LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF052219\
Data File : BF114505.D
Acq On : 23 May 2019 1:13
Operator : JU/SJ
Sample : K2951-13
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TP-15-S

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF051019.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	5.457	570	573	596	rVB	2971448	3233901	93.41%	6.737%
2	5.663	605	608	619	rBV	318595	508314	14.68%	1.059%
3	6.475	742	746	755	rBV	3322263	3462224	100.00%	7.213%
4	6.539	755	757	764	rVV	95670	131015	3.78%	0.273%
5	6.604	764	768	774	rVV	3738637	3340906	96.50%	6.960%
6	6.663	774	778	783	rVV	368527	444415	12.84%	0.926%
7	6.704	783	785	792	rVB	170724	189305	5.47%	0.394%
8	6.828	803	806	814	rVB	1353115	1125841	32.52%	2.345%
9	6.986	829	833	836	rBV	2669527	2481178	71.66%	5.169%
10	7.092	847	851	865	rBV	527334	764959	22.09%	1.594%
11	7.245	874	877	882	rVB	34928	37392	1.08%	0.078%
12	7.333	888	892	895	rBV	55118	54434	1.57%	0.113%
13	7.392	898	902	909	rVV	2243971	2156038	62.27%	4.492%
14	7.445	909	911	914	rVB	68552	77201	2.23%	0.161%
15	7.680	945	951	962	rBV	930325	1121855	32.40%	2.337%
16	7.863	977	982	985	rBV2	153454	185389	5.35%	0.386%
17	7.910	985	990	1000	rVB	288188	374870	10.83%	0.781%
18	7.992	1000	1004	1007	rBV3	42986	62979	1.82%	0.131%
19	8.110	1018	1024	1027	rBV	1700130	1559324	45.04%	3.248%
20	8.133	1027	1028	1033	rVV	254658	185628	5.36%	0.387%
21	8.186	1033	1037	1042	rVB2	67731	98903	2.86%	0.206%
22	8.328	1057	1061	1068	rBV	614455	626901	18.11%	1.306%
23	8.386	1068	1071	1085	rVV	528199	665165	19.21%	1.386%
24	8.492	1086	1089	1093	rVB4	32569	47173	1.36%	0.098%
25	8.586	1100	1105	1108	rBV2	107267	120081	3.47%	0.250%
26	8.616	1108	1110	1116	rVB2	35644	49148	1.42%	0.102%
27	8.698	1122	1124	1129	rBV2	40124	57786	1.67%	0.120%
28	8.816	1141	1144	1152	rVB	464931	505064	14.59%	1.052%
29	8.880	1152	1155	1159	rBV	204742	178083	5.14%	0.371%
30	8.922	1159	1162	1166	rVV2	105551	100177	2.89%	0.209%
31	8.992	1170	1174	1177	rBV	62608	69080	2.00%	0.144%
32	9.022	1177	1179	1184	rBV	34233	45379	1.31%	0.095%
33	9.104	1190	1193	1196	rBV	151099	131447	3.80%	0.274%
34	9.180	1201	1206	1213	rBV	3283067	3178244	91.80%	6.621%

LSC Area Percent Report

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Sample : K2951-13
Misc :
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Instrument : BNA_F
ClientSampleId : TP-15-S

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF051019.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	9.263	1215	1220	1222	rVV3	53704	71557	2.07%	0.149%
36	9.316	1226	1229	1231	rBV	135697	145848	4.21%	0.304%
37	9.339	1231	1233	1238	rVB	103784	114913	3.32%	0.239%
38	9.427	1245	1248	1250	rBV	40403	37329	1.08%	0.078%
39	9.463	1250	1254	1256	rBV3	62571	67500	1.95%	0.141%
40	9.533	1261	1266	1270	rBV2	189520	237080	6.85%	0.494%
41	9.580	1270	1274	1280	rVB	540757	581121	16.78%	1.211%
42	9.727	1296	1299	1303	rBV	160635	191071	5.52%	0.398%
43	9.863	1319	1322	1327	rBV	1781891	1632753	47.16%	3.401%
44	10.069	1355	1357	1362	rBV2	33649	37528	1.08%	0.078%
45	10.286	1388	1394	1397	rBV3	80362	116314	3.36%	0.242%
46	10.321	1397	1400	1404	rBV4	24127	37326	1.08%	0.078%
47	10.416	1413	1416	1421	rVB3	43175	54209	1.57%	0.113%
48	10.510	1428	1432	1438	rBV3	34195	67826	1.96%	0.141%
49	10.657	1453	1457	1464	rBV	2420183	2338790	67.55%	4.872%
50	10.763	1472	1475	1476	rBV	76496	66825	1.93%	0.139%
51	10.880	1493	1495	1500	rBV	41329	43645	1.26%	0.091%
52	11.210	1548	1551	1553	rBV2	68830	66159	1.91%	0.138%
53	11.274	1559	1562	1566	rBV	479587	393196	11.36%	0.819%
54	11.351	1572	1575	1578	rBV	1901176	1774647	51.26%	3.697%
55	11.463	1591	1594	1598	rBV	360067	374472	10.82%	0.780%
56	11.580	1611	1614	1618	rBV	763691	723245	20.89%	1.507%
57	11.639	1621	1624	1627	rVV3	199326	229204	6.62%	0.477%
58	11.698	1632	1634	1637	rBV	257589	213390	6.16%	0.445%
59	11.751	1640	1643	1646	rBV	684523	591511	17.08%	1.232%
60	11.857	1657	1661	1663	rBV2	442096	607512	17.55%	1.266%
61	11.880	1663	1665	1667	rVV	450204	379361	10.96%	0.790%
62	12.021	1686	1689	1691	rBV	260416	193446	5.59%	0.403%
63	12.574	1780	1783	1787	rVB	384417	366201	10.58%	0.763%
64	12.651	1792	1796	1799	rVB	639228	626659	18.10%	1.305%
65	12.798	1819	1821	1828	rVB	457129	405323	11.71%	0.844%
66	12.910	1837	1840	1841	rBV	460440	380401	10.99%	0.792%
67	12.933	1841	1844	1847	rVB	2990024	2499809	72.20%	5.208%
68	13.998	2020	2025	2028	rBV2	1581685	1740877	50.28%	3.627%
69	14.021	2028	2029	2036	rVB2	340605	317490	9.17%	0.661%
70	15.039	2198	2202	2205	rBV	420647	591373	17.08%	1.232%
71	15.339	2250	2253	2259	rVB	276189	345194	9.97%	0.719%

LSC Area Percent Report

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Operator : JU/SJ
Sample : K2951-13
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TP-15-S

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF051019.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

72	15.404	2261	2264	2268	rBV	156101	179382	5.18%	0.374%
73	15.462	2269	2274	2279	rBV	957073	1253399	36.20%	2.611%
74	16.945	2521	2526	2534	rVB	172913	318817	9.21%	0.664%
75	17.392	2598	2602	2612	rVB	97509	219488	6.34%	0.457%

Sum of corrected areas: 48001990

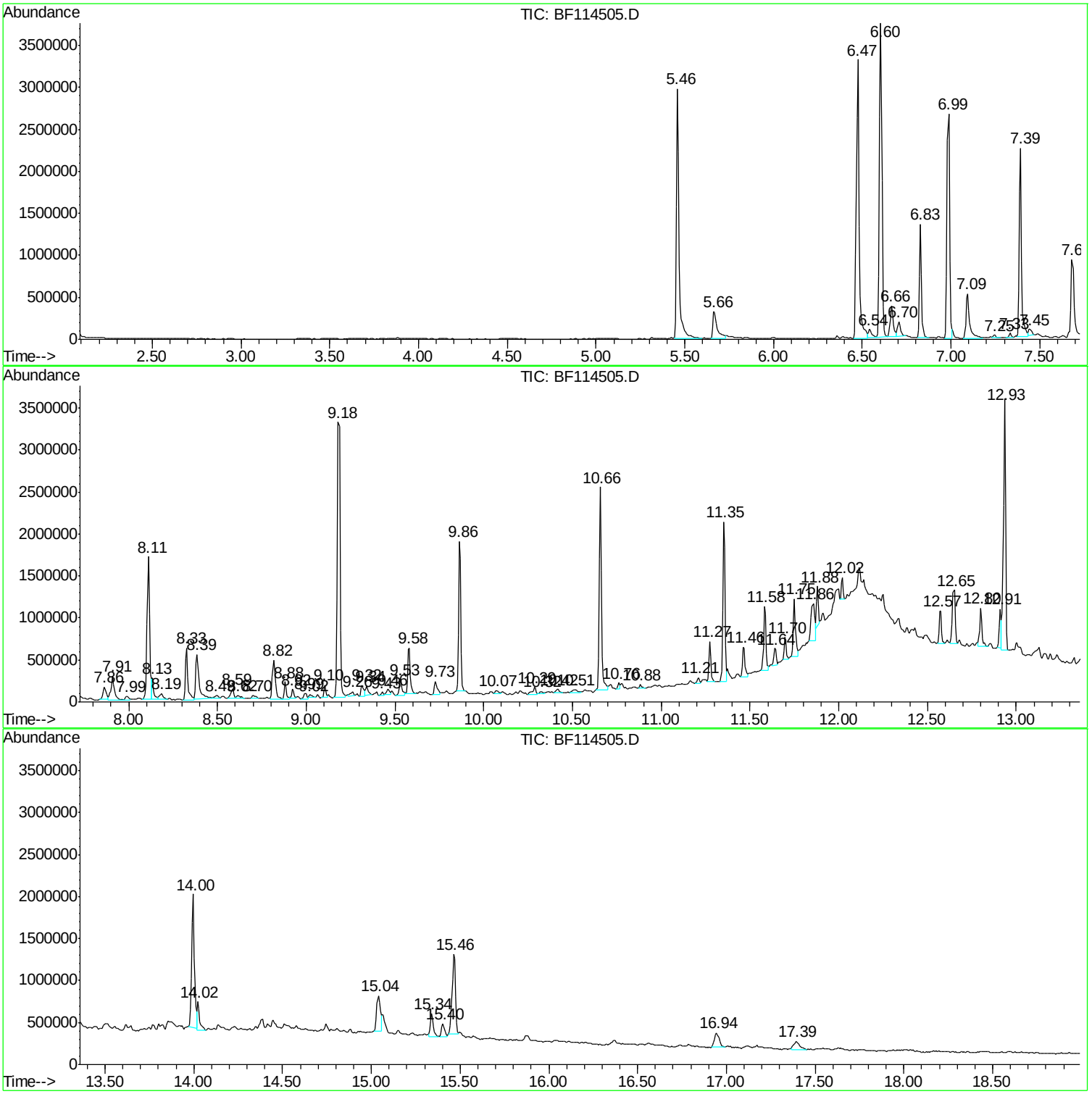
LSC Report - Integrated Chromatogram

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF052219\
Data File : BF114505.D
Acq On : 23 May 2019 1:13
Operator : JU/SJ
Sample : K2951-13
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TP-15-S

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF051019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF052219\
Data File : BF114505.D
Acq On : 23 May 2019 1:13
Operator : JU/SJ
Sample : K2951-13
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TP-15-S

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF051019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

