LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF052119\
Data File : BF114467.D
Acq On : 21 May 2019 20:16
Operator : JU/SJ
Sample : K2913-03
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TP-17-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	5.422	560	567	570	rBV3	152366	287628	3.78%	0.250%
2	5.463	570	574	582	rVB	5320929	5354906	70.42%	4.654%
3	5.598	594	597	602	rBV3	112990	164332	2.16%	0.143%
4	5.681	608	611	614	rBV3	121093	173095	2.28%	0.150%
5	5.845	634	639	644	rVB3	255963	409257	5.38%	0.356%
6	5.904	644	649	651	rBV2	160795	236444	3.11%	0.205%
7	5.986	660	663	667	rVB3	336298	394305	5.19%	0.343%
8	6.034	667	671	674	rBV	286114	321821	4.23%	0.280%
9	6.081	674	679	682	rVV2	847107	1017626	13.38%	0.884%
10	6.133	685	688	691	rVV	381471	375396	4.94%	0.326%
11	6.169	691	694	697	rVV3	198464	272233	3.58%	0.237%
12	6.222	701	703	706	rVB2	187788	160413	2.11%	0.139%
13	6.269	706	711	714	rBV2	570819	720503	9.47%	0.626%
14	6.328	719	721	724	rVB2	216540	189594	2.49%	0.165%
15	6.363	724	727	729	rBV2	843258	1014264	13.34%	0.881%
16	6.481	742	747	749	rBV	5359731	5558520	73.10%	4.831%
17	6.504	749	751	754	rVB3	505984	418918	5.51%	0.364%
18	6.533	754	756	759	rVB	391350	346472	4.56%	0.301%
19	6.610	759	769	775	rBV	6134359	7604325	100.00%	6.609%
20	6.675	775	780	781	rBV3	541242	938448	12.34%	0.816%
21	6.692	781	783	786	rVB2	626348	530483	6.98%	0.461%
22	6.757	790	794	798	rBV6	576951	1110925	14.61%	0.966%
23	6.798	798	801	803	rBV3	753917	720891	9.48%	0.627%
24	6.833	803	807	808	rBV	1321231	1343986	17.67%	1.168%
25	6.892	813	817	820	rBV	1407806	1621425	21.32%	1.409%
26	6.928	820	823	825	rBV2	931881	1186687	15.61%	1.031%
27	6.951	825	827	829	rBV	1042943	781655	10.28%	0.679%
28	6.986	829	833	836	rBV2	3955718	4578521	60.21%	3.979%
29	7.016	836	838	840	rVB	1387350	1106757	14.55%	0.962%
30	7.039	840	842	843	rBV	289105	181180	2.38%	0.157%
31	7.063	843	846	848	rBV	819728	723130	9.51%	0.628%
32	7.104	848	853	858	rVB4	1771060	2760218	36.30%	2.399%
33	7.151	858	861	863	rBV3	555938	534152	7.02%	0.464%
34	7.181	863	866	869	rBV3	949663	1149715	15.12%	0.999%

LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF052119\
Data File : BF114467.D
Acq On : 21 May 2019 20:16
Operator : JU/SJ
Sample : K2913-03
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TP-17-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	7.228	871	874	877	rBV3	1758552	1940628	25.52%	1.687%
36	7.257	877	879	886	rVB6	1117124	1852675	24.36%	1.610%
37	7.316	886	889	892	rBV2	630130	872682	11.48%	0.758%
38	7.375	892	899	900	rBV4	2293330	4354669	57.27%	3.785%
39	7.398	900	903	908	rVV	2614958	2933002	38.57%	2.549%
40	7.475	912	916	921	rVB5	2857099	4946005	65.04%	4.299%
41	7.539	921	927	933	rBV5	1661493	5074297	66.73%	4.410%
42	7.592	933	936	938	rBV2	937738	984925	12.95%	0.856%
43	7.616	938	940	942	rVV2	1986663	2303579	30.29%	2.002%
44	7.645	942	945	948	rVV3	4111284	4702045	61.83%	4.087%
45	7.675	948	950	953	rVB	1063286	875360	11.51%	0.761%
46	7.763	963	965	969	rVB3	4197937	4172605	54.87%	3.626%
47	7.833	974	977	980	rBV3	896041	1196872	15.74%	1.040%
48	7.945	993	996	1001	rBV3	2156655	3571353	46.96%	3.104%
49	8.063	1014	1016	1018	rBV	1150274	1122604	14.76%	0.976%
50	8.122	1022	1026	1032	rVV7	2255975	5554311	73.04%	4.827%
51	11.892	1665	1667	1669	rBV	1686724	1497234	19.69%	1.301%
52	12.327	1739	1741	1745	rVV2	1708666	1792959	23.58%	1.558%
53	12.363	1745	1747	1749	rVB	1593091	1184391	15.58%	1.029%
54	12.439	1756	1760	1762	rBV	3277329	3427888	45.08%	2.979%
55	12.468	1762	1765	1767	rVV2	1243761	1478701	19.45%	1.285%
56	12.515	1771	1773	1776	rVB	1324666	1205700	15.86%	1.048%
57	12.545	1776	1778	1782	rVB	1224245	1229660	16.17%	1.069%
58	12.586	1783	1785	1789	rVB3	932443	947229	12.46%	0.823%
59	12.762	1813	1815	1819	rVB	1069013	938282	12.34%	0.815%
60	12.827	1824	1826	1830	rVV	1539197	1694154	22.28%	1.472%
61	12.868	1830	1833	1836	rVB	2029442	1962005	25.80%	1.705%
62	12.921	1839	1842	1843	rVV2	604535	639674	8.41%	0.556%
63	12.945	1843	1846	1848	rVB	3604473	3081001	40.52%	2.678%
64	13.392	1920	1922	1929	rVB2	452422	532245	7.00%	0.463%
65	13.998	2021	2025	2029	rBV	1276867	1511439	19.88%	1.314%
66	15.474	2272	2276	2281	rVB	933636	1192891	15.69%	1.037%

