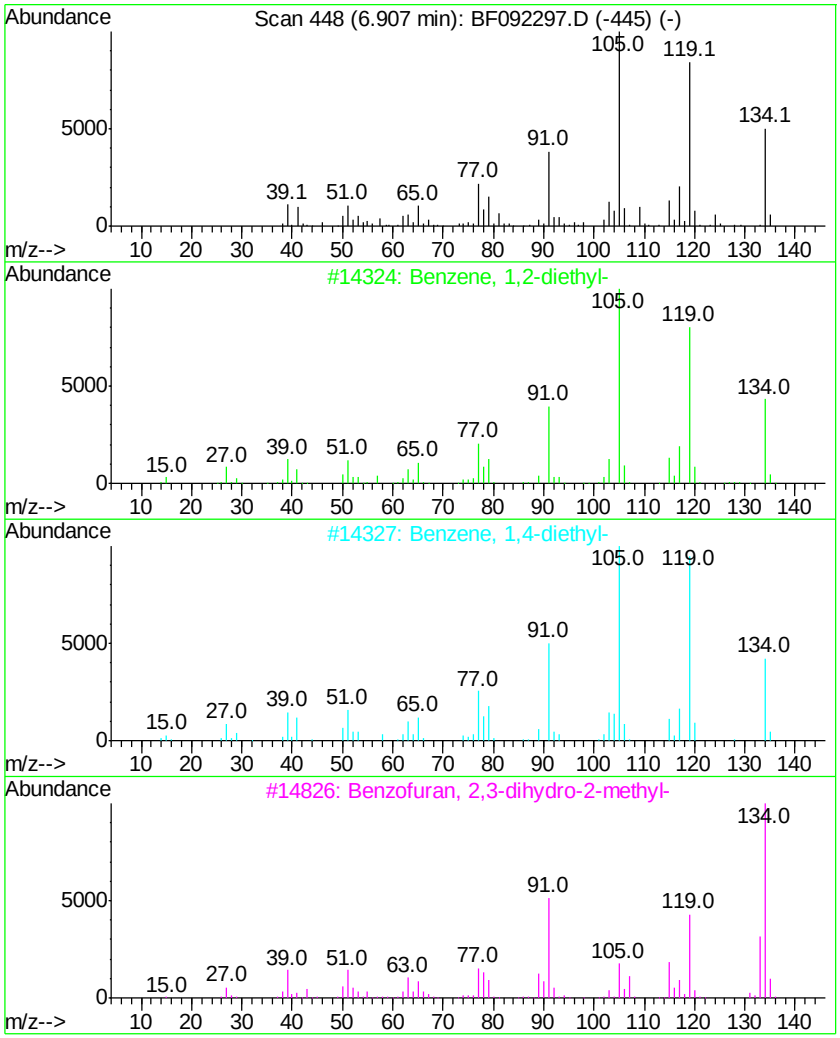
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

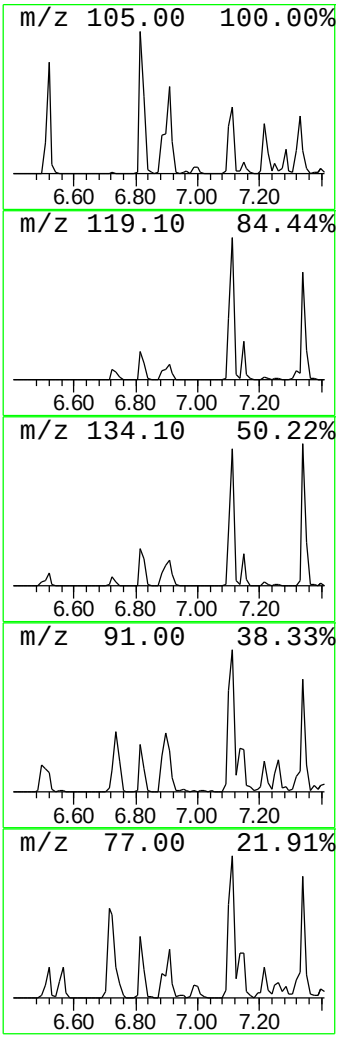
****

Peak Number 4 Benzene, 1,2-diethyl- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.91	8.33 ng	462944	1,4-Dichlorobenzene-d4	6.56

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,2-diethyl-	134	C10H14	000135-01-3	96
2	Benzene, 1,4-diethyl-	134	C10H14	000105-05-5	87
3	Benzofuran, 2,3-dihydro-2-methyl-	134	C9H10O	001746-11-8	83
4	Benzene, 1,3-diethyl-	134	C10H14	000141-93-5	81
5	Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	64





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF011617\
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Sample : I1197-03
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : W-40

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF122116.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

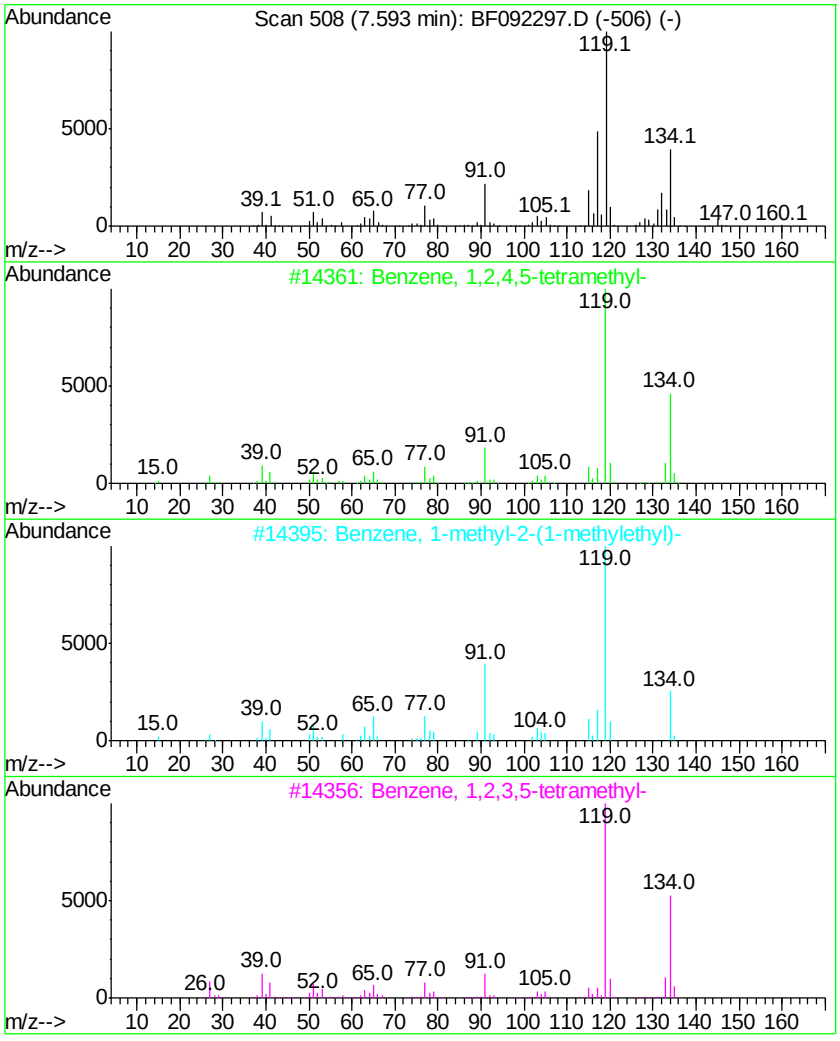
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

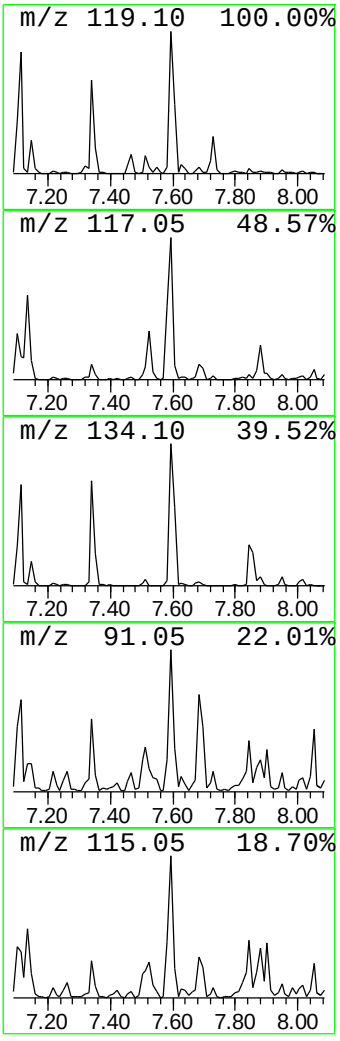
****

Peak Number 5 Benzene, 1,2,4,5-tetramethyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.59	11.99 ng	1874910	Naphthalene-d8	7.84

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	70
2	Benzene, 1-methyl-2-(1-methyleth...	134	C10H14	000527-84-4	70
3	Benzene, 1,2,3,5-tetramethyl-	134	C10H14	000527-53-7	70
4	Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	70
5	Benzene, 1-methyl-4-(1-methyleth...	134	C10H14	000099-87-6	70





Data Path : Z:\HPCHEM1\BNA F\DATA\BF011617\
Data File : BF092297.D
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Operator : UM/SJ
Sample : I1197-03
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : W-40

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF122116.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