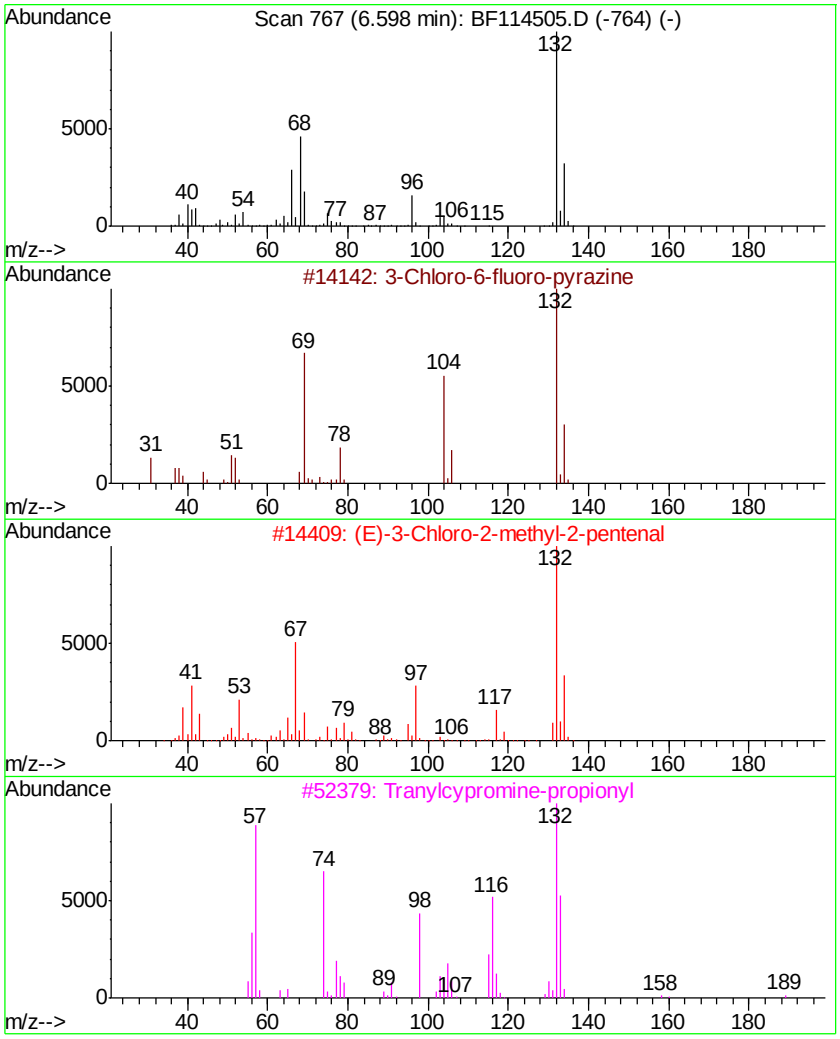
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

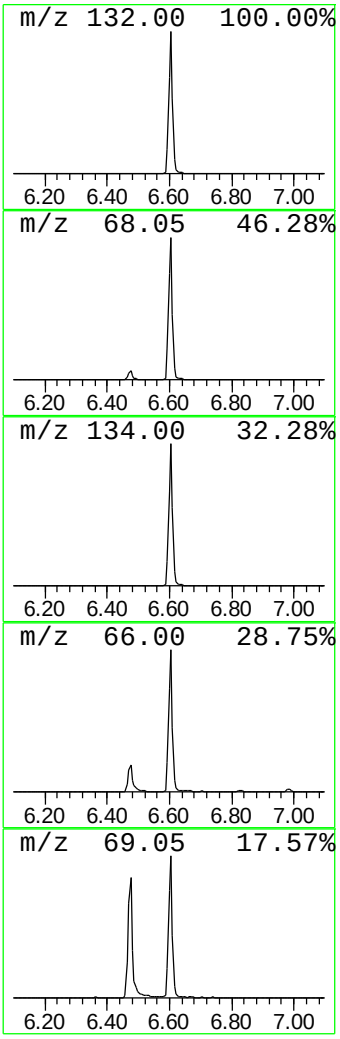
****

Peak Number 2 unknown6.60 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.60	59.35 ng	3340910	1,4-Dichlorobenzene-d4	6.83

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	12
3	Tranylcypromine-propionyl	189	C12H15NO	1000123-86-3	12
4	5-Aminoindole	132	C8H8N2	005192-03-0	12
5	Bicyclo[4.2.0]octa-1,3,5-triene,...	132	C10H12	028749-81-7	9





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF052219\
Data File : BF114505.D
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Operator : JU/SJ
Sample : K2951-13
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TP-15-S

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF051019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

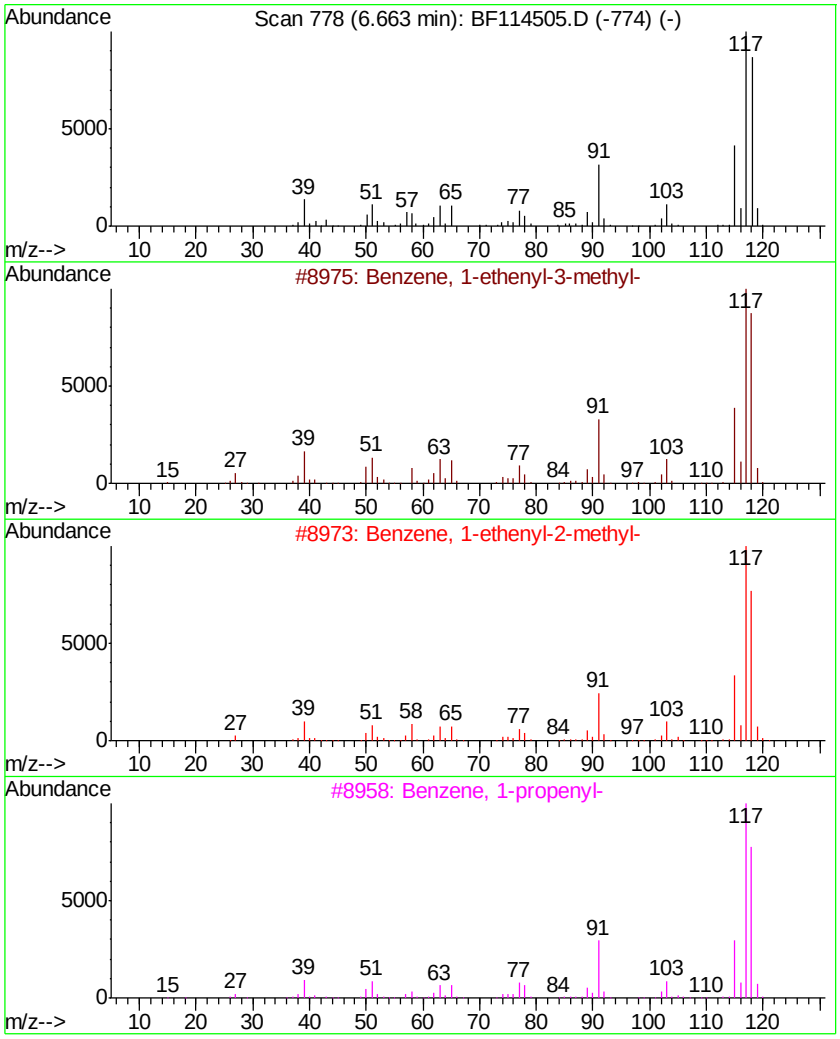
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

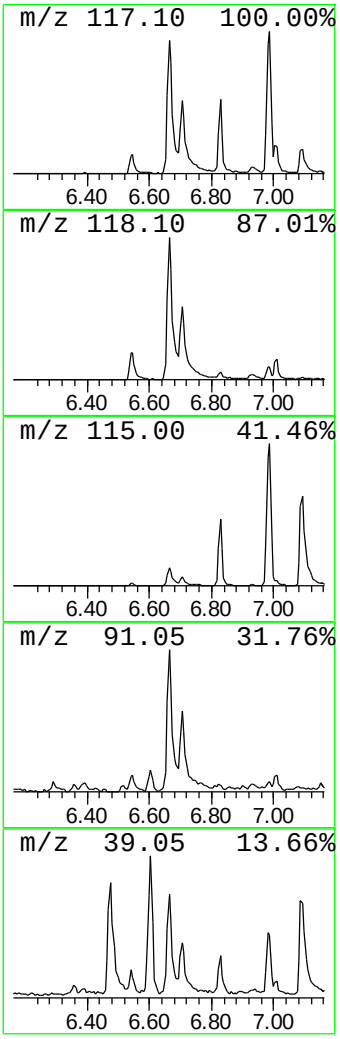
****

Peak Number 3 Benzene, 1-ethenyl-3-methyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.66	7.89 ng	444415	1,4-Dichlorobenzene-d4	6.83

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethenyl-3-methyl-	118	C9H10	000100-80-1	97
2	Benzene, 1-ethenyl-2-methyl-	118	C9H10	000611-15-4	95
3	Benzene, 1-propenyl-	118	C9H10	000637-50-3	95
4	Benzene, 1-ethenyl-4-methyl-	118	C9H10	000622-97-9	95
5	Benzene, 1,1'-(1-ethenyl-1,3-pro...	222	C17H18	061141-97-7	91





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF052219\
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Acq On : 23 May 2019 1:13
Operator : JU/SJ
Sample : K2951-13
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TP-15-S

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF051019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
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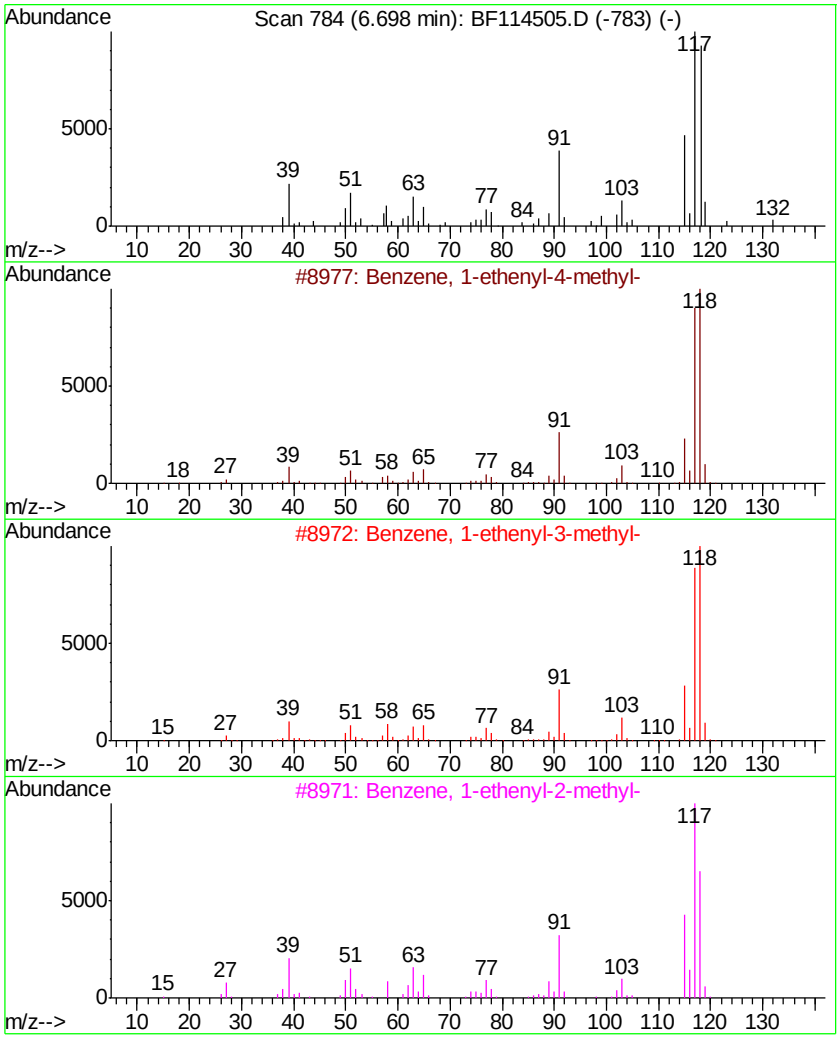
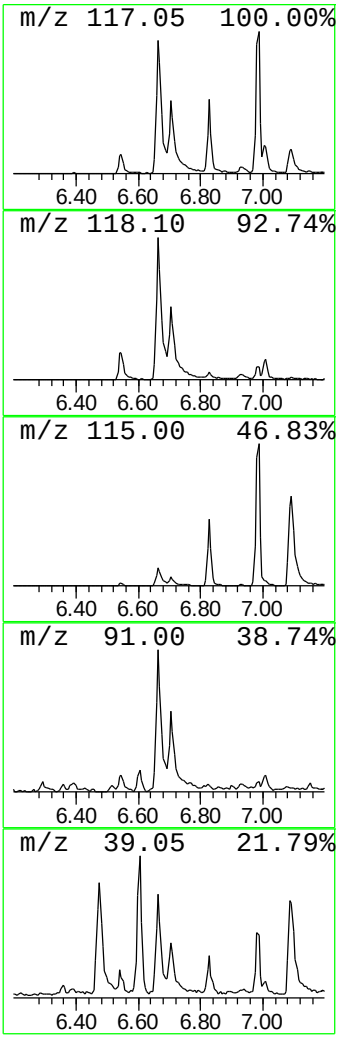
****