Sum of corrected areas: 115061290

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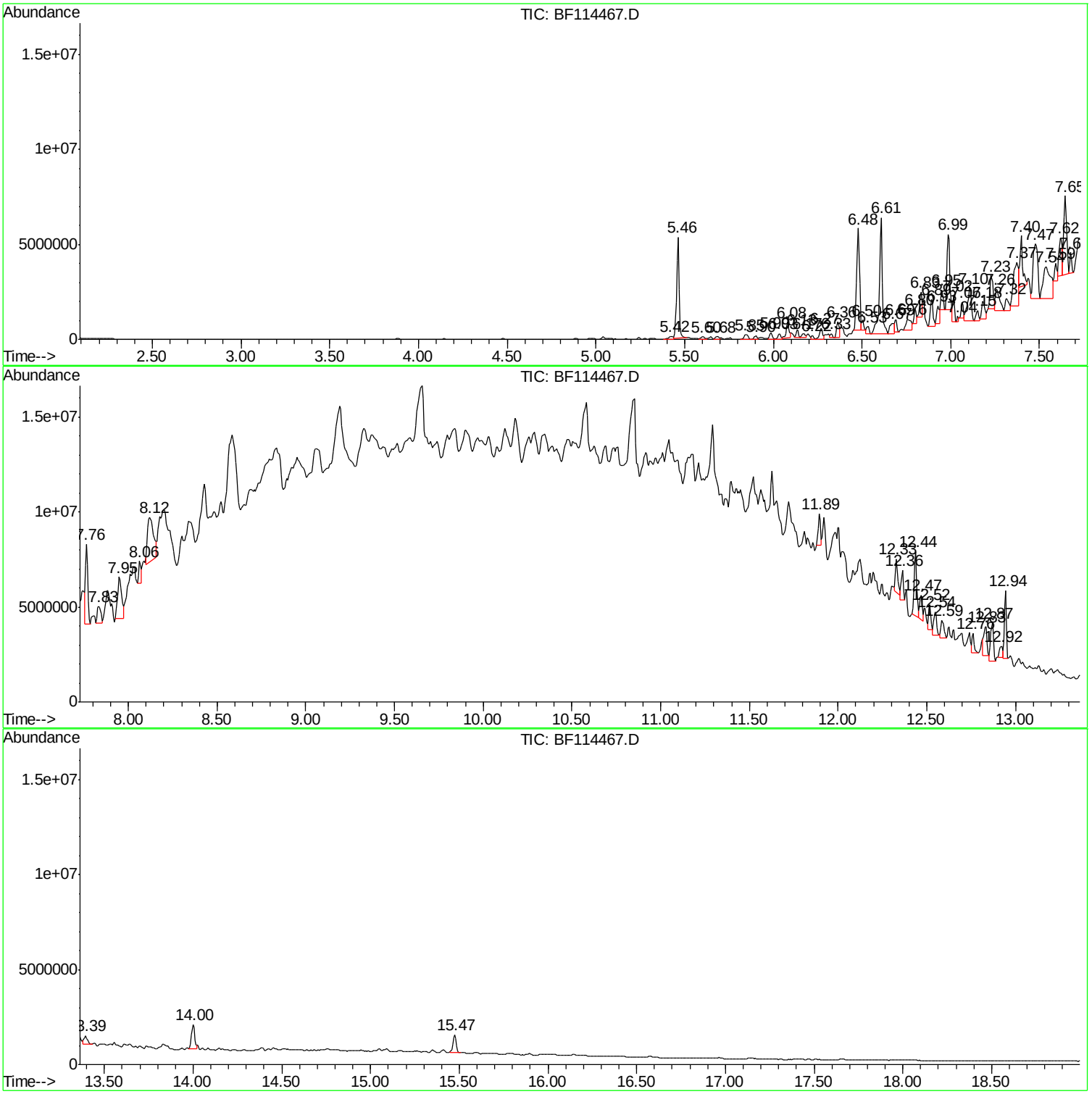
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-17-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\BF052119\
Data File : BF114467.D
Acq On : 21 May 2019 20:16
Operator : JU/SJ
Sample : K2913-03
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TP-17-S

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

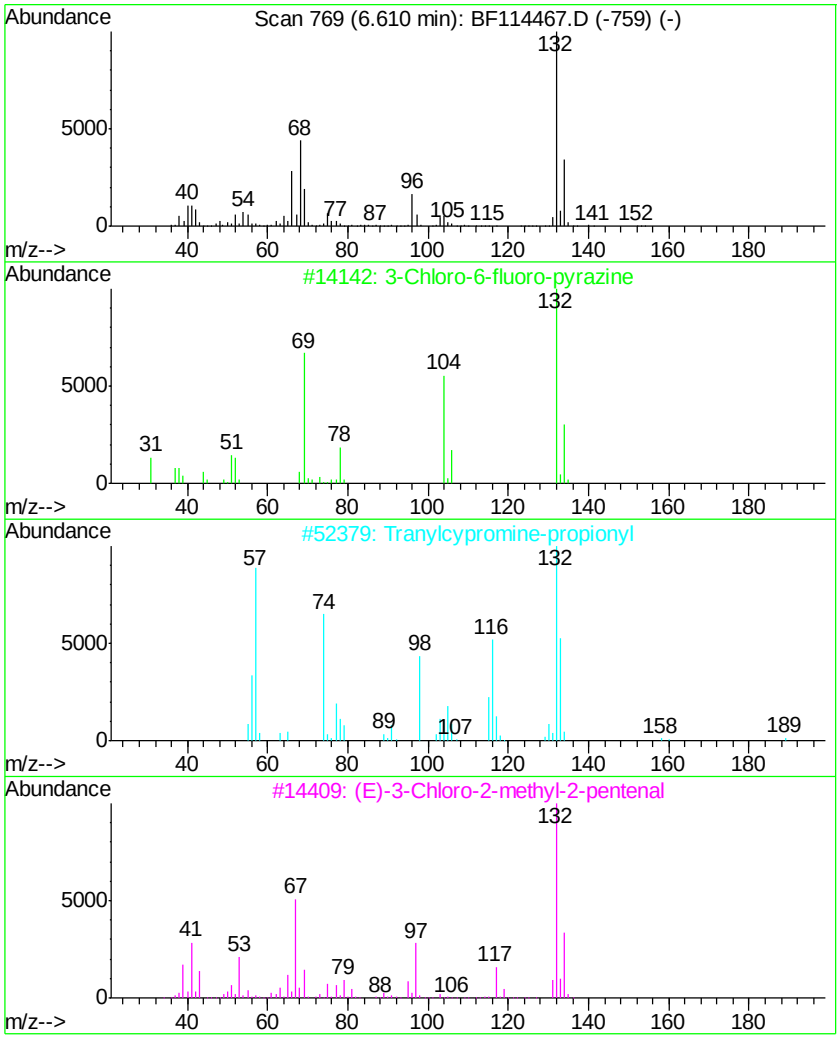
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