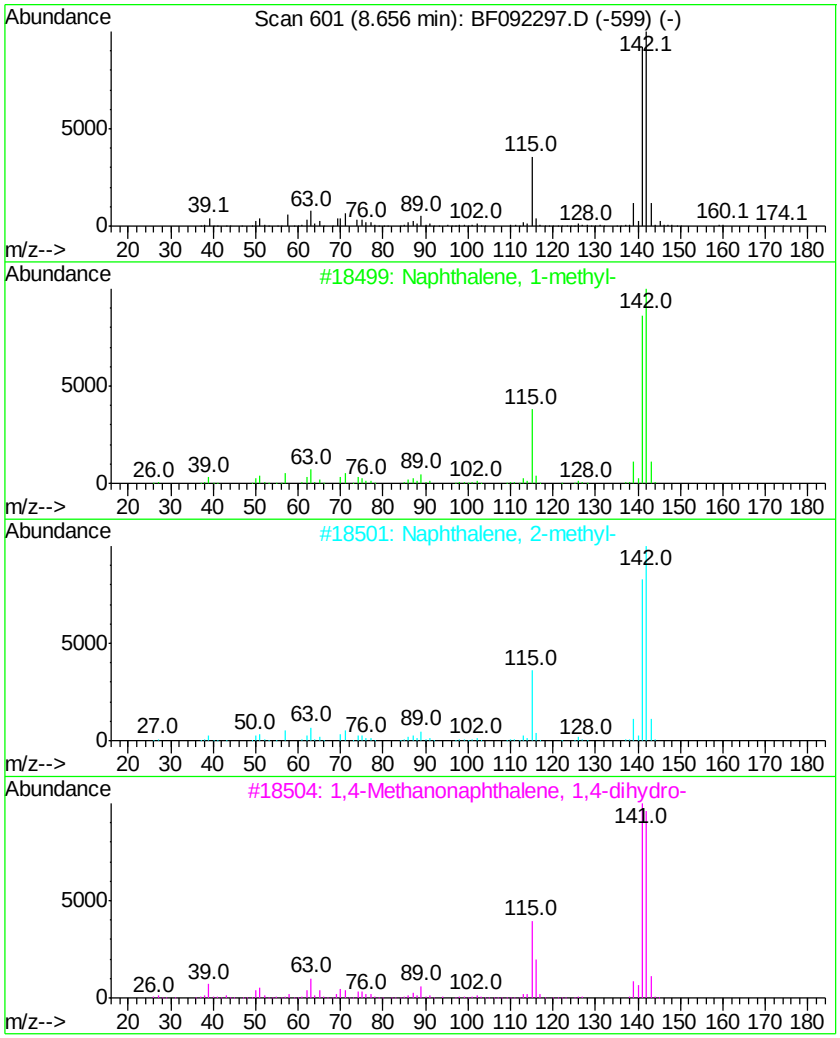
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

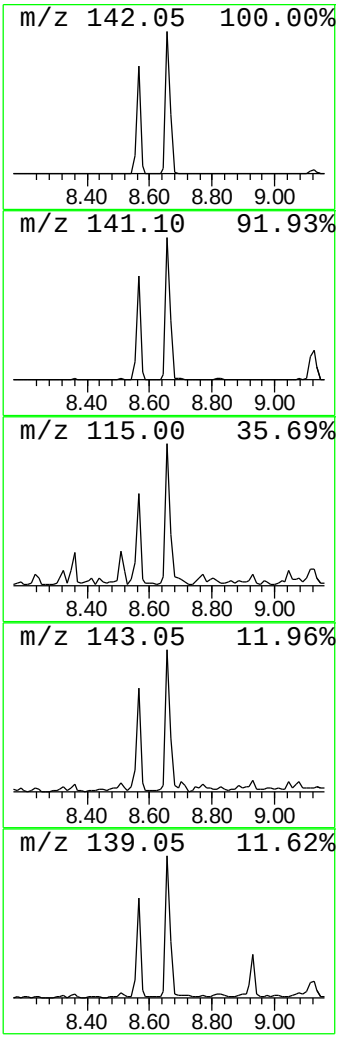
****

Peak Number 6 Naphthalene, 1-methyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.66	11.33 ng	1772230	Naphthalene-d8	7.84

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1-methyl-	142	C11H10	000090-12-0	96
2	Naphthalene, 2-methyl-	142	C11H10	000091-57-6	96
3	1,4-Methanonaphthalene, 1,4-dihy...	142	C11H10	004453-90-1	91
4	Benzocycloheptatriene	142	C11H10	000264-09-5	91
5	Bicyclo[4.4.1]undeca-1,3,5,7,9-p...	142	C11H10	002443-46-1	50





Data Path : Z:\HPCHEM1\BNA F\DATA\BF011617\
Data File : BF092297.D
Acq On : 16 Jan 2017 20:57
Operator : UM/SJ
Sample : I1197-03
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : W-40

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF122116.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

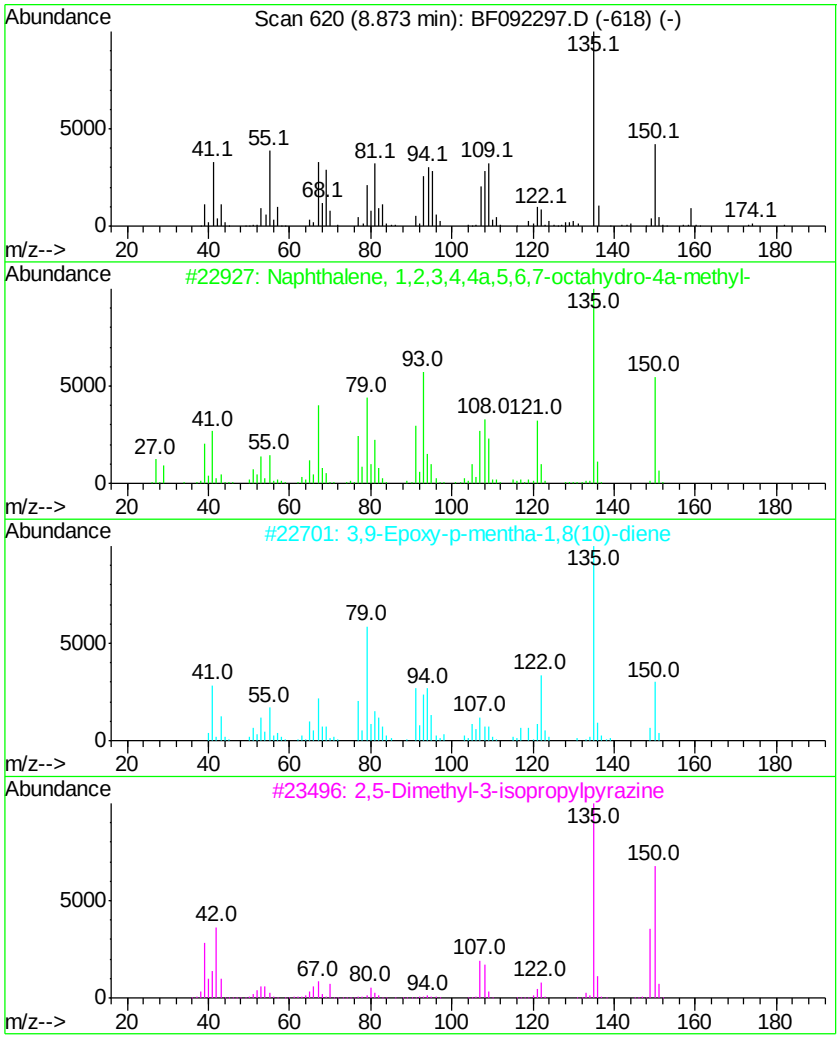
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

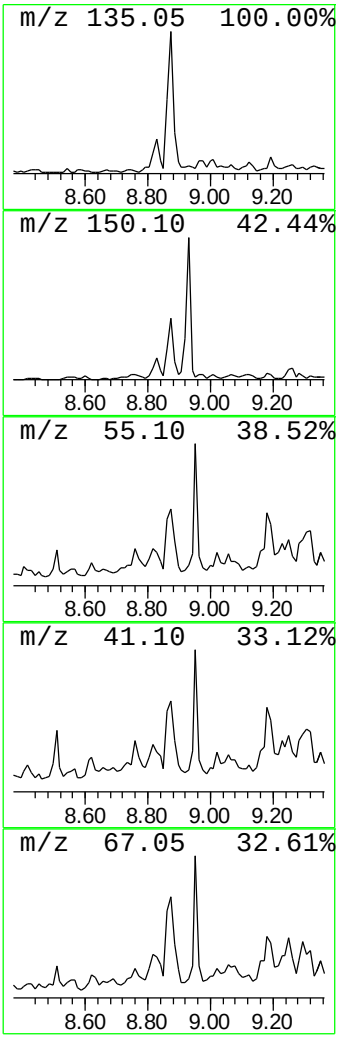
****

Peak Number 7 Naphthalene, 1,2,3,4,4a,5,6... Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.87	8.17 ng	864067	Acenaphthene-d10	9.59

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,2,3,4,4a,5,6,7-oc...	150	C11H18	013943-77-6	64
2	3,9-Epoxy-p-mentha-1,8(10)-diene	150	C10H14O	1000111-14-8	58
3	2,5-Dimethyl-3-isopropylpyrazine	150	C9H14N2	013610-20-3	58
4	Cyclohexene, 2-ethenyl-1,3,3-tri...	150	C11H18	005293-90-3	53
5	Tricyclo[4.4.1.0(1,6)]undecane	150	C11H18	006571-73-9	53





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Acq On : 16 Jan 2017 20:57
Operator : UM/SJ
Sample : I1197-03
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : W-40