Peak Number 4 Benzene, 1-ethenyl-4-methyl- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.70	3.36 ng	189305	1,4-Dichlorobenzene-d4	6.83

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethenyl-4-methyl-	118	C9H10	000622-97-9	94
2	Benzene, 1-ethenyl-3-methyl-	118	C9H10	000100-80-1	93
3	Benzene, 1-ethenyl-2-methyl-	118	C9H10	000611-15-4	91
4	Benzene, 1-propenyl-	118	C9H10	000637-50-3	87
5	Bicyclo[4.2.0]octa-1,3,5-triene,...	118	C9H10	055337-80-9	87





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Instrument : BNA_F
ClientSampleId : TP-15-S

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF051019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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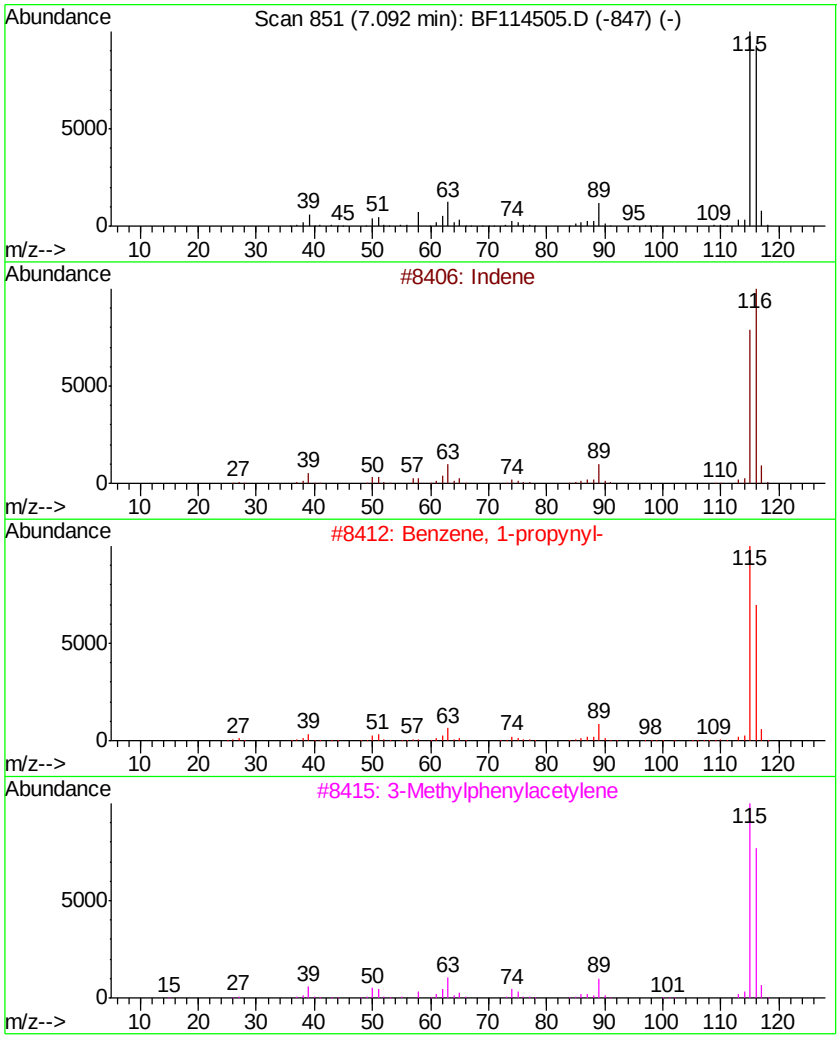
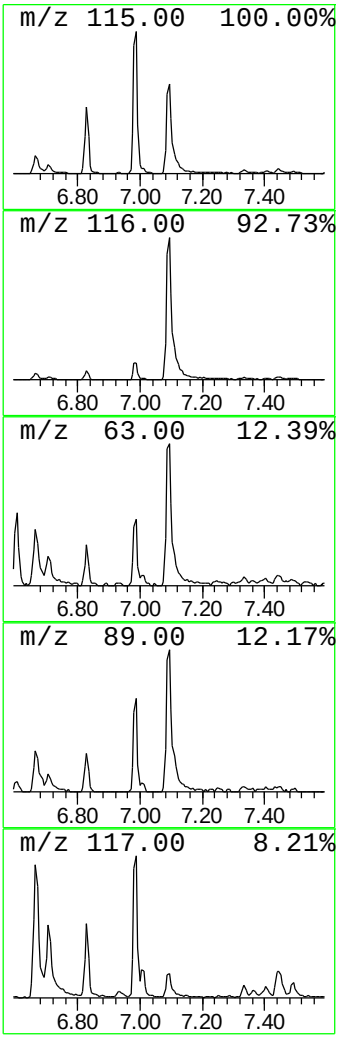
Peak Number 6 Indene Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.09	13.59 ng	764959	1,4-Dichlorobenzene-d4	6.83

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Indene	116	C9H8	000095-13-6	97
2	Benzene, 1-propynyl-	116	C9H8	000673-32-5	94
3	3-Methylphenylacetylene	116	C9H8	000766-82-5	91
4	2-Methylphenylacetylene	116	C9H8	000766-47-2	91
5	Benzene, 1,2-propadienyl-	116	C9H8	002327-99-3	90





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF052219\
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Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TP-15-S

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF051019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

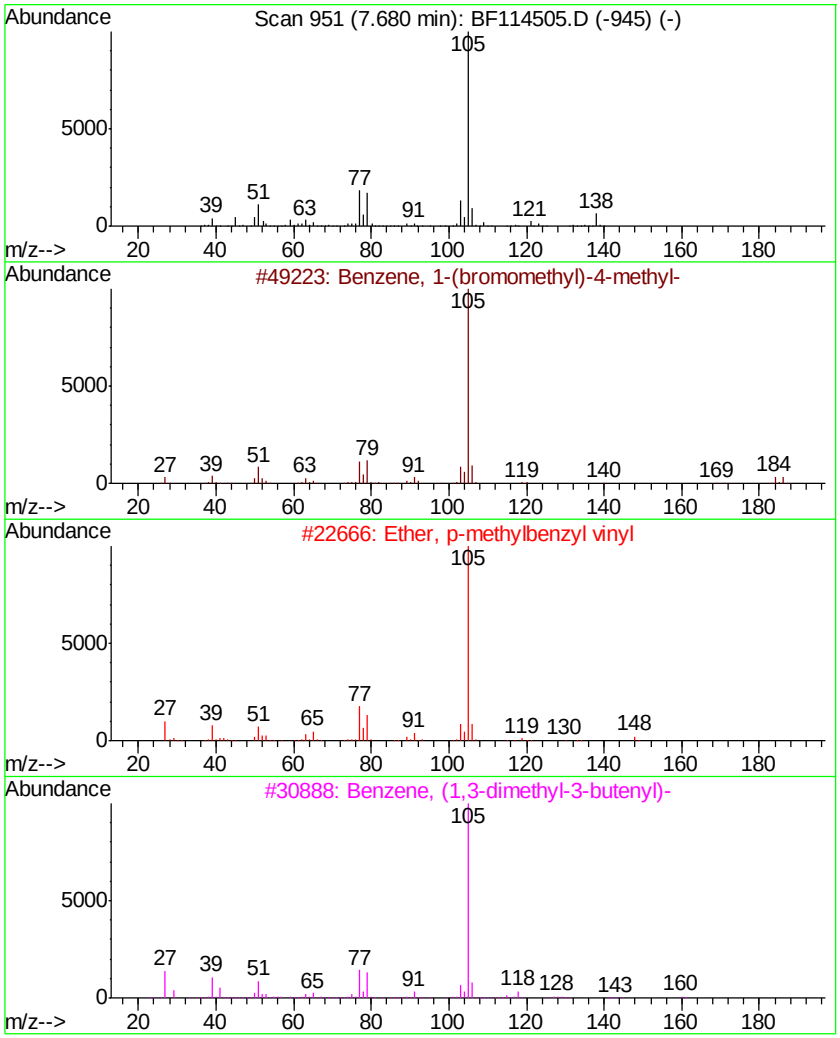
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

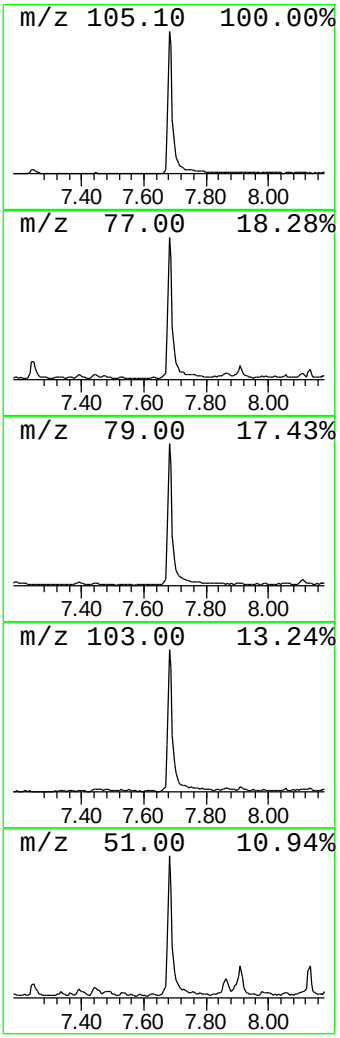
****

Peak Number 7 Benzene, 1-(bromomethyl)-4-... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.68	14.39 ng	1121860	Naphthalene-d8	8.11

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-(bromomethyl)-4-methyl-	184	C8H9Br	000104-81-4	72
2	Ether, p-methylbenzyl vinyl	148	C10H12O	026437-10-5	72
3	Benzene, (1,3-dimethyl-3-butenyl)-	160	C12H16	056851-51-5	72
4	Benzenemethanethiol, 4-methyl-	138	C8H10S	004498-99-1	64
5	Benzenemethanethiol, .alpha.-met...	138	C8H10S	006263-65-6	64





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Data File : BF114505.D
Acq On : 23 May 2019 1:13
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Sample : K2951-13
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TP-15-S