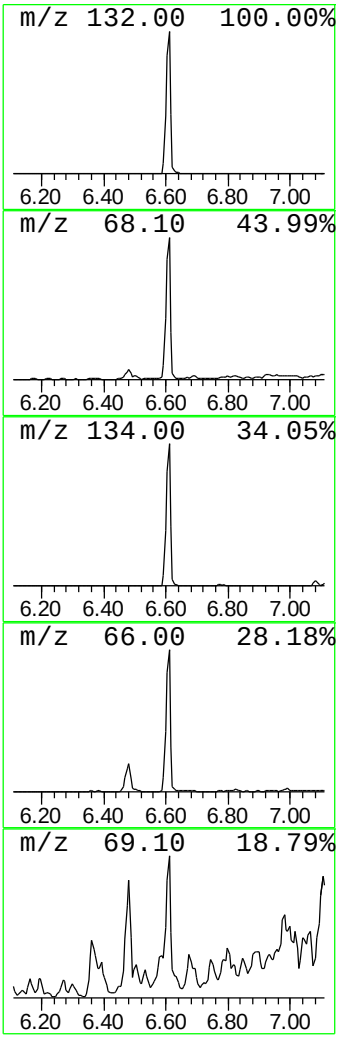
****

Peak Number 1 unknown6.61 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.61	113.16 ng	7604330	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	Tranylcypromine-propionyl	189	C12H15NO	1000123-86-3	12
3	(E)-3-Chloro-2-methyl-2-pentenal	132	C6H9ClO	031357-76-3	9
4	Bicyclo[4.2.0]octa-1,3,5-triene,...	132	C10H12	028749-81-7	9
5	Benzene, 1-ethenyl-3,5-dimethyl-	132	C10H12	005379-20-4	9





Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF052119\
Data File : BF114467.D
Acq On : 21 May 2019 20:16
Operator : JU/SJ
Sample : K2913-03
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TP-17-S

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

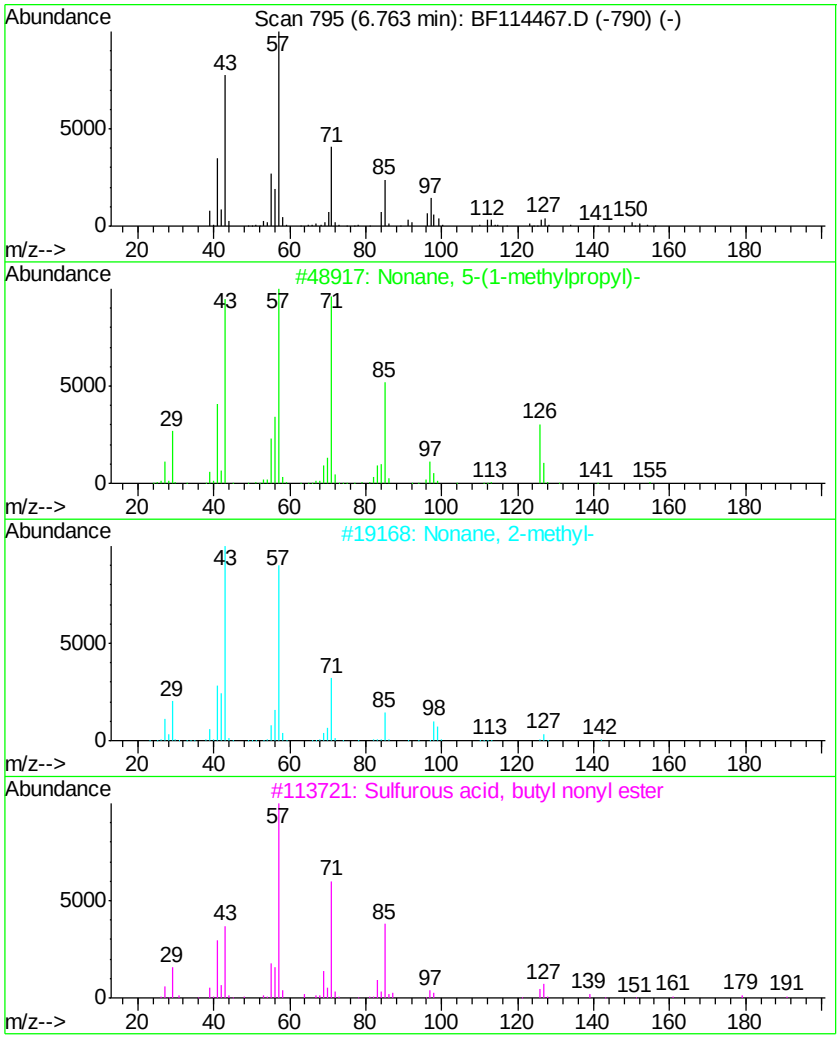
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

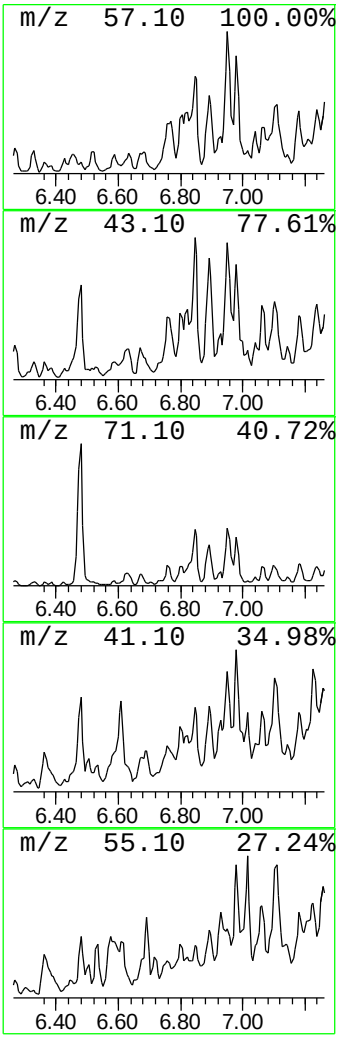
****

Peak Number 2 Nonane, 5-(1-methylpropyl)- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.76	16.53 ng	1110930	1,4-Dichlorobenzene-d4	6.83

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Nonane, 5-(1-methylpropyl)-	184	C13H28	062185-54-0	59
2	Nonane, 2-methyl-	142	C10H22	000871-83-0	59
3	Sulfurous acid, butyl nonyl ester	264	C13H28O3S	1000309-17-6	59
4	Tridecane, 6-methyl-	198	C14H30	013287-21-3	53
5	Sulfurous acid, 2-ethylhexyl iso...	278	C14H30O3S	1000309-19-0	53





Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF052119\
Data File : BF114467.D
Acq On : 21 May 2019 20:16
Operator : JU/SJ
Sample : K2913-03
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TP-17-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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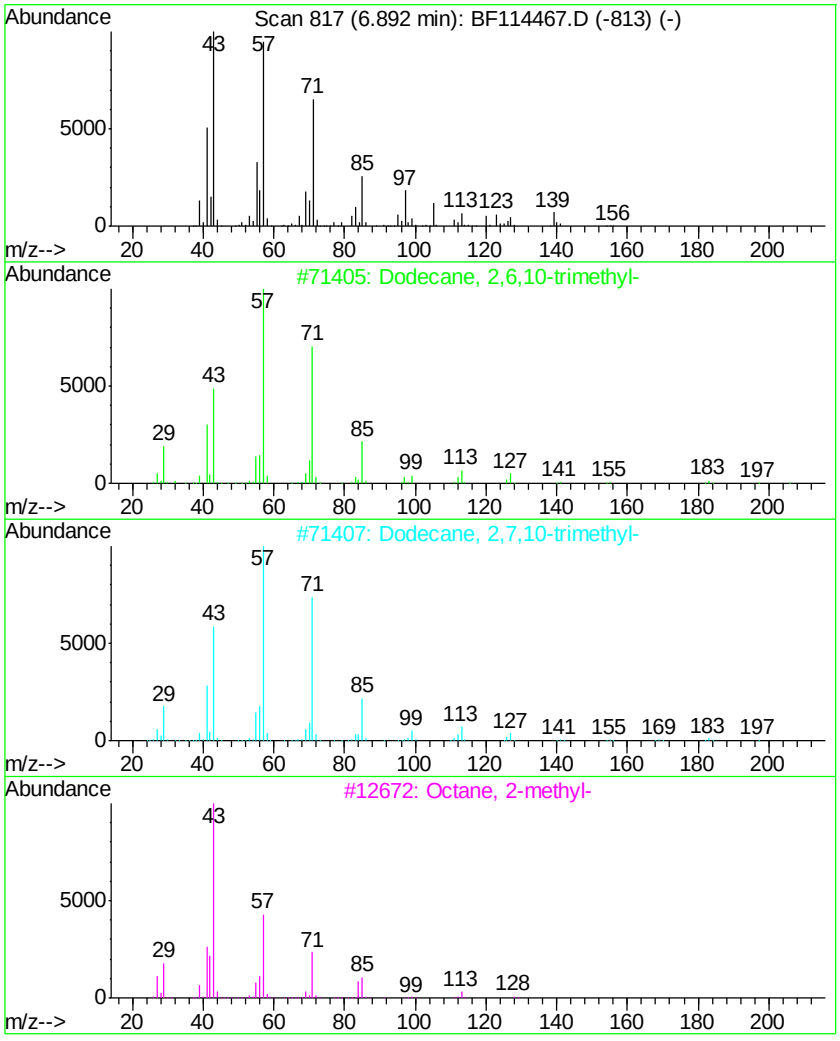
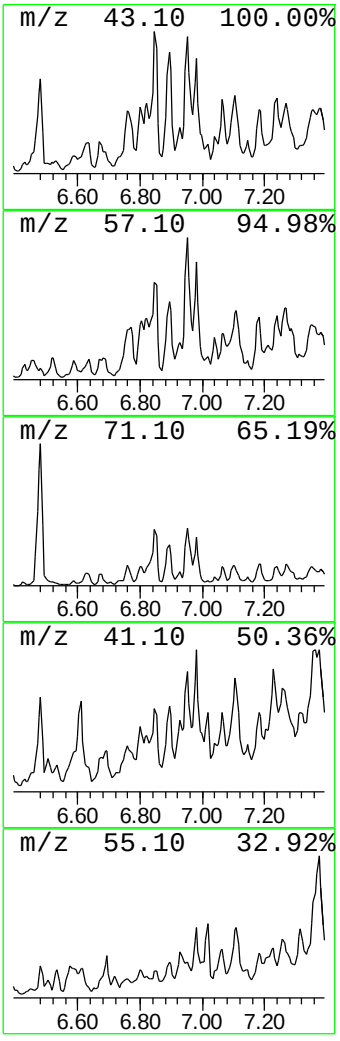
Peak Number 3 Dodecane, 2,6,10-trimethyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.89	24.13 ng	1621430	1,4-Dichlorobenzene-d4	6.83

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dodecane, 2,6,10-trimethyl-	212	C15H32	003891-98-3	64
2	Dodecane, 2,7,10-trimethyl-	212	C15H32	074645-98-0	64
3	Octane, 2-methyl-	128	C9H20	003221-61-2	58
4	Sulfurous acid, 2-ethylhexyl hex...	278	C14H30O3S	1000309-20-2	53
5	Undecane, 5-methyl-	170	C12H26	001632-70-8	50





Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF052119\
Data File : BF114467.D
Acq On : 21 May 2019 20:16
Operator : JU/SJ
Sample : K2913-03
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TP-17-S

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

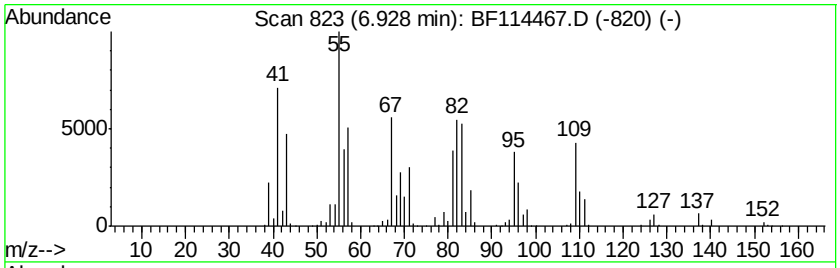
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

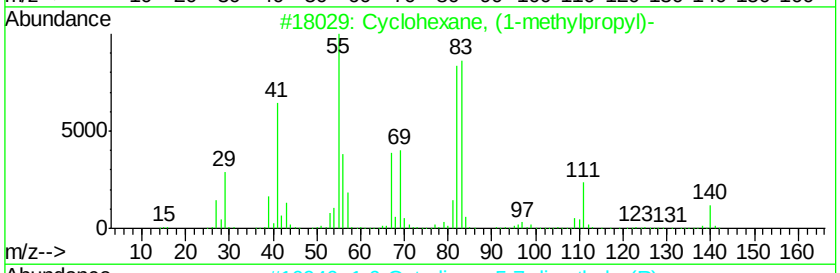
****

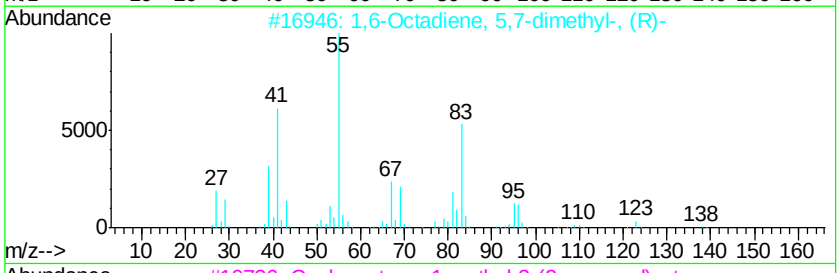
Peak Number 4 unknown6.93 Concentration Rank 14