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF122116.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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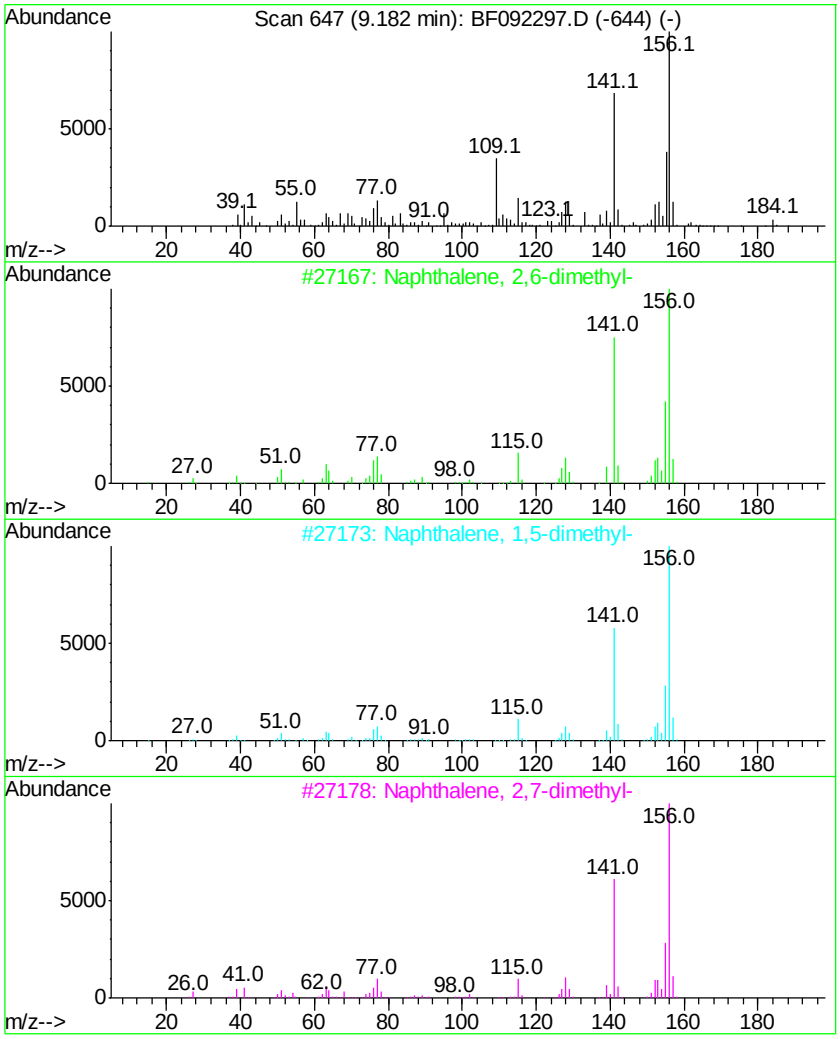
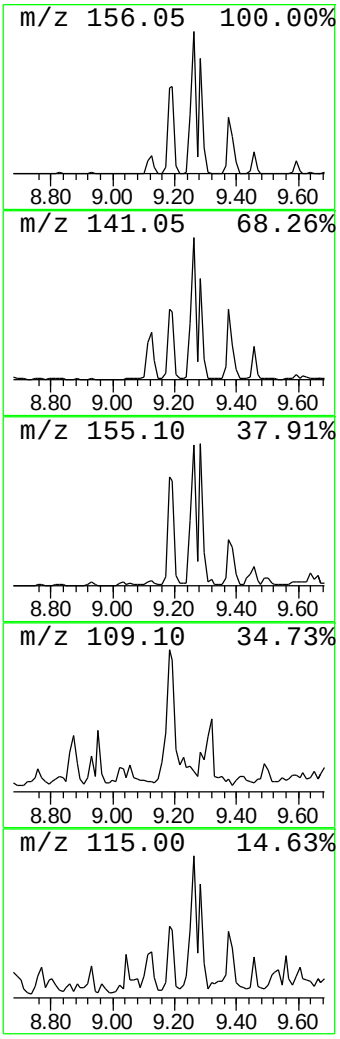
Peak Number 8 Naphthalene, 2,6-dimethyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.18	16.22 ng	1715190	Acenaphthene-d10	9.59

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	98
2	Naphthalene, 1,5-dimethyl-	156	C12H12	000571-61-9	97
3	Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	97
4	Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	97
5	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	96





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Sample : I1197-03
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : W-40

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF122116.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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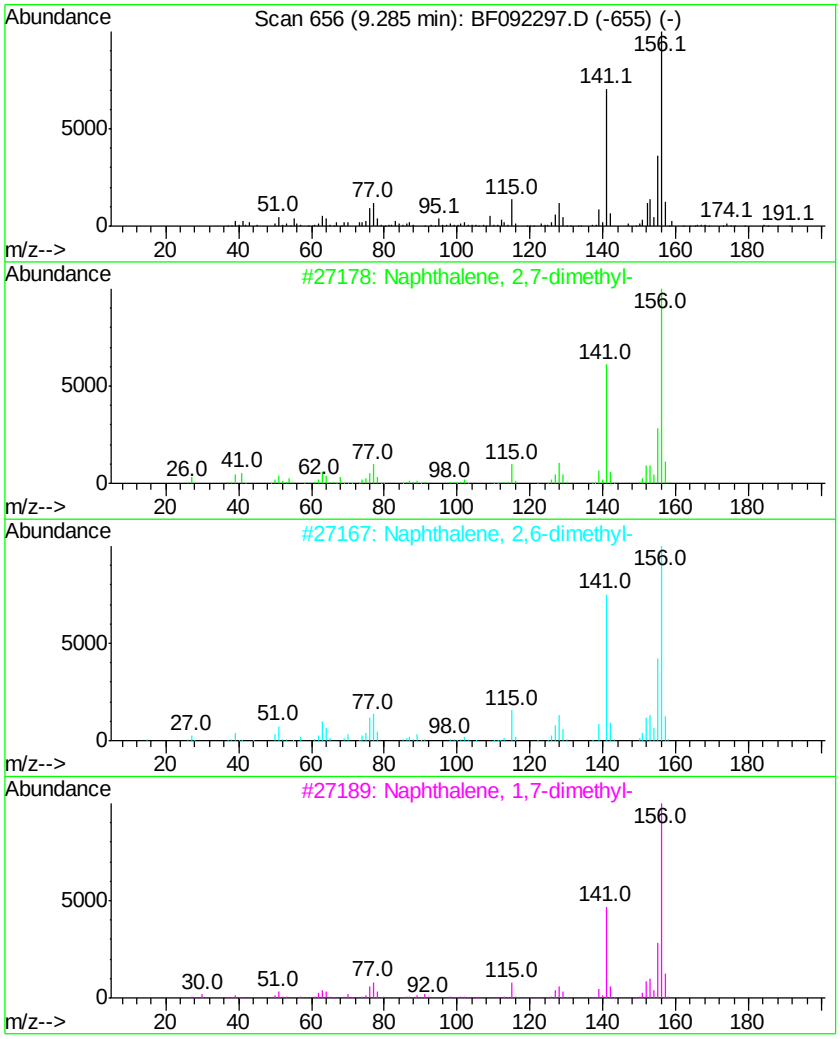
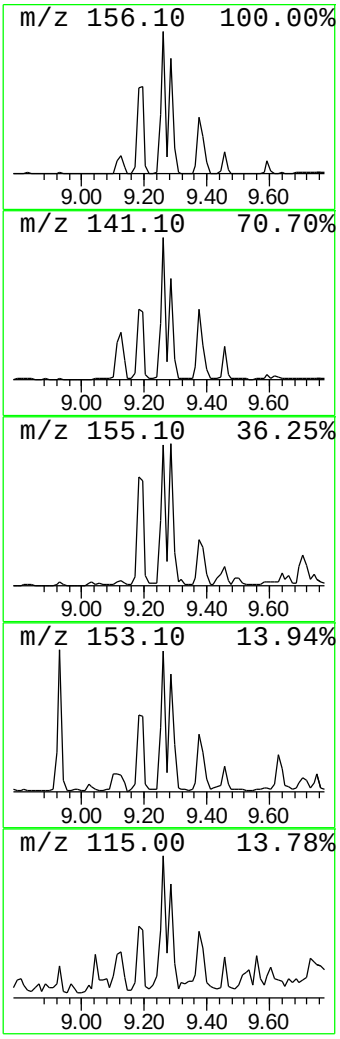
Peak Number 10 Naphthalene, 2,7-dimethyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.28	16.94 ng	1791240	Acenaphthene-d10	9.59

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	97
2	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	97
3	Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	97
4	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	96
5	Naphthalene, 1,4-dimethyl-	156	C12H12	000571-58-4	95





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Sample : I1197-03
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ClientSampleId : W-40