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF051019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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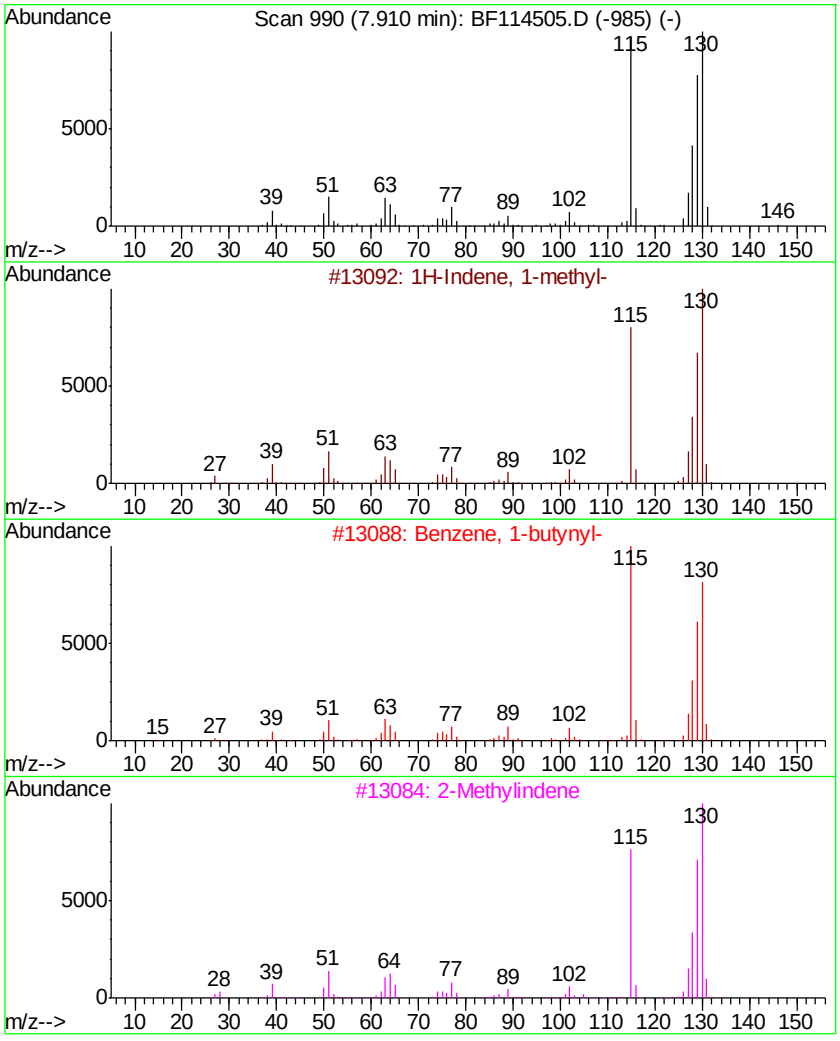
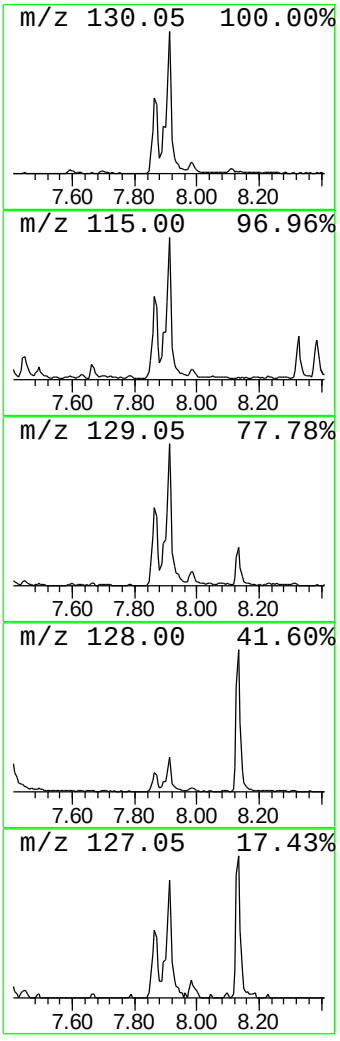
Peak Number 8 1H-Indene, 1-methyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.91	4.81 ng	374870	Naphthalene-d8	8.11

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Indene, 1-methyl-	130	C10H10	000767-59-9	96
2	Benzene, 1-butynyl-	130	C10H10	000622-76-4	96
3	2-Methylindene	130	C10H10	002177-47-1	96
4	Cyclopropa[a]indene, 1,1a,6,6a-te...	130	C10H10	015677-15-3	92
5	Benzene,1-methyl-1,2-propadienyl-	130	C10H10	022433-39-2	91





Library Search Compound Report

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Data File : BF114505.D
Acq On : 23 May 2019 1:13
Operator : JU/SJ
Sample : K2951-13
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TP-15-S

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF051019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

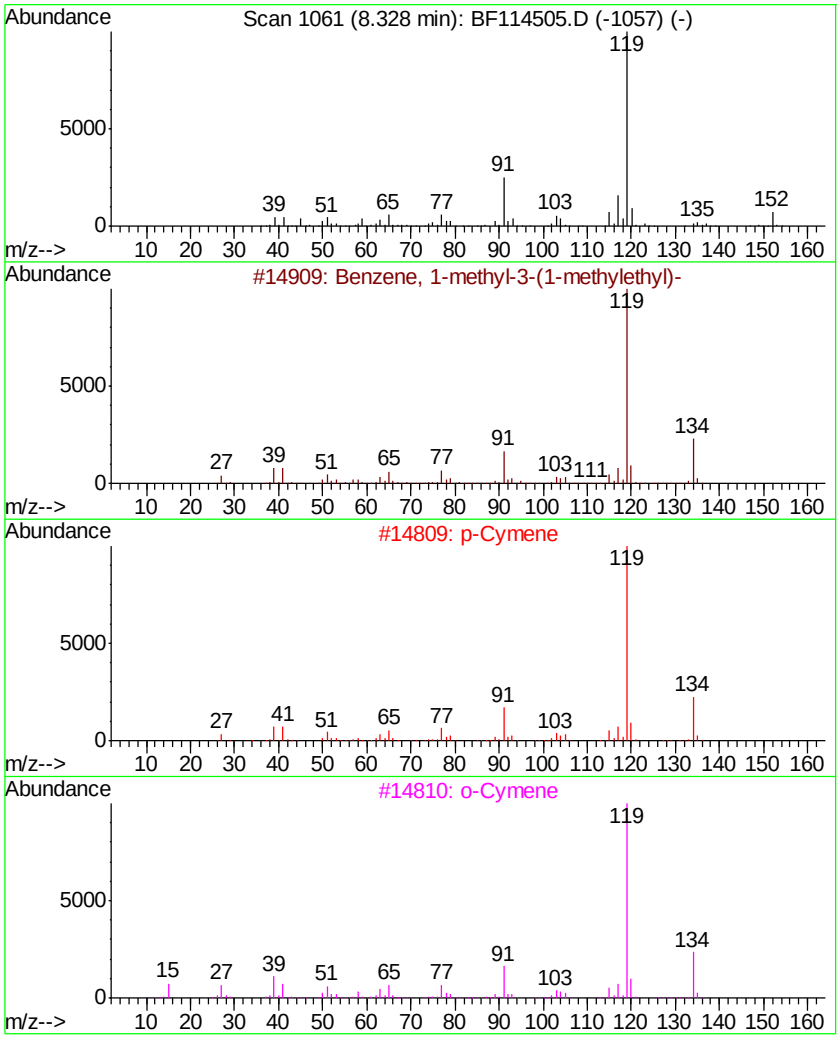
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

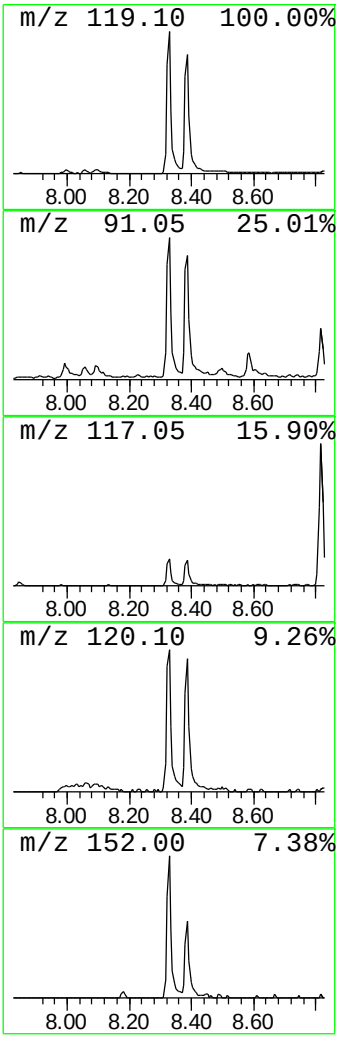
****

Peak Number 9 Benzene, 1-methyl-3-(1-meth... Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.33	8.04 ng	626901	Naphthalene-d8	8.11

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	87
2	p-Cymene	134	C10H14	000099-87-6	87
3	o-Cymene	134	C10H14	000527-84-4	81
4	Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	80
5	Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	80





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Sample : K2951-13
Misc :
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Instrument : BNA_F
ClientSampleId : TP-15-S

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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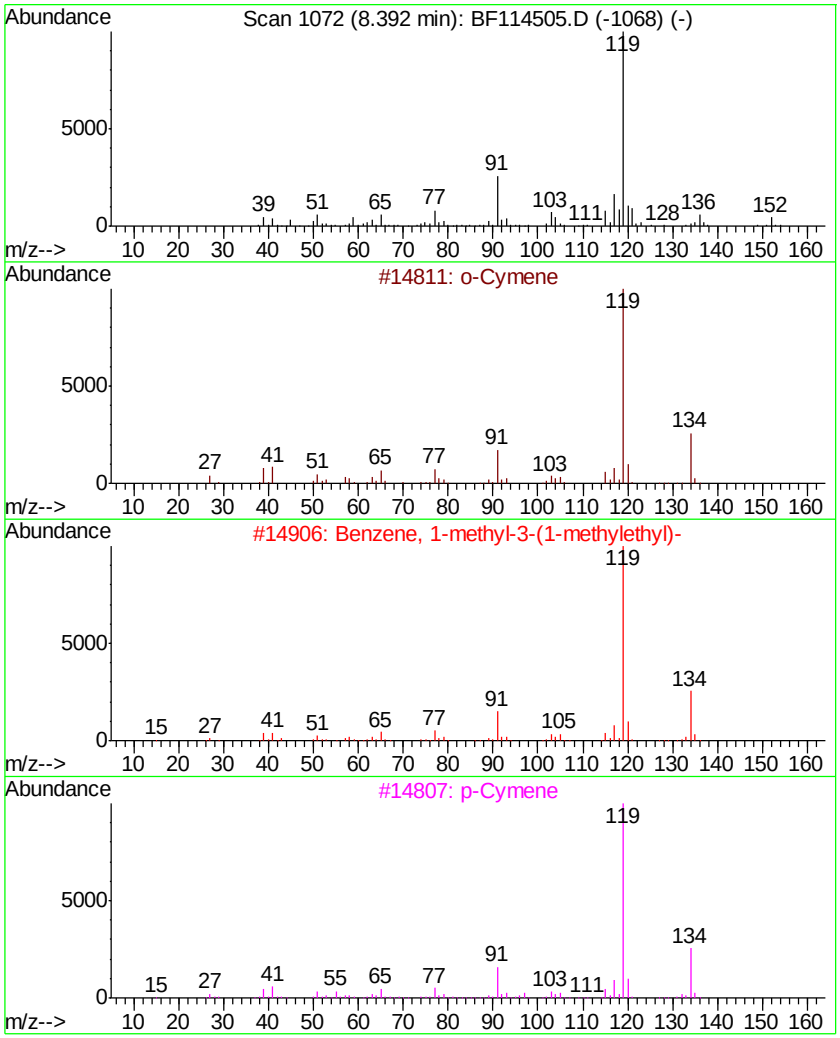
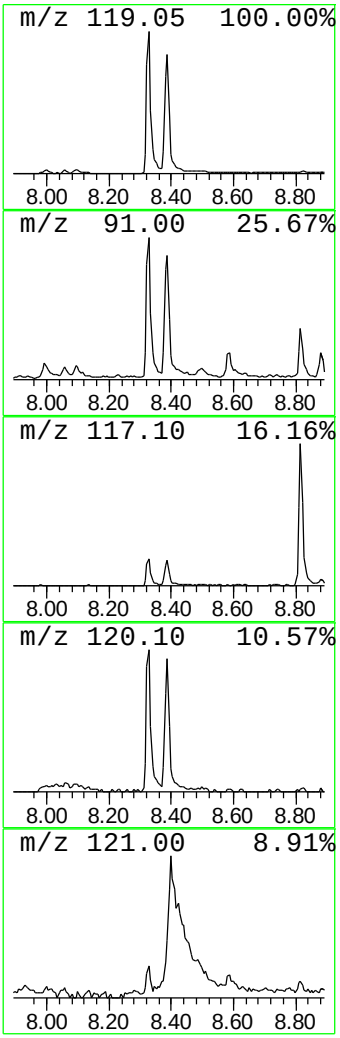
Peak Number 10 o-Cymene Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.39	8.53 ng	665165	Naphthalene-d8	8.11