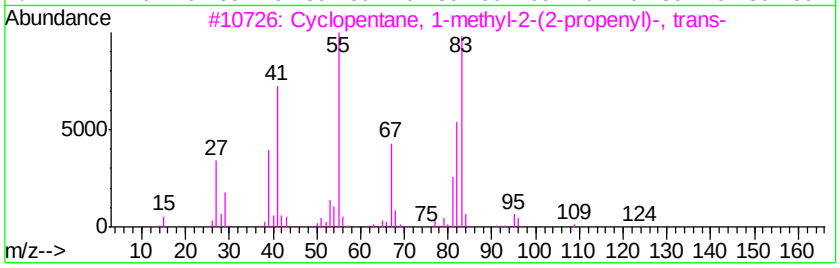
R.T.	EstConc	Area	Relative to ISTD	R.T.
6.93	17.66 ng	1186690	1,4-Dichlorobenzene-d4	6.83

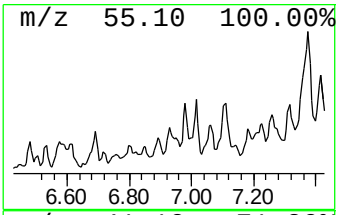
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, (1-methylpropyl)-	140	C10H20	007058-01-7	46
2	1,6-Octadiene, 5,7-dimethyl-, (R)-	138	C10H18	085006-04-8	25
3	Cyclopentane, 1-methyl-2-(2-prop...	124	C9H16	050746-53-7	25
4	Bicyclo[3.2.1]octane	110	C8H14	006221-55-2	25
5	5-Decen-1-ol, (Z)-	156	C10H20O	051652-47-2	22

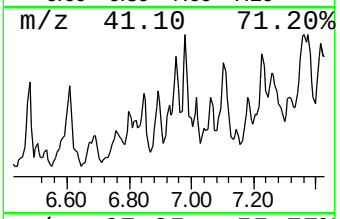


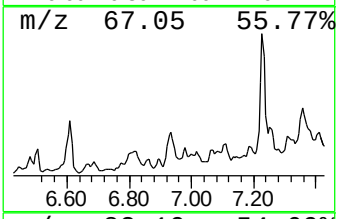


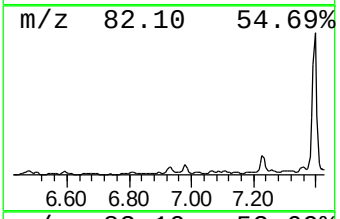


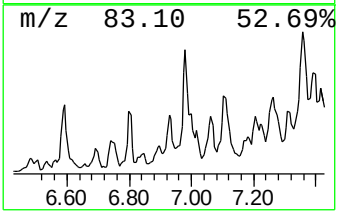












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Data File : BF114467.D
Acq On : 21 May 2019 20:16
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Sample : K2913-03
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TP-17-S

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

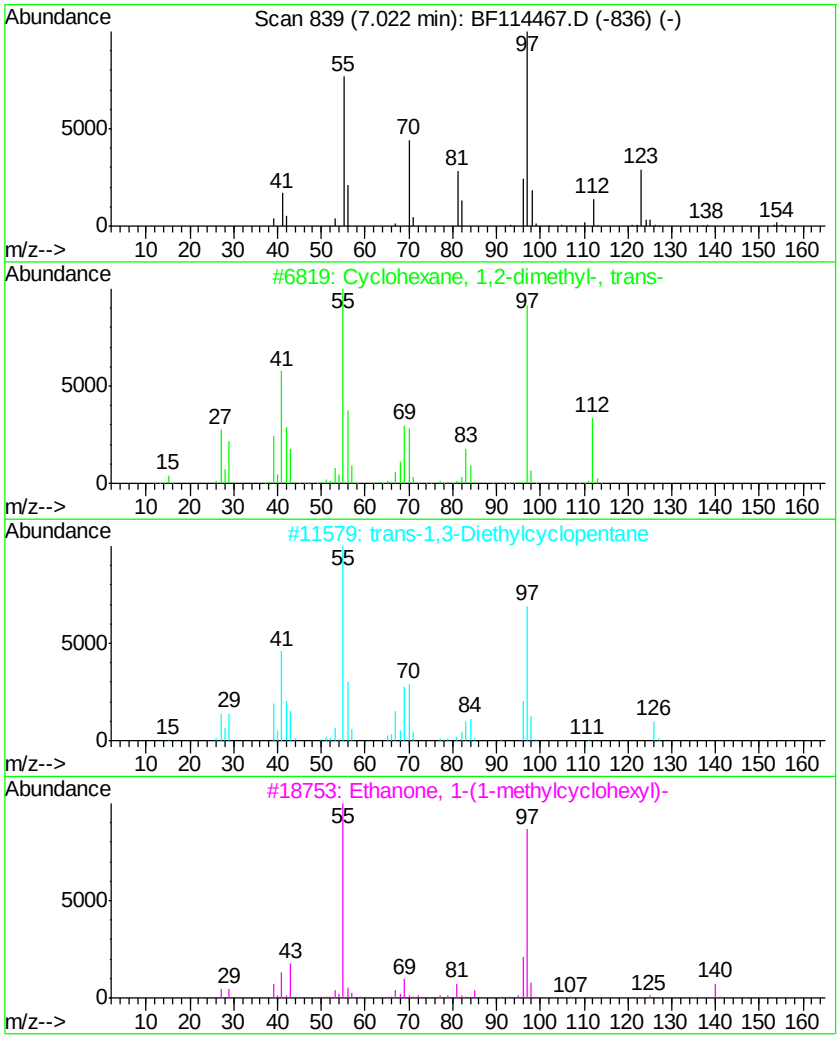
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

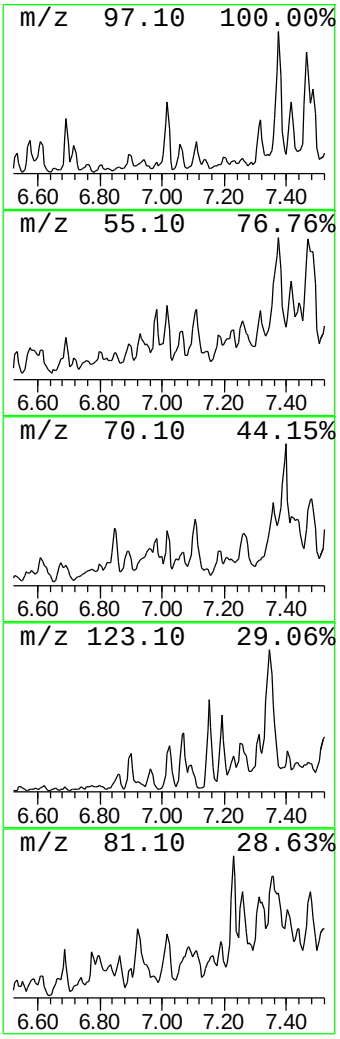
****

Peak Number 6 Cyclohexane, 1,2-dimethyl-,... Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.02	16.47 ng	1106760	1,4-Dichlorobenzene-d4	6.83