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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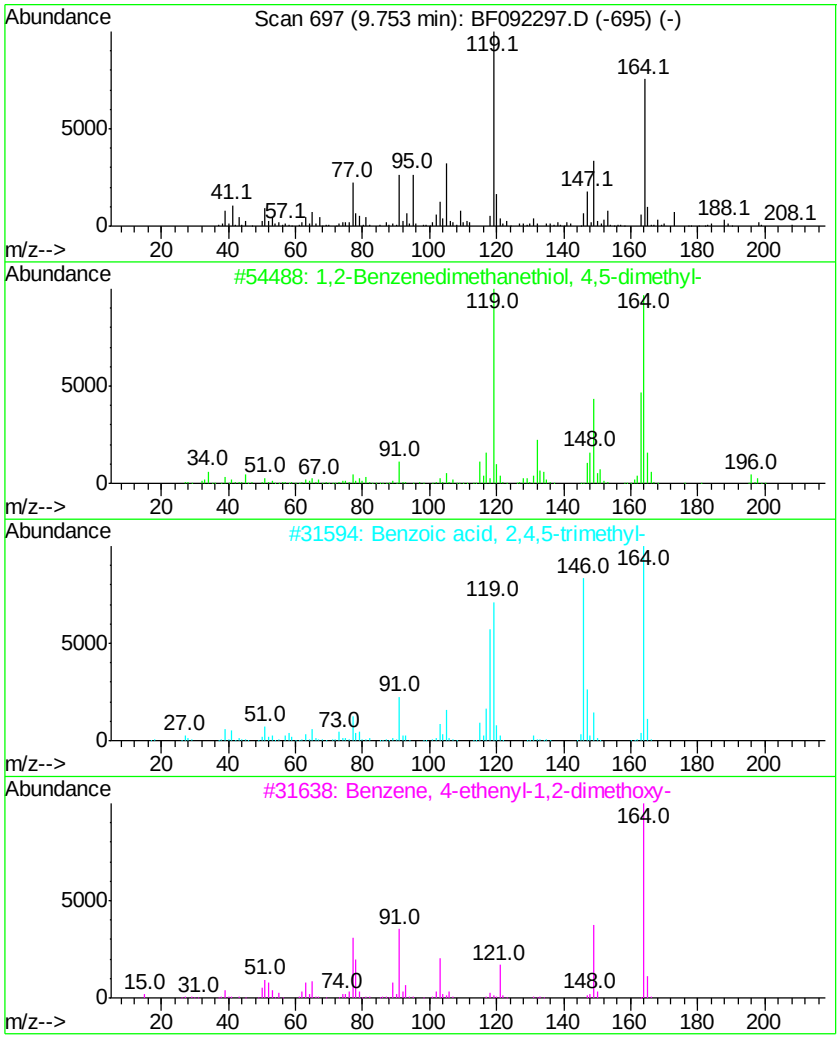
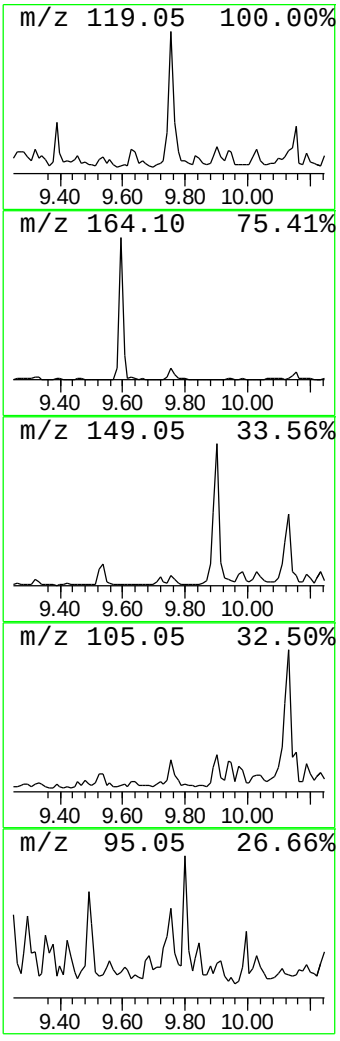
Peak Number 11 1,2-Benzenedimethanethiol, ... Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.75	10.85 ng	1147300	Acenaphthene-d10	9.59

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,2-Benzenedimethanethiol, 4,5-d...	198	C10H14S2	010230-61-2	58
2	Benzoic acid, 2,4,5-trimethyl-	164	C10H12O2	000528-90-5	50
3	Benzene, 4-ethenyl-1,2-dimethoxy-	164	C10H12O2	006380-23-0	50
4	Acetic acid, (2,4-xylyl)-	164	C10H12O2	006331-04-0	35
5	Phenol, 2-methoxy-4-(1-propenyl)...	164	C10H12O2	005932-68-3	35





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ClientSampleId : W-40

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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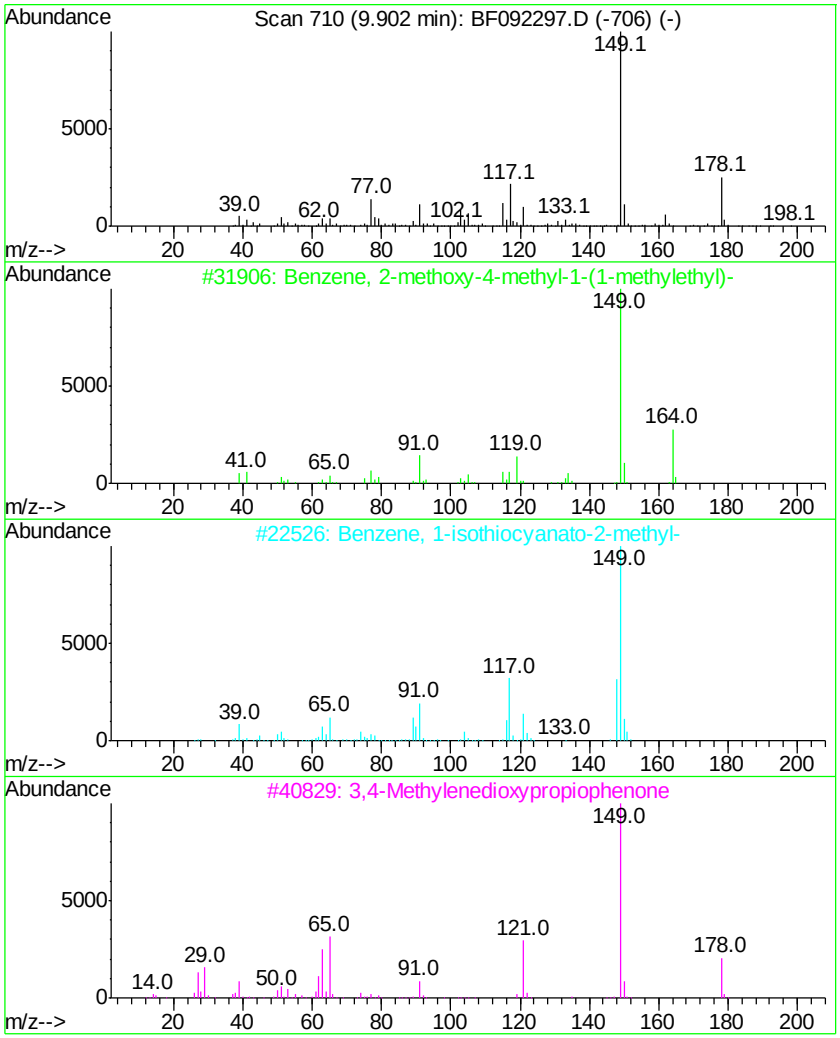
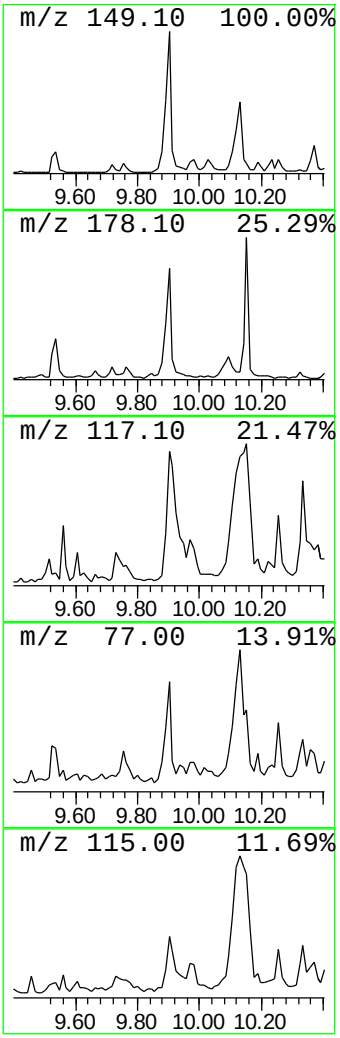
Peak Number 12 Benzene, 2-methoxy-4-methyl... Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.90	17.54 ng	1854710	Acenaphthene-d10	9.59

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 2-methoxy-4-methyl-1-(1...	164	C11H16O	001076-56-8	53
2	Benzene, 1-isothiocyanato-2-methyl-	149	C8H7NS	000614-69-7	53
3	3,4-Methylenedioxypropiophenone	178	C10H10O3	028281-49-4	50
4	m-Tolyl isothiocyanate	149	C8H7NS	000621-30-7	47
5	1,3-Dioxolane, 2-phenyl-2-(pheny...	240	C16H16O2	004362-19-0	43





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ALS Vial : 14 Sample Multiplier: 1