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	o-Cymene	134	C10H14	000527-84-4	87
2	Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	83
3	p-Cymene	134	C10H14	000099-87-6	80
4	Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	72
5	Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	72





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ClientSampleId : TP-15-S

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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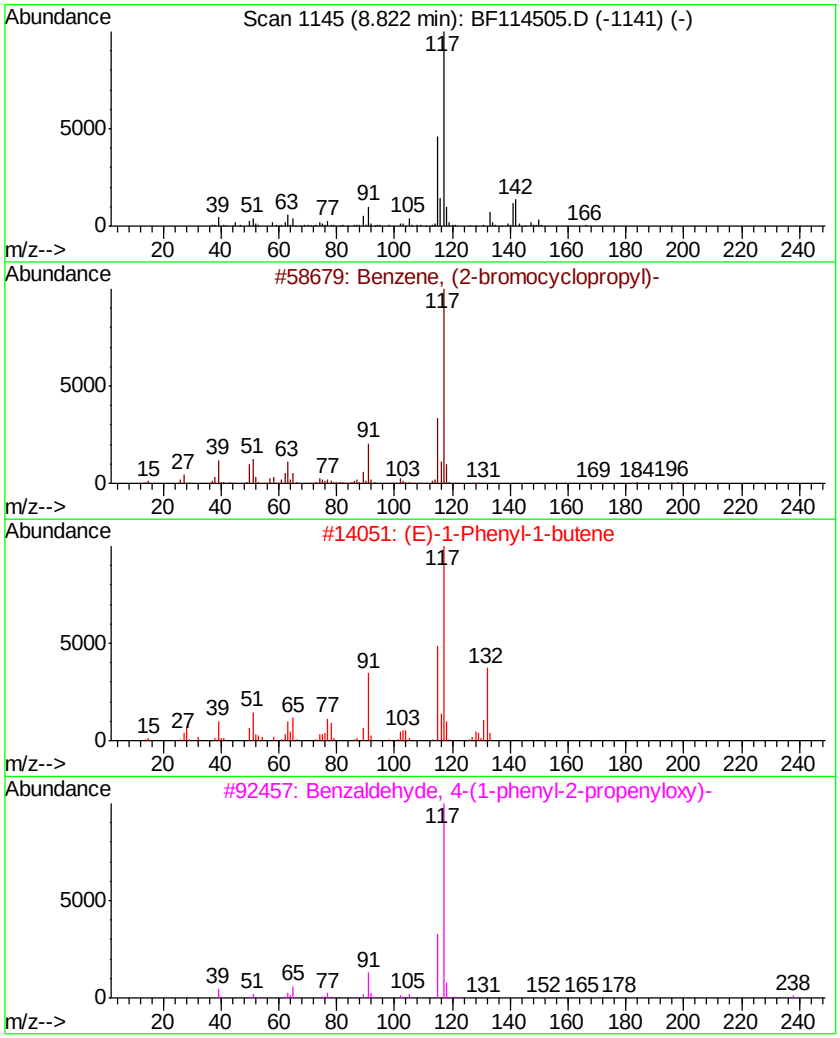
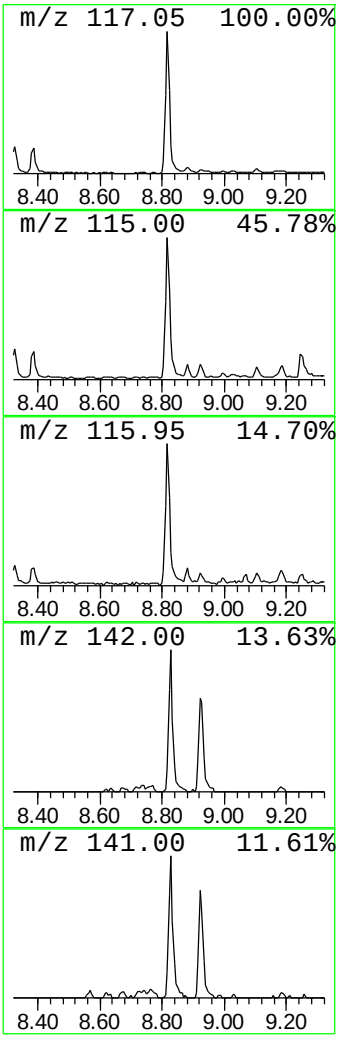
Peak Number 11 Benzene, (2-bromocyclopropyl)- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.82	6.48 ng	505064	Naphthalene-d8	8.11

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, (2-bromocyclopropyl)-	196	C9H9Br	036617-02-4	56
2	(E)-1-Phenyl-1-butene	132	C10H12	001005-64-7	56
3	Benzaldehyde, 4-(1-phenyl-2-prop...	238	C16H14O2	1000277-56-1	50
4	m-Aminophenylacetylene	117	C8H7N	054060-30-9	47
5	Indole	117	C8H7N	000120-72-9	47





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Sample : K2951-13
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TP-15-S

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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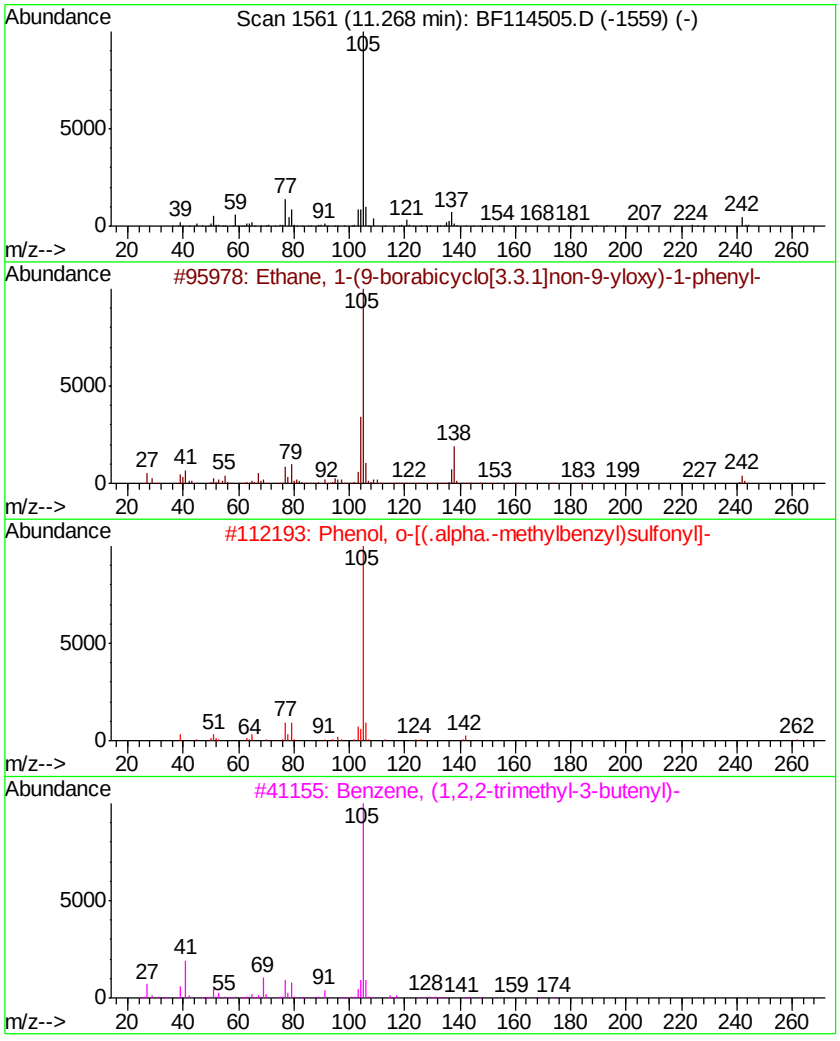
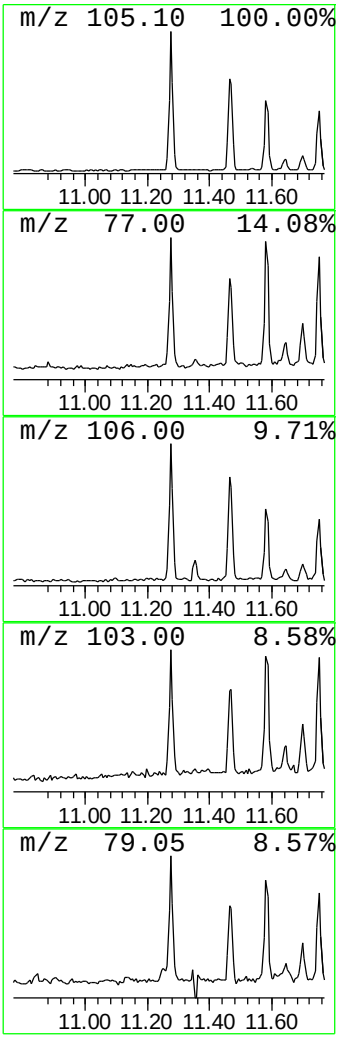
Peak Number 12 Ethane, 1-(9-borabicyclo[3.... Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.27	4.43 ng	393196	Phenanthrene-d10	11.35

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Ethane, 1-(9-borabicyclo[3.3.1]n...	242	C16H23BO	1000160-80-6	59
2	Phenol, o-[(.alpha.-methylbenzyl...	262	C14H14O3S	029634-38-6	50
3	Benzene, (1,2,2-trimethyl-3-bute...	174	C13H18	061142-17-4	50
4	Benzene, 1-(bromomethyl)-4-methyl-	184	C8H9Br	000104-81-4	50
5	1-Ethanone, 1-[4-[(2-methylpheny...	240	C16H16O2	1000338-30-8	47





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ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TP-15-S