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1,2-dimethyl-, trans-	112	C8H16	006876-23-9	53
2	trans-1,3-Diethylcyclopentane	126	C9H18	1000113-87-1	50
3	Ethanone, 1-(1-methylcyclohexyl)-	140	C9H16O	002890-62-2	47
4	2,4-Dimethyl-1,5-diazabicyclo[3....	112	C6H12N2	100463-01-2	47
5	Cyclohexane, 1,4-dimethyl-, cis-	112	C8H16	000624-29-3	45





Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF052119\
Data File : BF114467.D
Acq On : 21 May 2019 20:16
Operator : JU/SJ
Sample : K2913-03
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TP-17-S

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

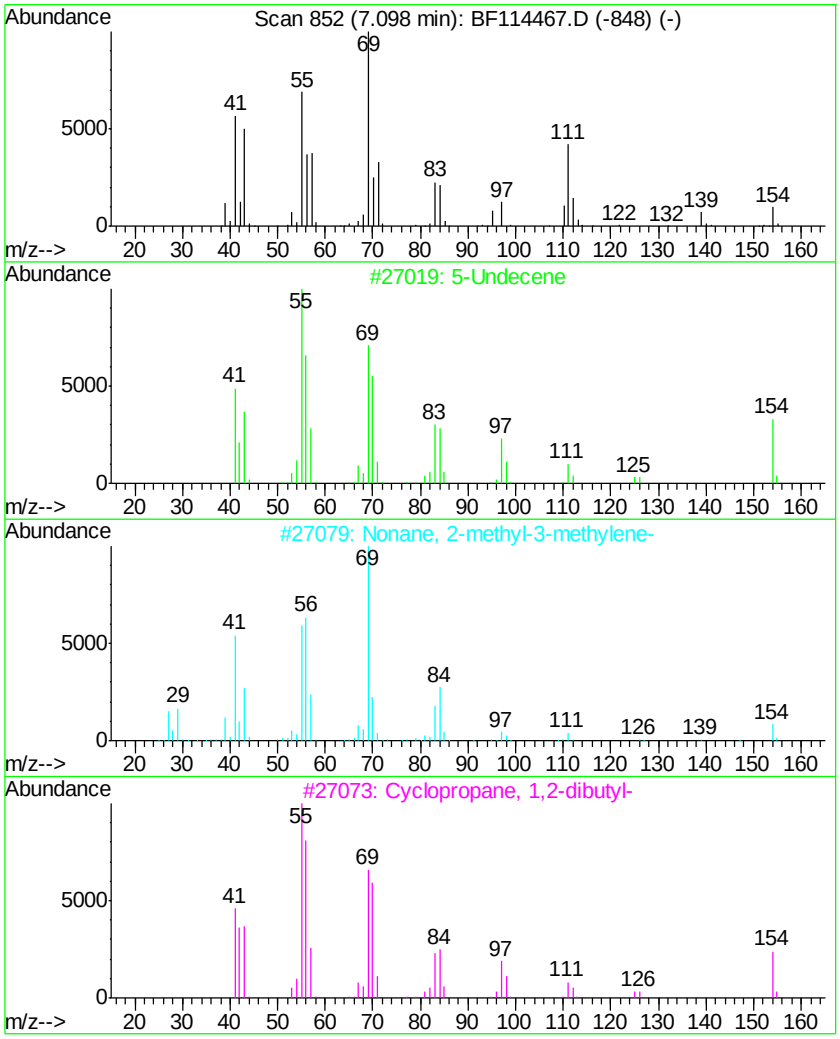
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

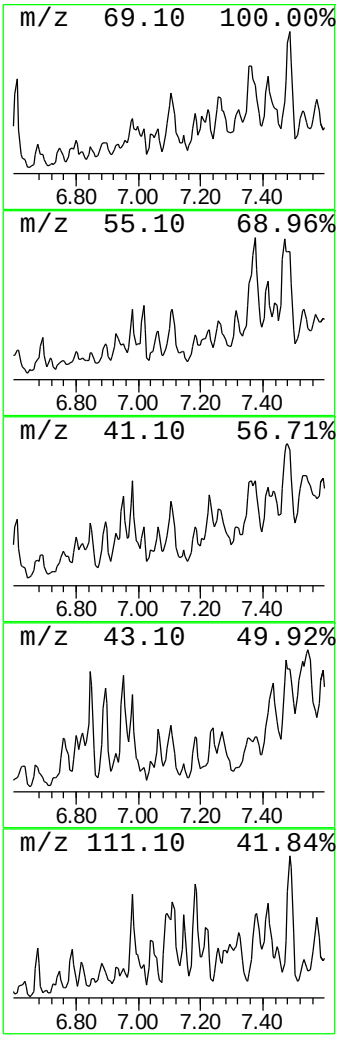
****

Peak Number 7 5-Undecene Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.10	41.08 ng	2760220	1,4-Dichlorobenzene-d4	6.83

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	5-Undecene	154	C11H22	004941-53-1	87
2	Nonane, 2-methyl-3-methylene-	154	C11H22	055499-08-6	58
3	Cyclopropane, 1,2-dibutyl-	154	C11H22	041977-32-6	53
4	2-Decene, 4-methyl-, (Z)-	154	C11H22	074630-30-1	52
5	4-Nonene, 5-methyl-	140	C10H20	015918-07-7	47