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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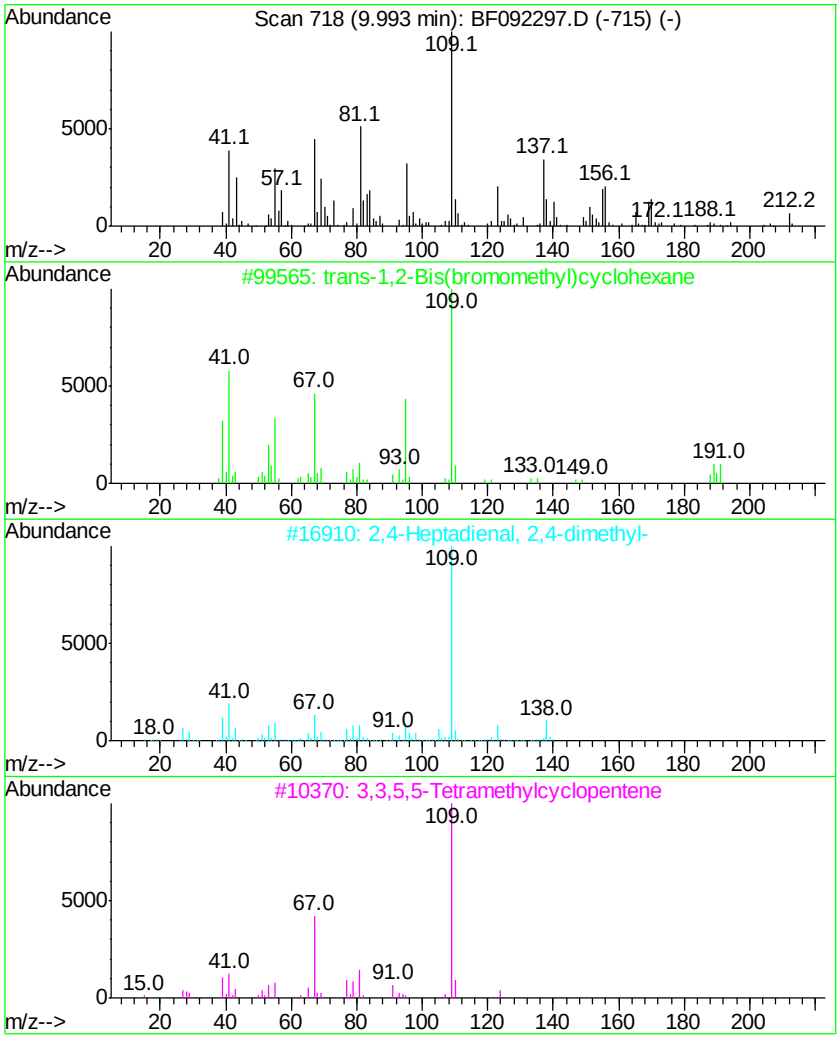
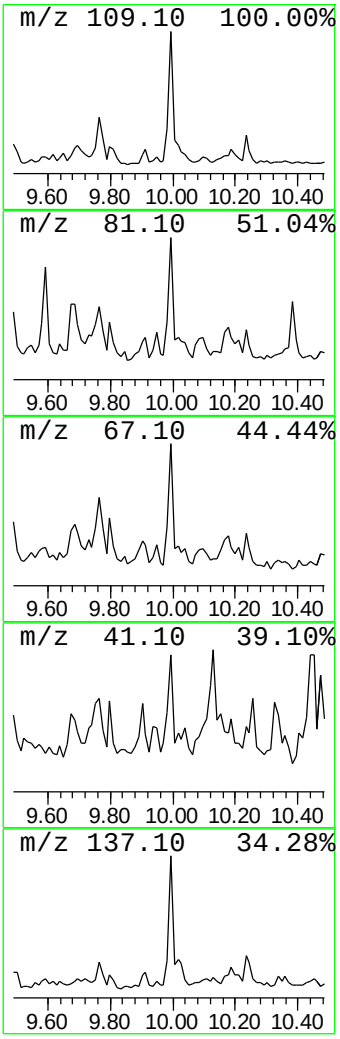
Peak Number 13 unknown9.99 Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.99	10.01 ng	1058300	Acenaphthene-d10	9.59

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	trans-1,2-Bis(bromomethyl)cycloh...	268	C8H14Br2	1000216-87-8	43
2	2,4-Heptadienal, 2,4-dimethyl-	138	C9H14O	042452-48-2	43
3	3,3,5,5-Tetramethylcyclopentene	124	C9H16	038667-10-6	38
4	Cyclopentane, (2-methylbutylidene)-	138	C10H18	053366-54-4	38
5	1-(1,2,3-Trimethyl-cyclopent-2-e...	152	C10H16O	070987-81-4	38





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ClientSampleId : W-40

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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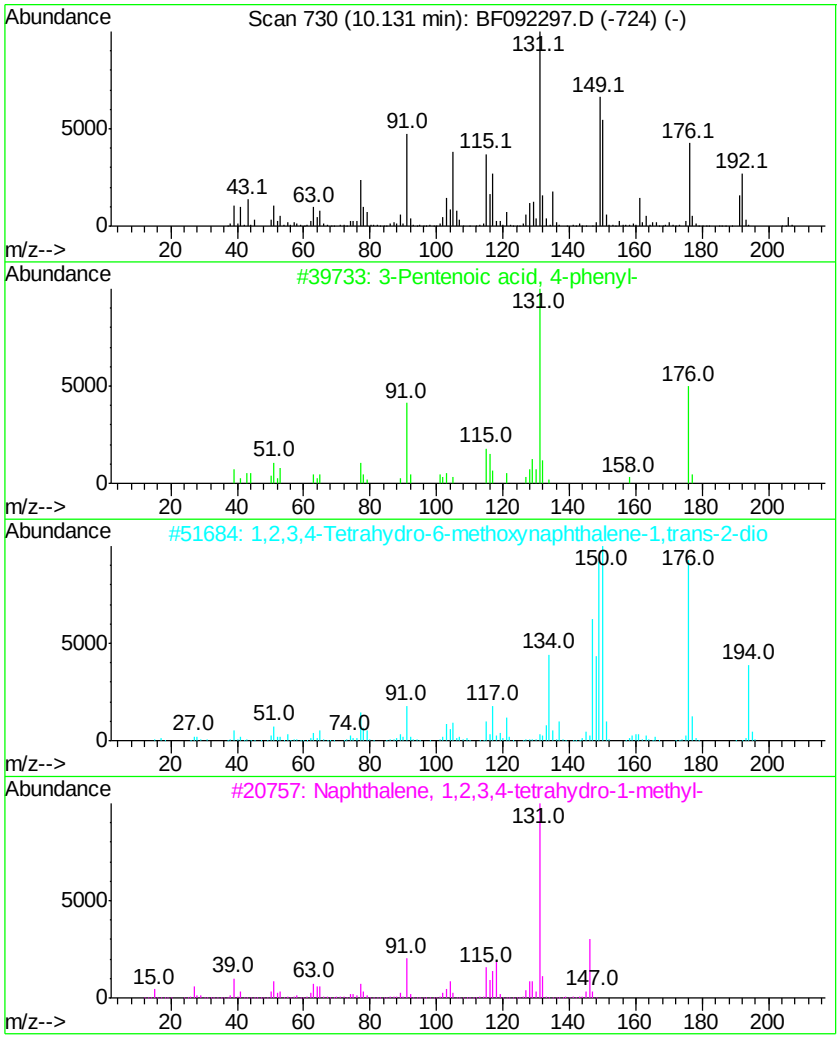
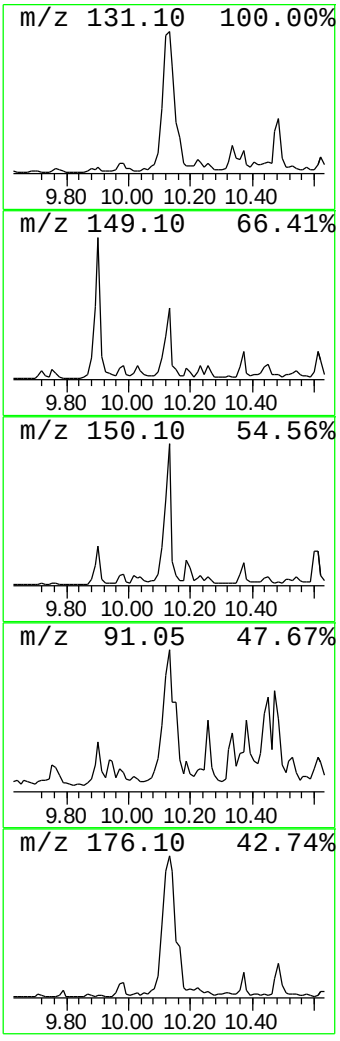
Peak Number 14 unknown10.13 Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.13	59.50 ng	6293040	Acenaphthene-d10	9.59

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Pentenoic acid, 4-phenyl-	176	C11H12O2	053774-19-9	41
2	1,2,3,4-Tetrahydro-6-methoxynaph...	194	C11H14O3	065272-94-8	35
3	Naphthalene, 1,2,3,4-tetrahydro-...	146	C11H14	001559-81-5	22
4	3-Methyl-p-anisaldehyde	150	C9H10O2	032723-67-4	20
5	4-Pyridinamine, N,N,2,6-tetramet...	150	C9H14N2	129384-12-9	18