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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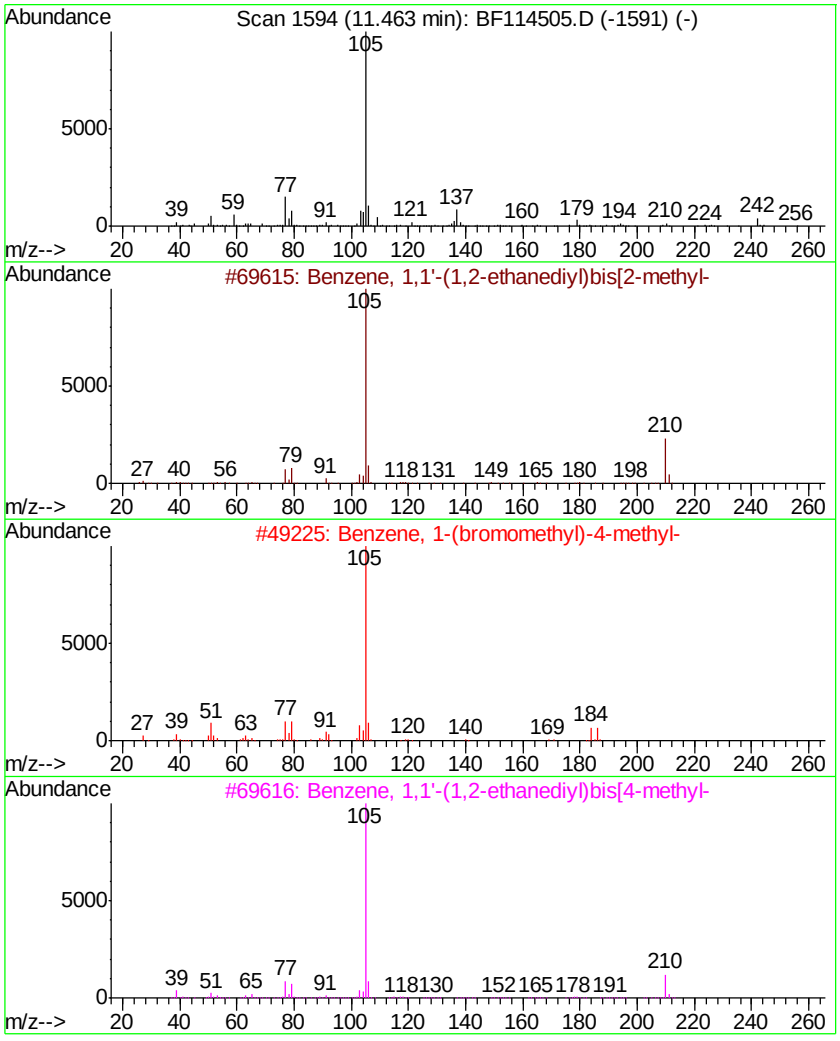
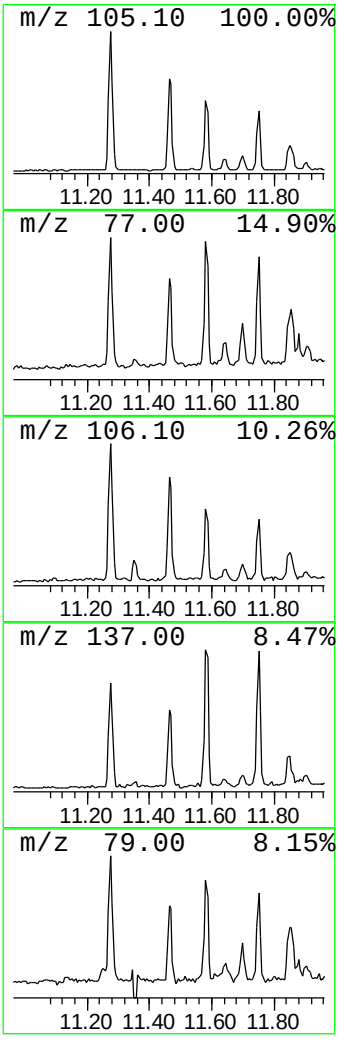
Peak Number 13 Benzene, 1,1'-(1,2-ethanedi... Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.46	4.22 ng	374472	Phenanthrene-d10	11.35

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,1'-(1,2-ethanediyl)bi...	210	C16H18	000952-80-7	53
2	Benzene, 1-(bromomethyl)-4-methyl-	184	C8H9Br	000104-81-4	53
3	Benzene, 1,1'-(1,2-ethanediyl)bi...	210	C16H18	000538-39-6	52
4	Benzaldehyde, 4-[(2-methylphenyl...	226	C15H14O2	1000338-23-1	52
5	Benzene, 1,1'-(1,2-dimethyl-1,2-...	210	C16H18	004613-11-0	52





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Instrument : BNA_F
ClientSampleId : TP-15-S

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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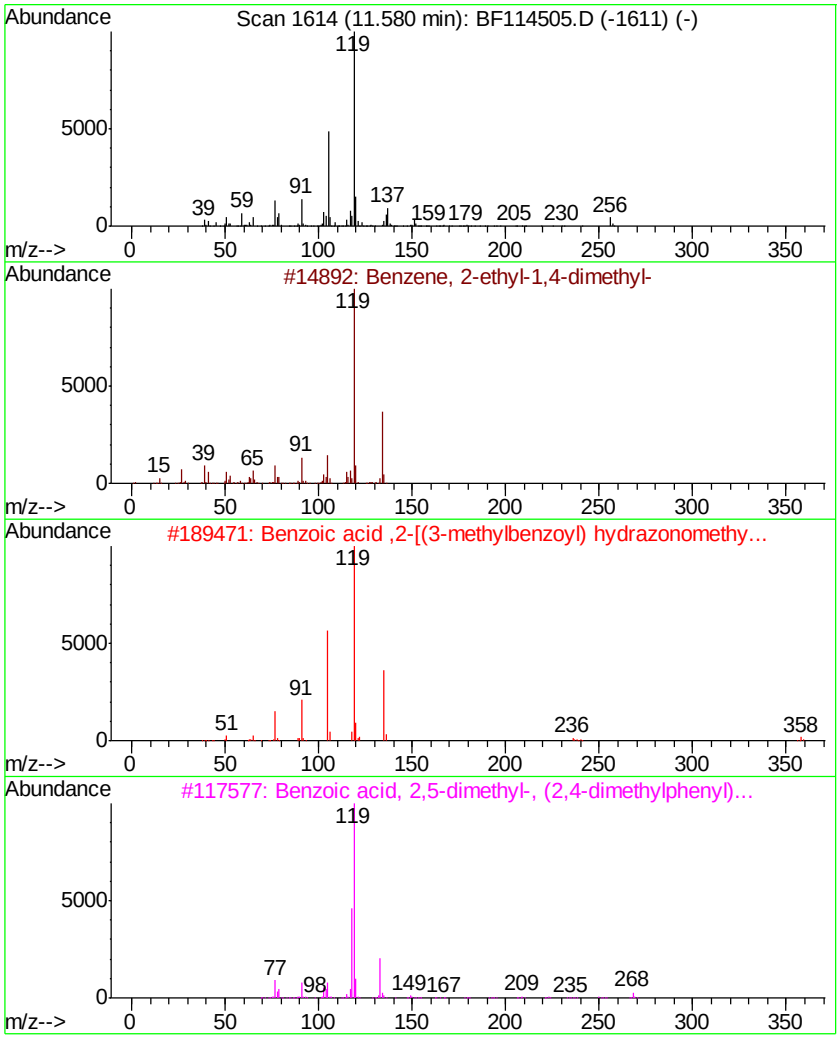
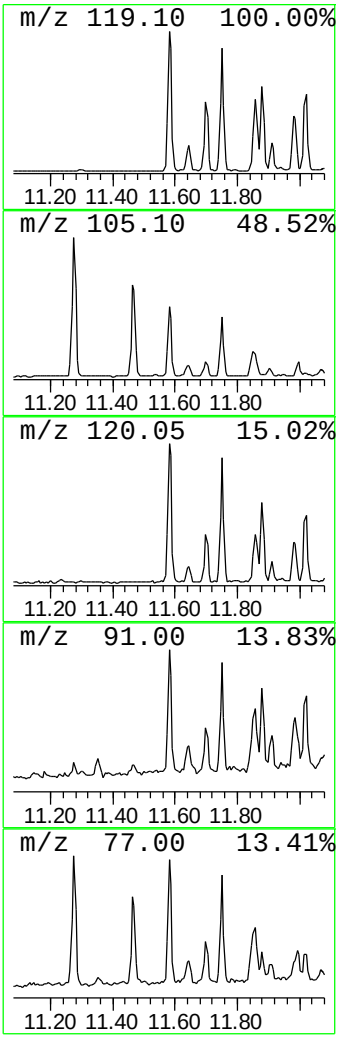
Peak Number 14 Benzene, 2-ethyl-1,4-dimethyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.58	8.15 ng	723245	Phenanthrene-d10	11.35

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	78
2	Benzoic acid ,2-[(3-methylbenzoy...	358	C22H18N2O3	1000311-38-2	64
3	Benzoic acid, 2,5-dimethyl-, (2,...	268	C18H20O2	055000-48-1	59
4	Chrysanthemumic acid 2,4-dimethy...	286	C19H26O2	000070-38-2	59
5	2,4-Dimethylphenethyl alcohol	150	C10H14O	006597-59-7	59





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Operator : JU/SJ
Sample : K2951-13
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TP-15-S

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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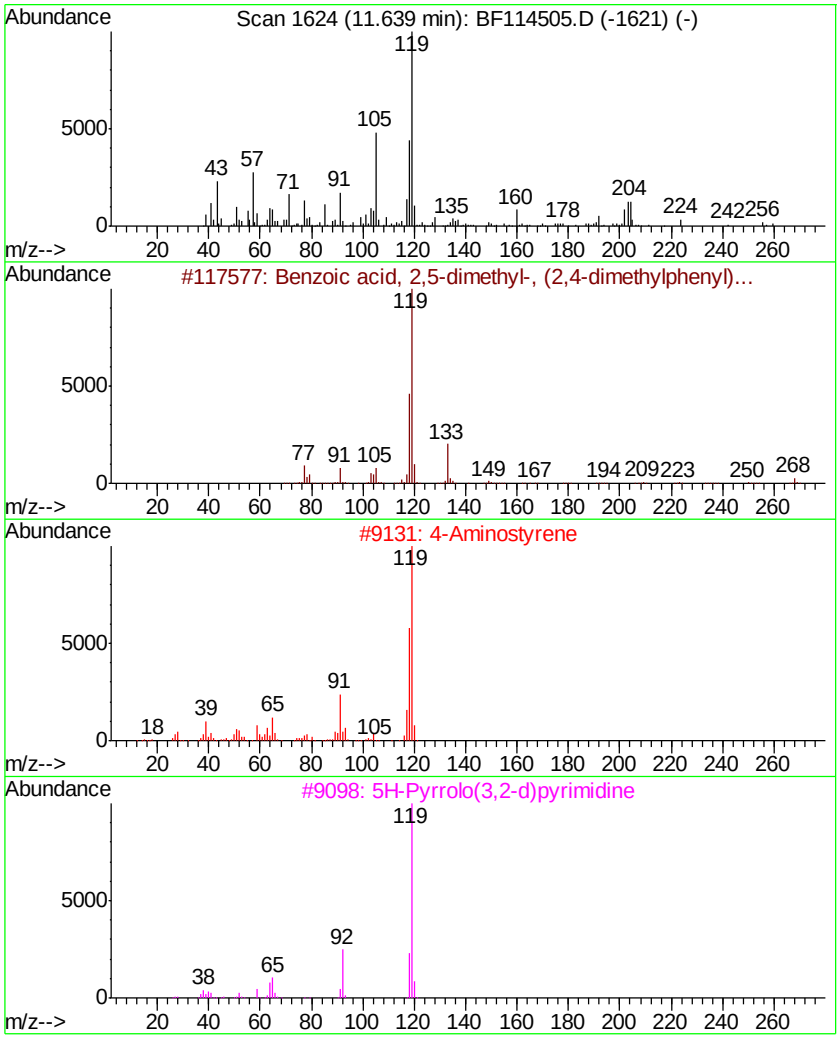
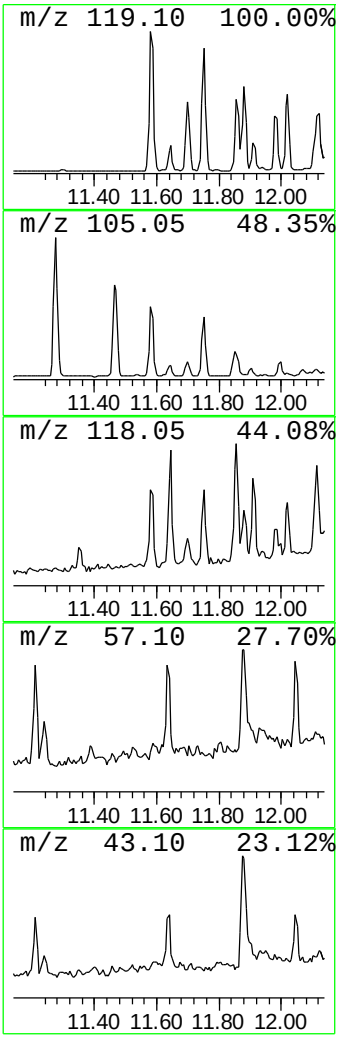
Peak Number 15 Benzoic acid, 2,5-dimethyl-... Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.64	2.58 ng	229204	Phenanthrene-d10	11.35