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Acq On : 21 May 2019 20:16
Operator : JU/SJ
Sample : K2913-03
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TP-17-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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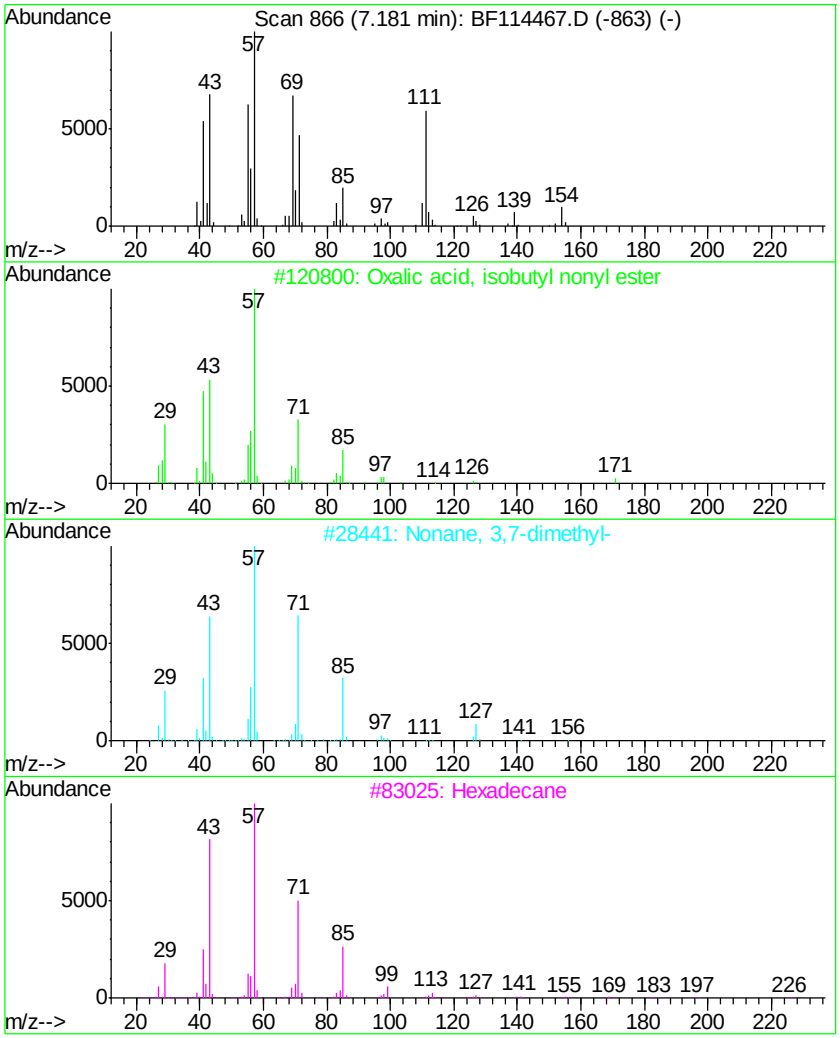
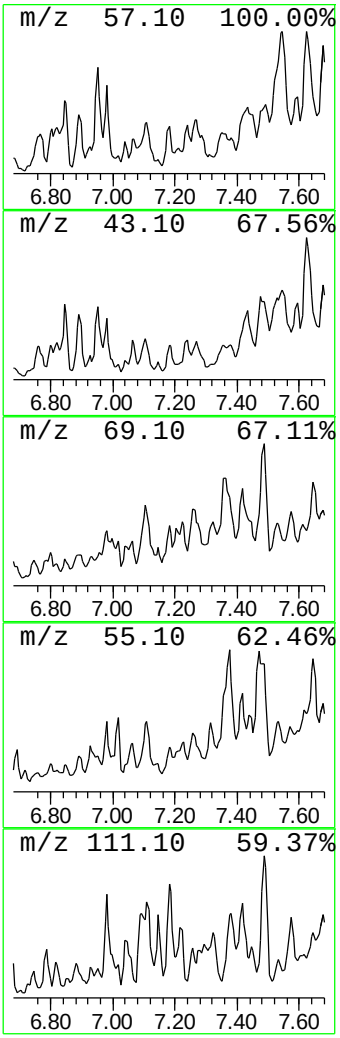
Peak Number 8 unknown7.18 Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.18	17.11 ng	1149720	1,4-Dichlorobenzene-d4	6.83

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Oxalic acid, isobutyl nonyl ester	272	C15H28O4	1000309-37-4	43
2	Nonane, 3,7-dimethyl-	156	C11H24	017302-32-8	43
3	Hexadecane	226	C16H34	000544-76-3	38
4	Dodecane, 2,6,10-trimethyl-	212	C15H32	003891-98-3	38
5	Decane, 2,9-dimethyl-	170	C12H26	001002-17-1	38





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Misc :
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Instrument : BNA_F
ClientSampleId : TP-17-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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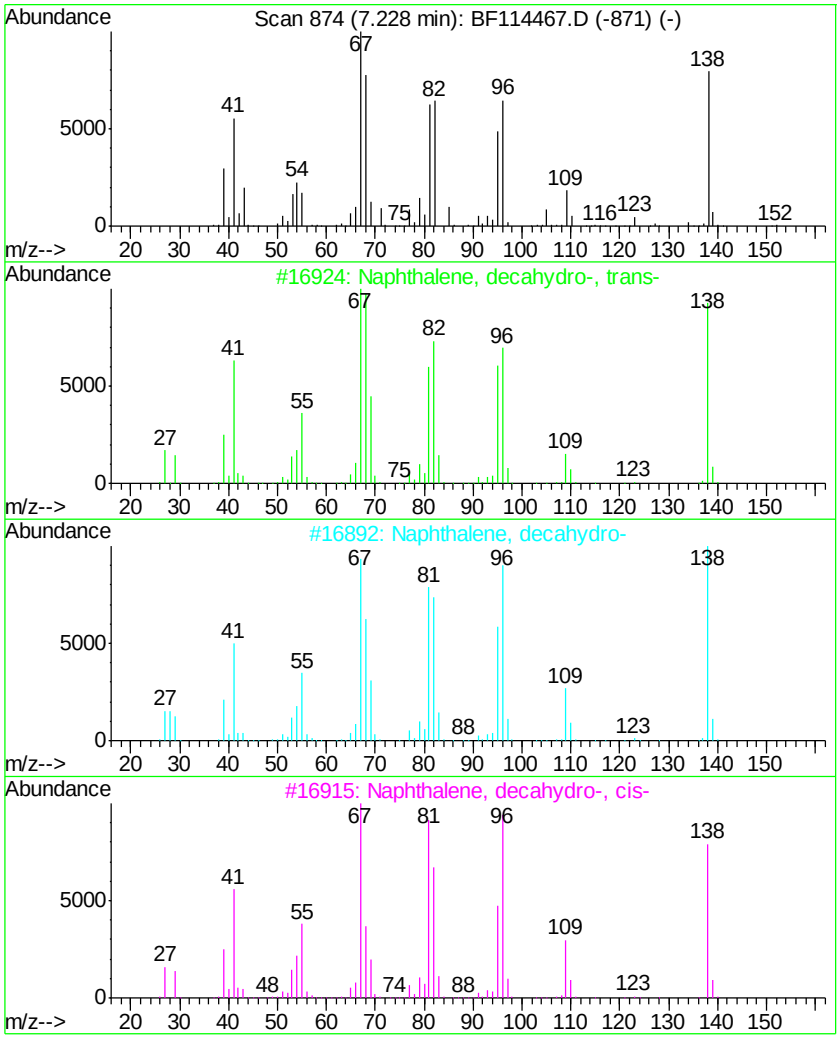
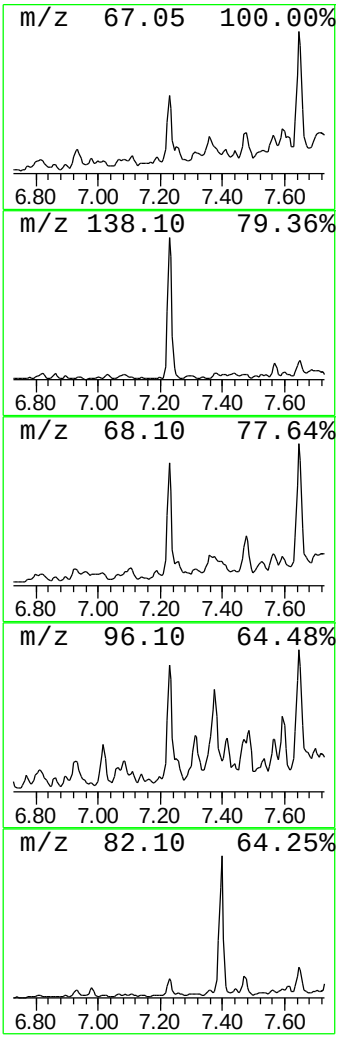
Peak Number 9 Naphthalene, decahydro-, tr... Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.23	28.88 ng	1940630	1,4-Dichlorobenzene-d4	6.83