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ClientSampleId : W-40

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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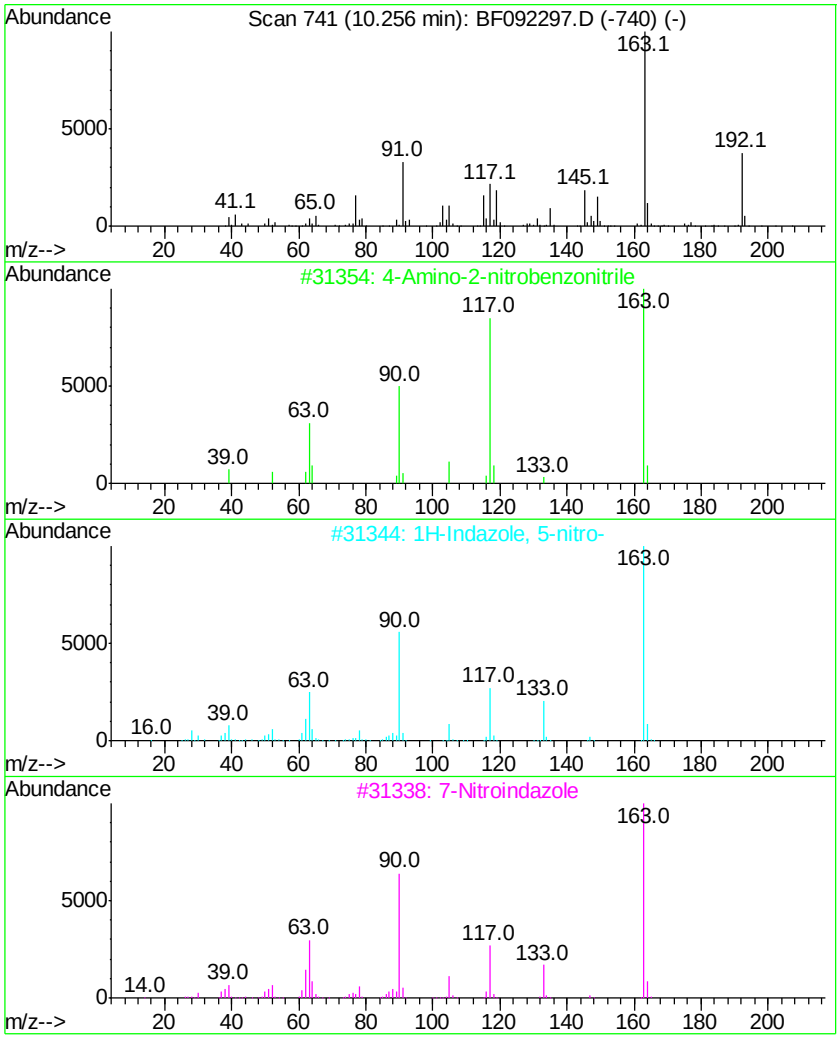
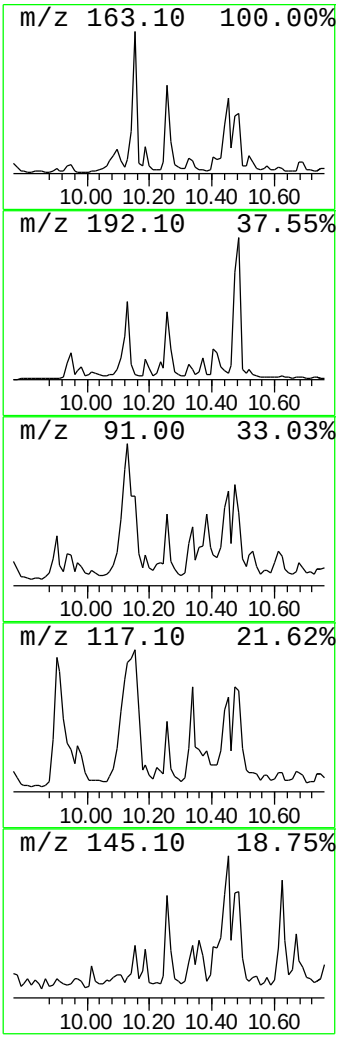
Peak Number 15 unknown10.26 Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.26	8.01 ng	847149	Acenaphthene-d10	9.59

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4-Amino-2-nitrobenzonitrile	163	C7H5N3O2	072115-07-2	47
2	1H-Indazole, 5-nitro-	163	C7H5N3O2	005401-94-5	47
3	7-Nitroindazole	163	C7H5N3O2	002942-42-9	47
4	Pyrido[2,3-d]pyridazine-5(6H)-th...	163	C7H5N3S	015370-85-1	47
5	1,3-Dioxolane, 2-(bromomethyl)-2...	256	C11H13BrO2	024169-43-5	43





Library Search Compound Report

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Sample : I1197-03
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Instrument : BNA_F
ClientSampleId : W-40

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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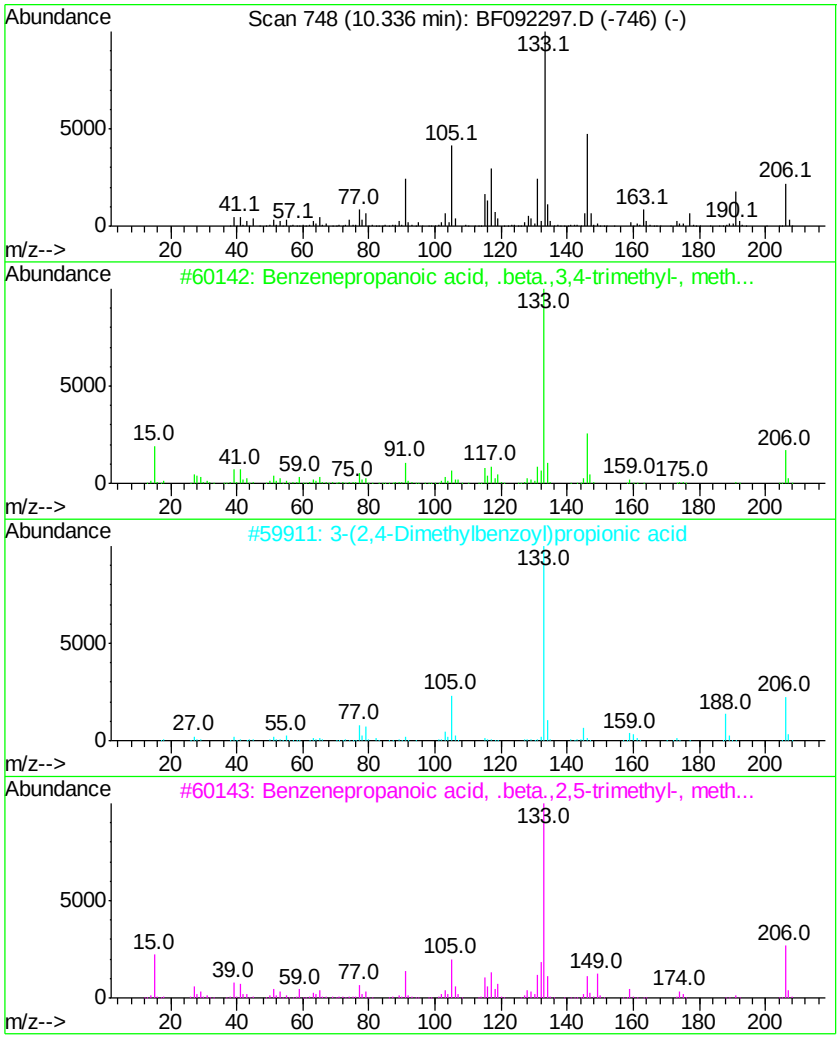
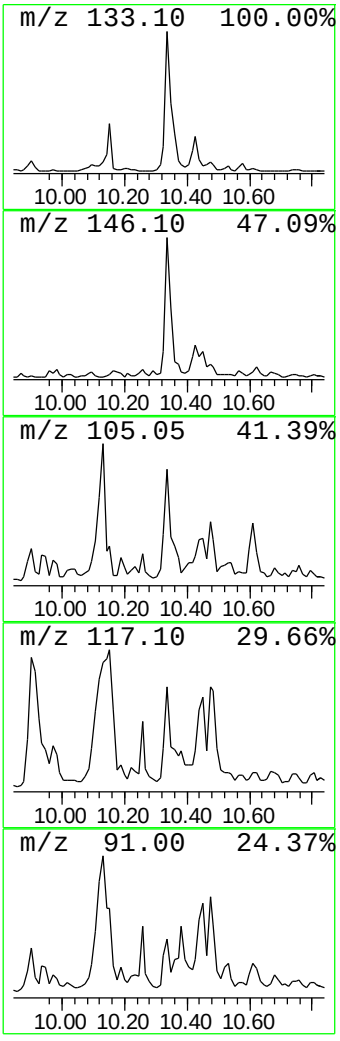
Peak Number 16 Benzenepropanoic acid, .bet... Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.34	16.66 ng	1359680	Phenanthrene-d10	11.07

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzenepropanoic acid, .beta.,3,...	206	C13H18O2	056298-99-8	50
2	3-(2,4-Dimethylbenzoyl)propionic...	206	C12H14O3	015880-03-2	50
3	Benzenepropanoic acid, .beta.,2,...	206	C13H18O2	055683-09-5	50
4	Ethanol, 2-(1H-benzimidazol-2-yl...	177	C9H11N3O	057262-38-1	50
5	Benzenepropanoic acid, .beta.,2,...	206	C13H18O2	056298-76-1	49