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzoic acid, 2,5-dimethyl-, (2,...	268	C18H20O2	055000-48-1	59
2	4-Aminostyrene	119	C8H9N	001520-21-4	58
3	5H-Pyrrolo(3,2-d)pyrimidine	119	C6H5N3	000272-50-4	46
4	1,3-Dithiane, 2-(tetrahydrofuran...	204	C8H12O2S2	1000197-25-4	43
5	3,4-Dimethylbenzyl isothiocyanate	177	C10H11NS	206559-59-3	43





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Sample : K2951-13
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ClientSampleId : TP-15-S

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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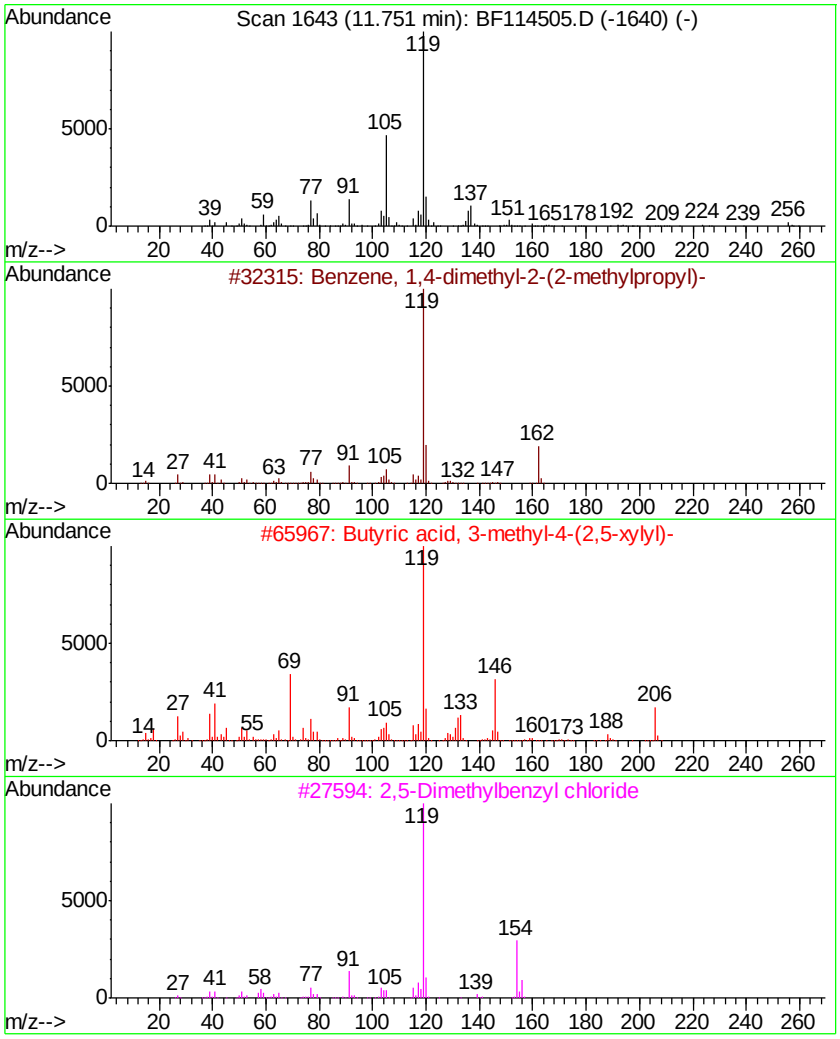
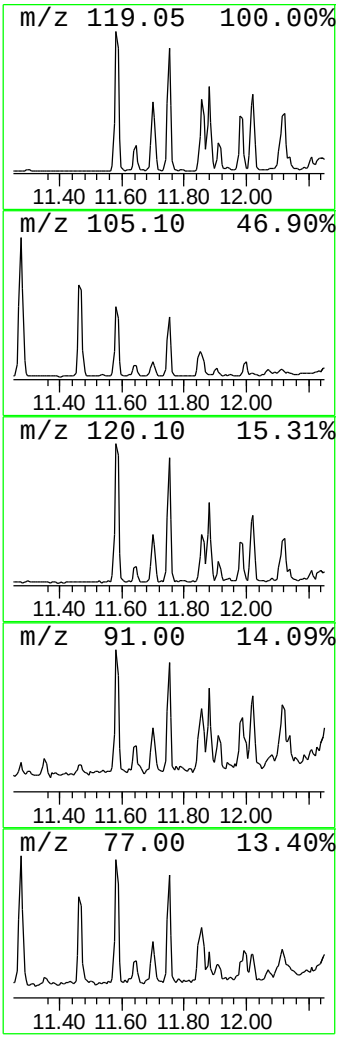
Peak Number 16 Benzene, 1,4-dimethyl-2-(2-... Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.75	6.67 ng	591511	Phenanthrene-d10	11.35

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,4-dimethyl-2-(2-methy...	162	C12H18	055669-88-0	64
2	Butyric acid, 3-methyl-4-(2,5-xy...	206	C13H18O2	030275-76-4	64
3	2,5-Dimethylbenzyl chloride	154	C9H11Cl	000824-45-3	64
4	Benzene, 1-ethyl-3,5-dimethyl-	134	C10H14	000934-74-7	64
5	Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	64





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

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

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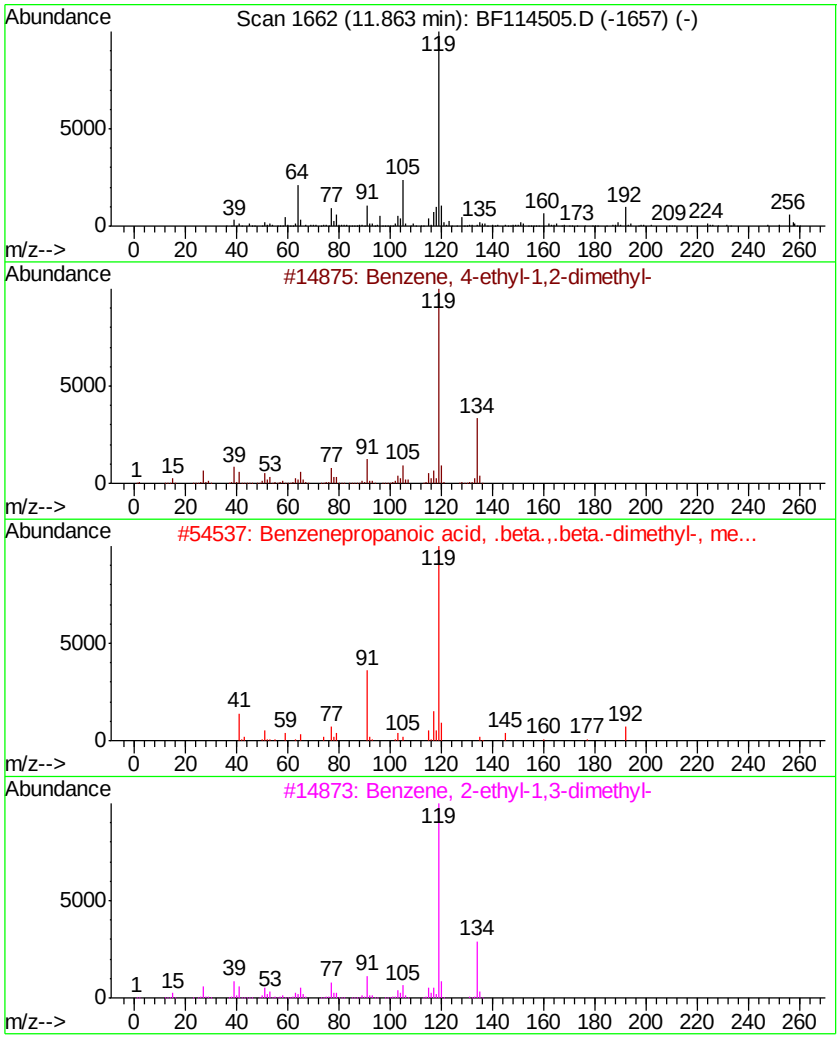
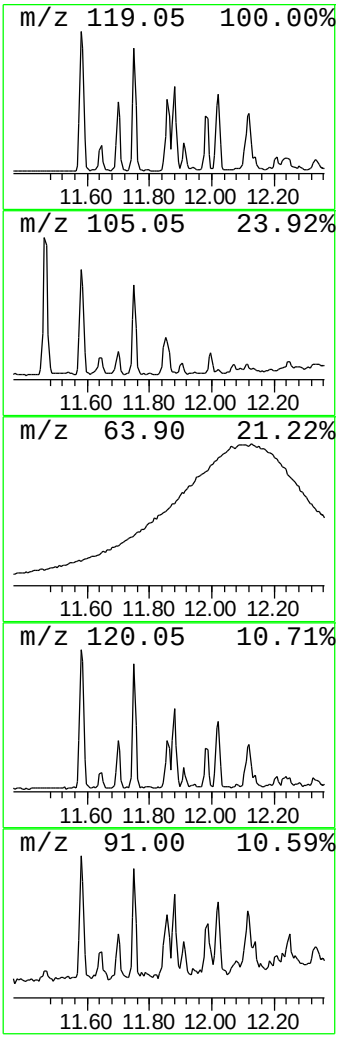
Peak Number 17 Benzene, 4-ethyl-1,2-dimethyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.86	6.85 ng	607512	Phenanthrene-d10	11.35

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	52
2	Benzenepropanoic acid, .beta.,.b...	192	C12H16O2	025080-84-6	52
3	Benzene, 2-ethyl-1,3-dimethyl-	134	C10H14	002870-04-4	52
4	Benzene, 1,1'-(1,1,2,2-tetrameth...	238	C18H22	001889-67-4	52
5	2,5-Dimethylbenzyl chloride	154	C9H11Cl	000824-45-3	50