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TIC Library : C:\DATABASE\NIST02.L
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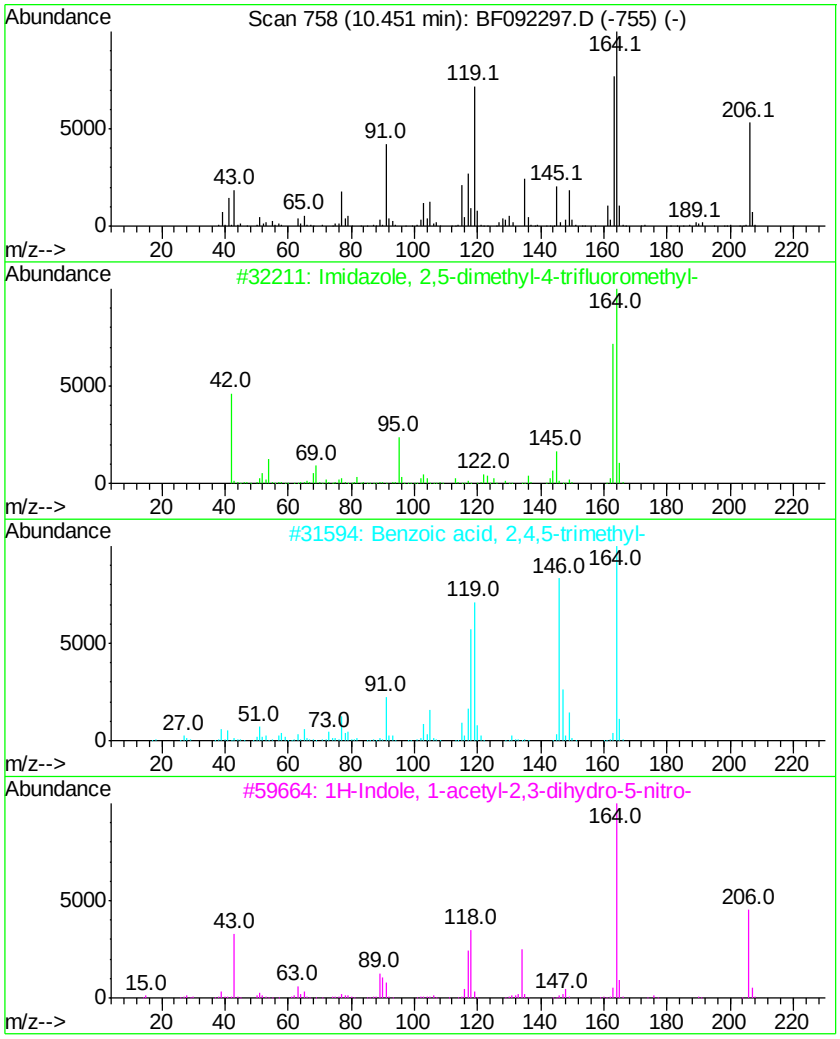
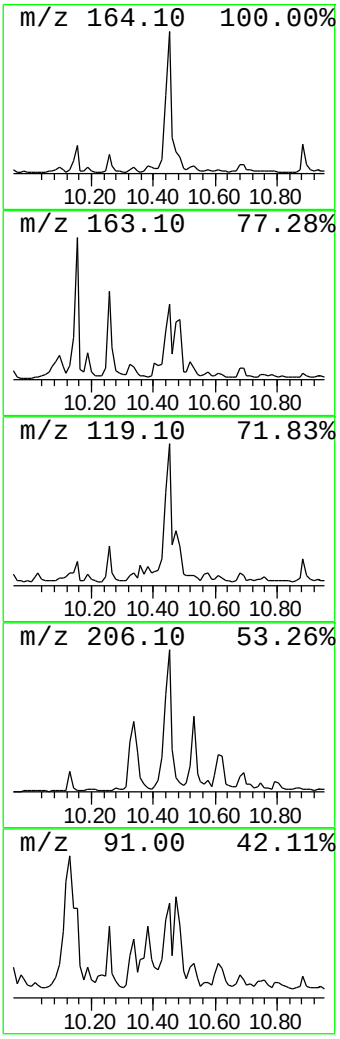
Peak Number 17 unknown10.45 Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.45	26.83 ng	2189780	Phenanthrene-d10	11.07

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Imidazole, 2,5-dimethyl-4-triflu...	164	C6H7F3N2	081769-62-2	46
2	Benzoic acid, 2,4,5-trimethyl-	164	C10H12O2	000528-90-5	41
3	1H-Indole, 1-acetyl-2,3-dihydro-...	206	C10H10N2O3	033632-27-8	38
4	2-Cyclohexen-1-one, 2,4,4-trimet...	206	C13H18O2	027185-77-9	35
5	Thiocoumarin, 4,4,6-trimethyl-	206	C12H14OS	1000132-62-4	35





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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
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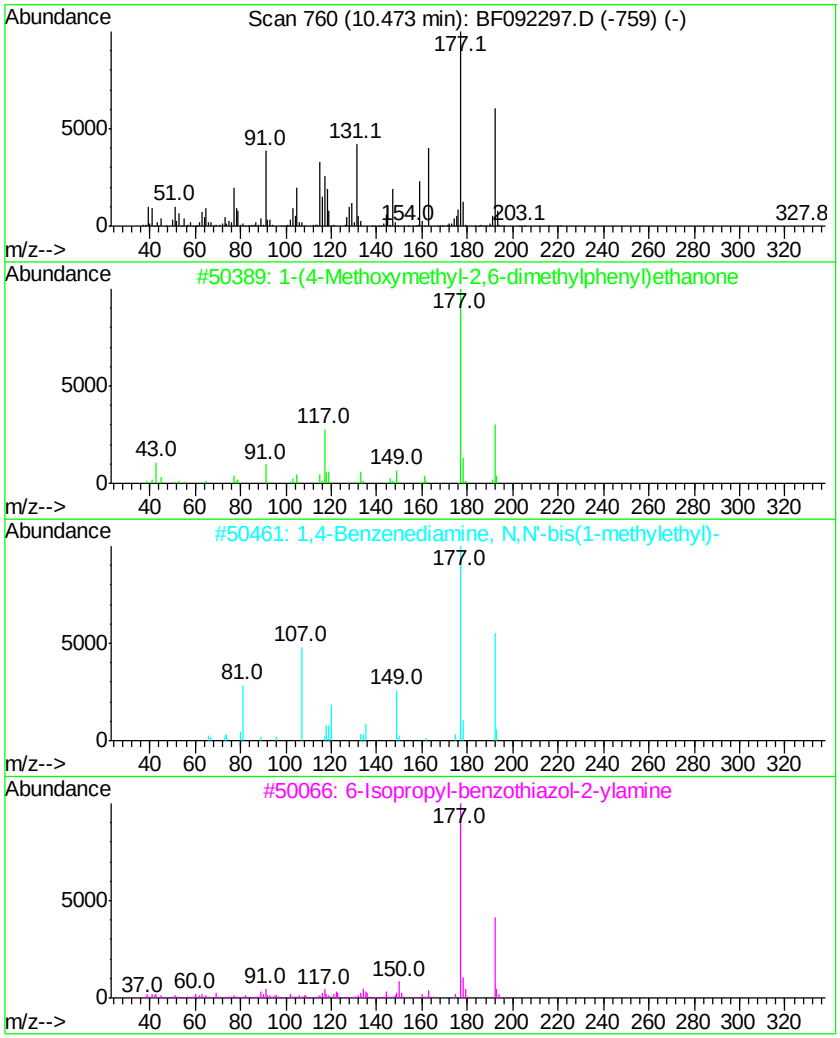
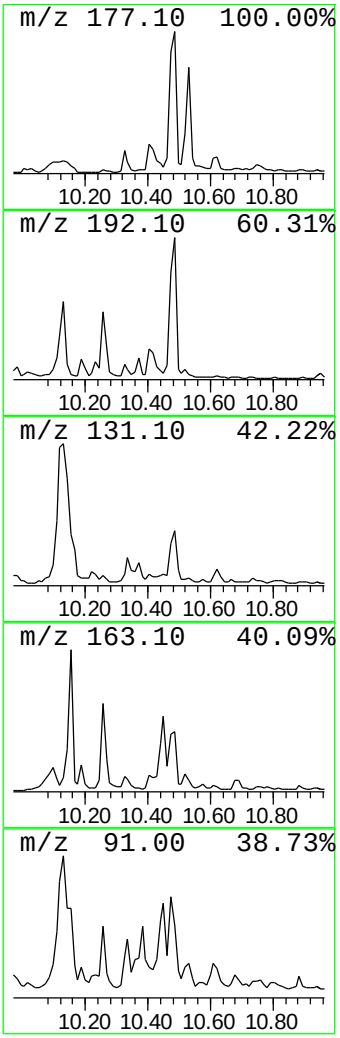
Peak Number 18 unknown10.47 Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.47	28.09 ng	2293010	Phenanthrene-d10	11.07

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-(4-Methoxymethyl-2,6-dimethylp...	192	C12H16O2	1000202-02-2	45
2	1,4-Benzenediamine, N,N'-bis(1-m...	192	C12H20N2	004251-01-8	38
3	6-Isopropyl-benzothiazol-2-ylamine	192	C10H12N2S	032895-14-0	38
4	3-Buten-1-one, 4-[2,6,6-trimethy...	192	C13H20O	085949-43-5	35
5	5-Ethyl-3,4-dimethyl-1H-pyrano[2...	192	C10H12N2O2	1000296-60-7	35





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TIC Library : C:\DATABASE\NIST02.L
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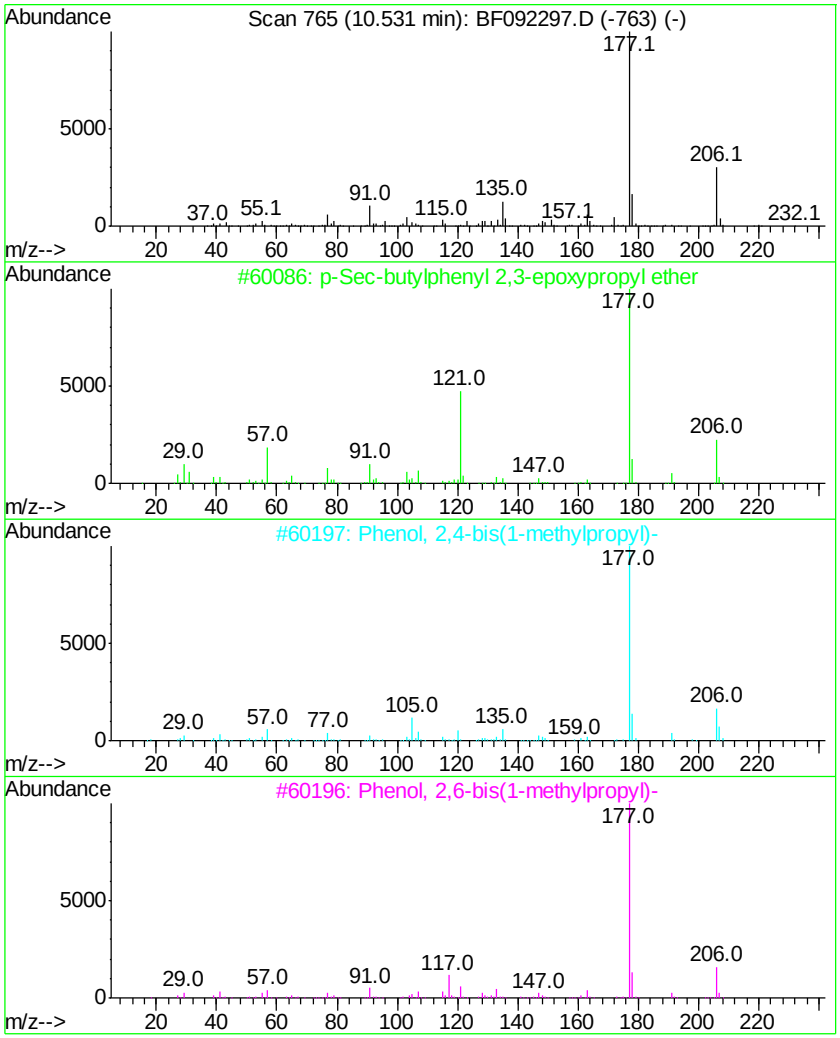
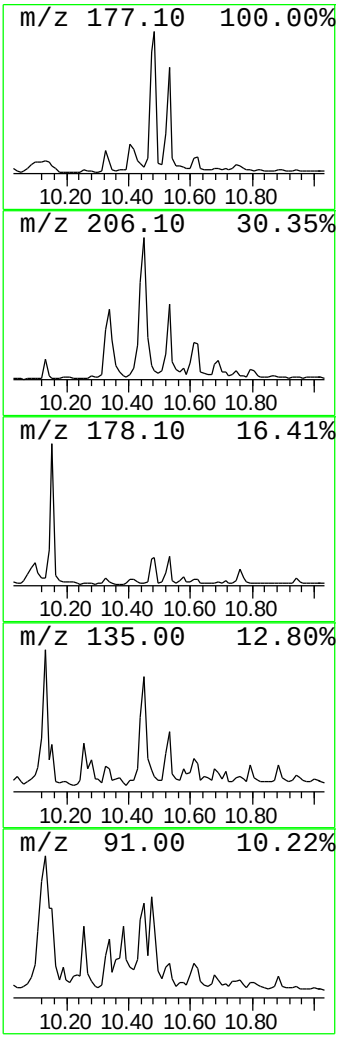
Peak Number 19 p-Sec-butylphenyl 2,3-epoxy... Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.53	10.05 ng	820113	Phenanthrene-d10	11.07

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	p-Sec-butylphenyl 2,3-epoxypropy...	206	C13H18O2	067557-76-0	64
2	Phenol, 2,4-bis(1-methylpropyl)-	206	C14H22O	001849-18-9	59
3	Phenol, 2,6-bis(1-methylpropyl)-	206	C14H22O	005510-99-6	59
4	Phenol, 2-(1,1-dimethylethyl)-4-...	206	C14H22O	052184-13-1	59
5	Octamethyl-1,4-cyclohexadiene	192	C14H24	172684-93-4	45





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Data File : BF092297.D
Acq On : 16 Jan 2017 20:57
Operator : UM/SJ
Sample : I1197-03
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : W-40

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF122116.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

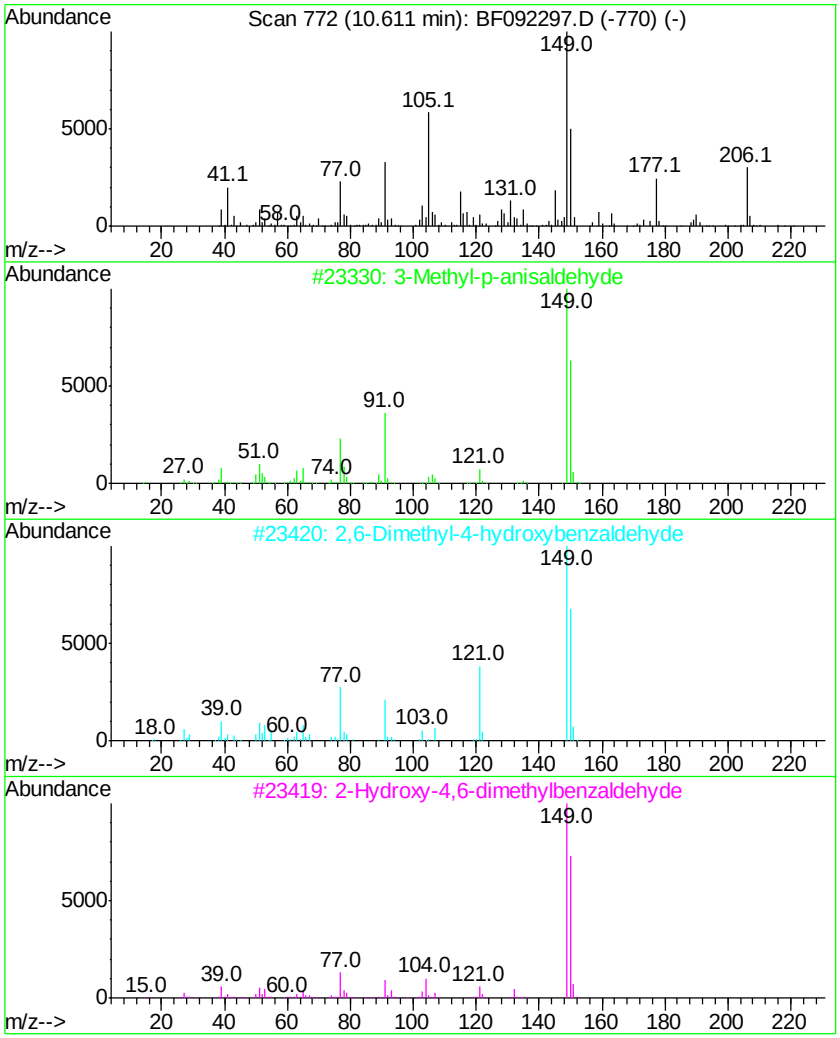
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

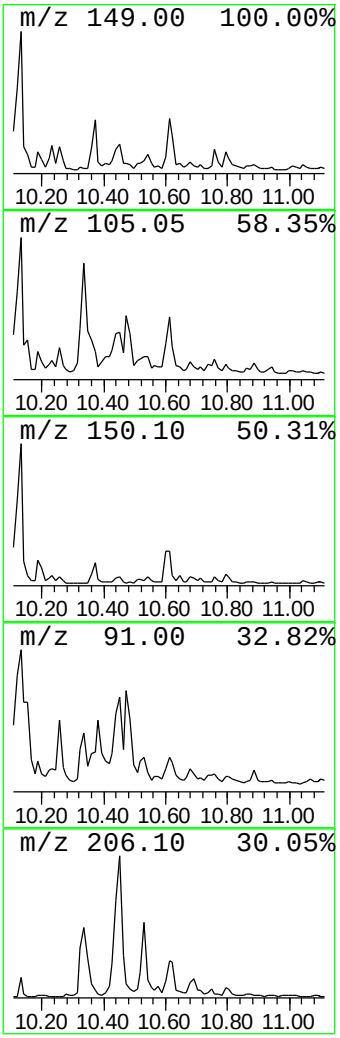
****

Peak Number 20 3-Methyl-p-anisaldehyde Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.61	12.42 ng	1013950	Phenanthrene-d10	11.07

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Methyl-p-anisaldehyde	150	C9H10O2	032723-67-4	90
2	2,6-Dimethyl-4-hydroxybenzaldehyde	150	C9H10O2	070547-87-4	58
3	2-Hydroxy-4,6-dimethylbenzaldehyde	150	C9H10O2	001666-02-0	46
4	4-Formylbenzeneboronic acid	150	C7H7BO3	087199-17-5	43
5	Oxazolidine, 3-phenyl-	149	C9H11NO	020503-92-8	38





Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF011617\
Data File : BF092297.D
Acq On : 16 Jan 2017 20:57
Operator : UM/SJ
Sample : I1197-03
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : W-40

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF122116.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
2-Pentanone, 4-hy...	4.67	14.8	ng	822833	1	6.56	1111110	20.0
unknown6.34	6.34	88.2	ng	4898930	1	6.56	1111110	20.0
Benzene, 1,2-diet...	6.91	8.3	ng	462944	1	6.56	1111110	20.0
Benzene, 1,2,4,5-...	7.59	12.0	ng	1874910	2	7.84	3128360	20.0
Naphthalene, 1-me...	8.66	11.3	ng	1772230	2	7.84	3128360	20.0
Naphthalene, 1,2,...	8.87	8.2	ng	864067	3	9.59	2115350	20.0
Naphthalene, 2,6-...	9.18	16.2	ng	1715190	3	9.59	2115350	20.0
Naphthalene, 2,7-...	9.28	16.9	ng	1791240	3	9.59	2115350	20.0
1,2-Benzenedimeth...	9.75	10.9	ng	1147300	3	9.59	2115350	20.0
Benzene, 2-methox...	9.90	17.5	ng	1854710	3	9.59	2115350	20.0
unknown9.99	9.99	10.0	ng	1058300	3	9.59	2115350	20.0
unknown10.13	10.13	59.5	ng	6293040	3	9.59	2115350	20.0
unknown10.26	10.26	8.0	ng	847149	3	9.59	2115350	20.0
Benzenepropanoic ...	10.34	16.7	ng	1359680	4	11.07	1632380	20.0
unknown10.45	10.45	26.8	ng	2189780	4	11.07	1632380	20.0
unknown10.47	10.47	28.1	ng	2293010	4	11.07	1632380	20.0
p-Sec-butylphenyl...	10.53	10.1	ng	820113	4	11.07	1632380	20.0
3-Methyl-p-anisal...	10.61	12.4	ng	1013950	4	11.07	1632380	20.0