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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
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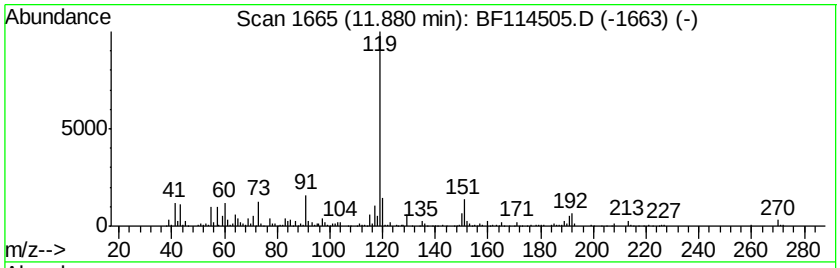
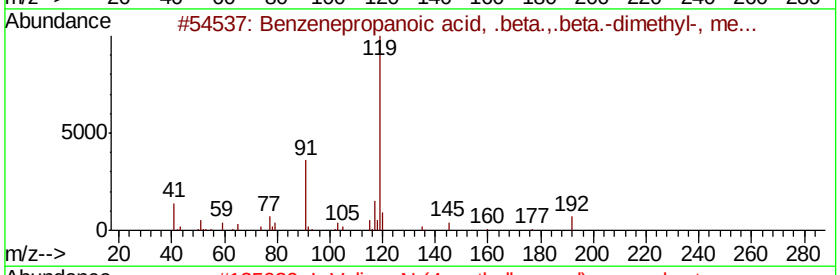
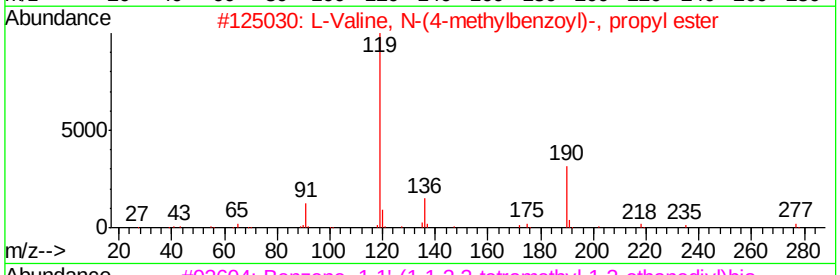
Peak Number 18 Benzenepropanoic acid, .bet... Concentration Rank 17

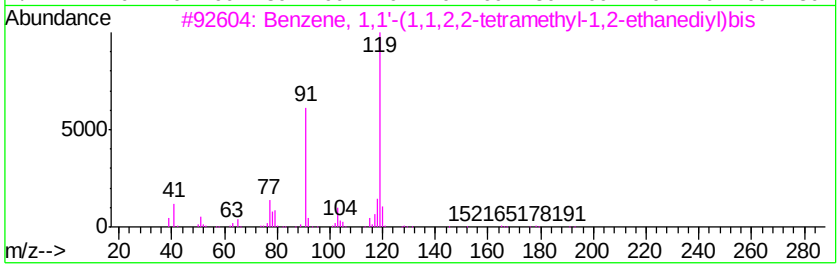
R.T.	EstConc	Area	Relative to ISTD	R.T.
11.88	4.28 ng	379361	Phenanthrene-d10	11.35

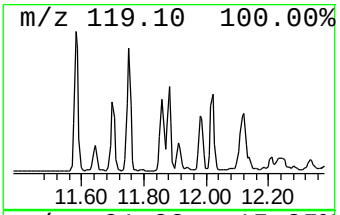
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzenepropanoic acid, .beta.,.b...	192	C12H16O2	025080-84-6	52
2	L-Valine, N-(4-methylbenzoyl)-, ...	277	C16H23NO3	1000346-63-8	50
3	Benzene, 1,1'-(1,1,2,2-tetrameth...	238	C18H22	001889-67-4	50
4	2,4-Dimethylbenzyl chloride	154	C9H11Cl	000824-55-5	50
5	Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	50

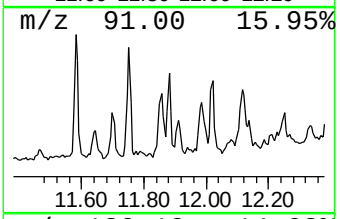


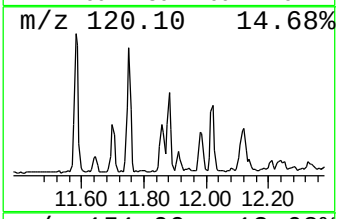


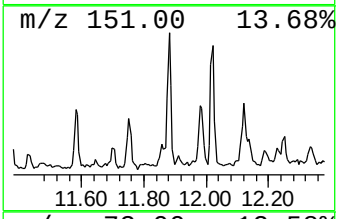


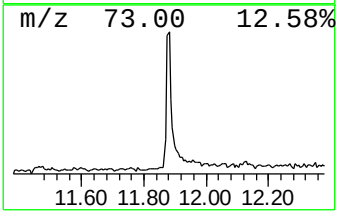












Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF052219\
Data File : BF114505.D
Acq On : 23 May 2019 1:13
Operator : JU/SJ
Sample : K2951-13
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TP-15-S

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF051019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

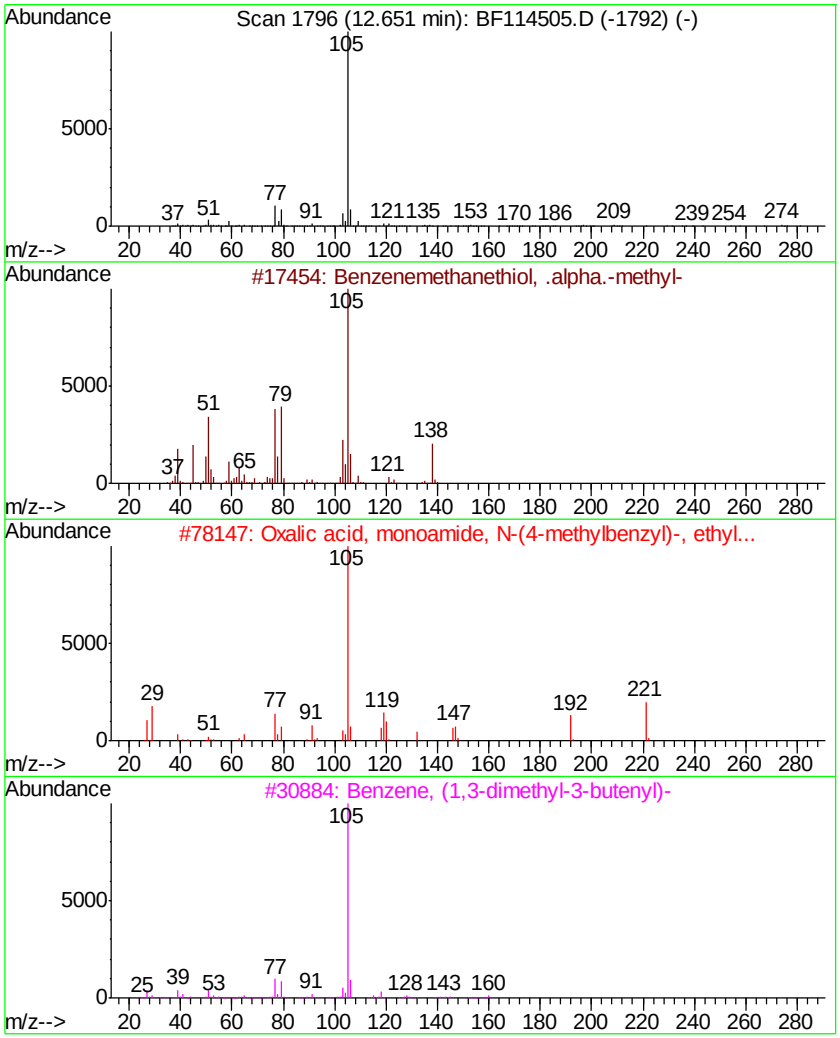
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

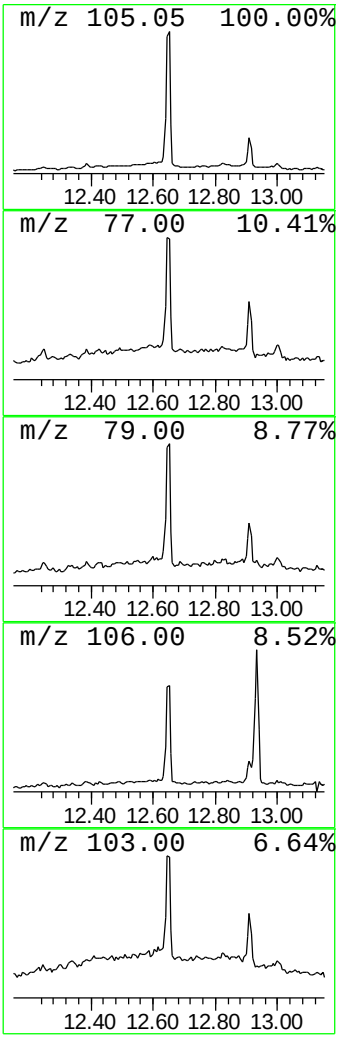
****

Peak Number 19 Benzenemethanethiol, .alpha... Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.65	7.06 ng	626659	Phenanthrene-d10	11.35

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzenemethanethiol, .alpha.-met...	138	C8H10S	006263-65-6	72
2	Oxalic acid, monoamide, N-(4-met...	221	C12H15NO3	1000309-53-3	59
3	Benzene, (1,3-dimethyl-3-butenyl)-	160	C12H16	056851-51-5	59
4	(4-Methylphenyl) methanol, 1-met...	178	C12H18O	1000374-65-6	59
5	Benzene, 1,1'-(1,2-ethanediyl)bi...	210	C16H18	000538-39-6	59





Tentatively Identified Compound (LSC) summary

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF052219\
Data File : BF114505.D
Acq On : 23 May 2019 1:13
Operator : JU/SJ
Sample : K2951-13
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TP-15-S

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF051019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

					Internal Standard		
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
unknown6.60	6.60	59.4	ng	3340910	1	6.83	1125840	20.0
Benzene, 1-etheny...	6.66	7.9	ng	444415	1	6.83	1125840	20.0
Benzene, 1-etheny...	6.70	3.4	ng	189305	1	6.83	1125840	20.0
Indene	7.09	13.6	ng	764959	1	6.83	1125840	20.0
Benzene, 1-(bromo...	7.68	14.4	ng	1121860	2	8.11	1559320	20.0
1H-Indene, 1-methyl-	7.91	4.8	ng	374870	2	8.11	1559320	20.0
Benzene, 1-methyl...	8.33	8.0	ng	626901	2	8.11	1559320	20.0
o-Cymene	8.39	8.5	ng	665165	2	8.11	1559320	20.0
Benzene, (2-bromo...	8.82	6.5	ng	505064	2	8.11	1559320	20.0
Ethane, 1-(9-bora...	11.27	4.4	ng	393196	4	11.35	1774650	20.0
Benzene, 1,1'-(1,...	11.46	4.2	ng	374472	4	11.35	1774650	20.0
Benzene, 2-ethyl-...	11.58	8.2	ng	723245	4	11.35	1774650	20.0
Benzoic acid, 2,5...	11.64	2.6	ng	229204	4	11.35	1774650	20.0
Benzene, 1,4-dime...	11.75	6.7	ng	591511	4	11.35	1774650	20.0
Benzene, 4-ethyl-...	11.86	6.8	ng	607512	4	11.35	1774650	20.0
Benzenepropanoic ...	11.88	4.3	ng	379361	4	11.35	1774650	20.0
Benzenemethanethi...	12.65	7.1	ng	626659	4	11.35	1774650	20.0