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, decahydro-, trans-	138	C10H18	000493-02-7	93
2	Naphthalene, decahydro-	138	C10H18	000091-17-8	93
3	Naphthalene, decahydro-, cis-	138	C10H18	000493-01-6	76
4	Spiro[4.5]decane	138	C10H18	000176-63-6	70
5	Spiro[4.4]nonan-2-one	138	C9H14O	034177-18-9	58





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Instrument : BNA_F
ClientSampleId : TP-17-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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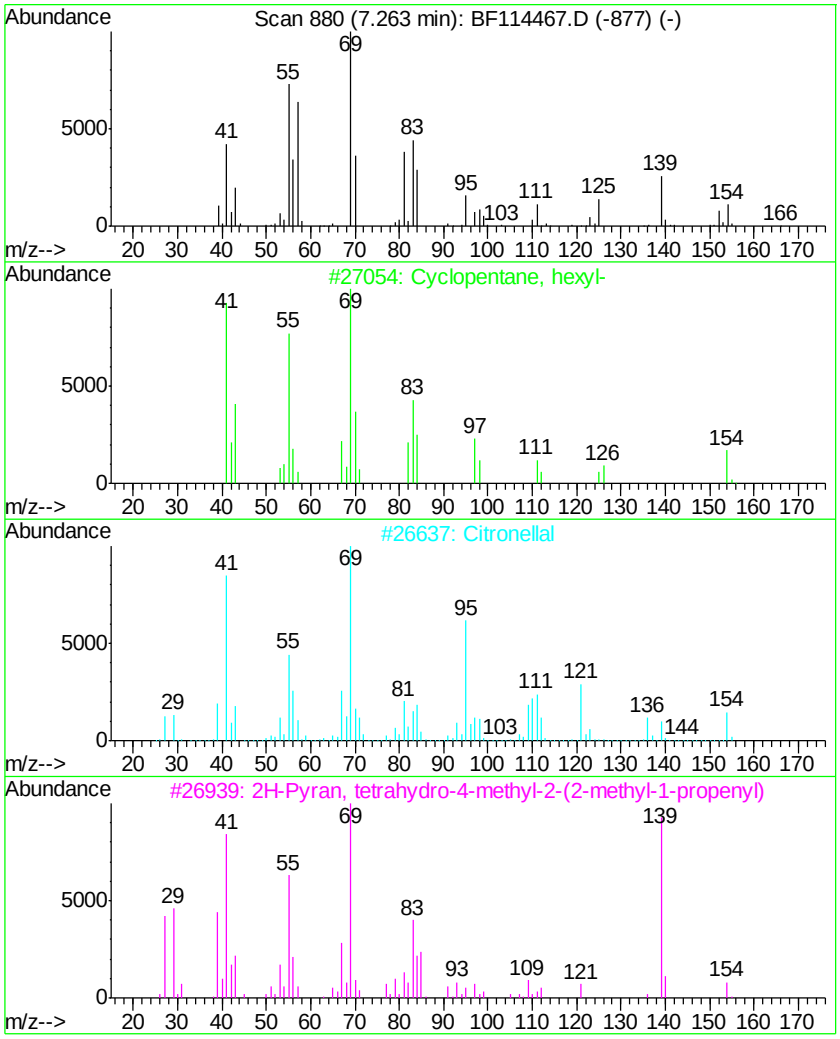
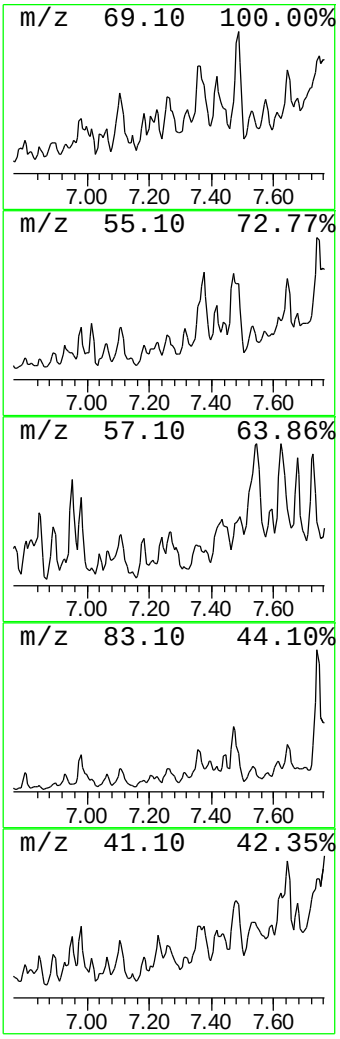
Peak Number 10 Cyclopentane, hexyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.26	27.57 ng	1852680	1,4-Dichlorobenzene-d4	6.83

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentane, hexyl-	154	C11H22	004457-00-5	53
2	Citronellal	154	C10H18O	000106-23-0	49
3	2H-Pyran, tetrahydro-4-methyl-2-...	154	C10H18O	016409-43-1	47
4	4-Octene, 2,3,7-trimethyl-, [S-(...	154	C11H22	052763-13-0	43
5	4-Octene, 2,3,6-trimethyl-	154	C11H22	063830-65-9	43





Library Search Compound Report

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Sample : K2913-03
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Instrument : BNA_F
ClientSampleId : TP-17-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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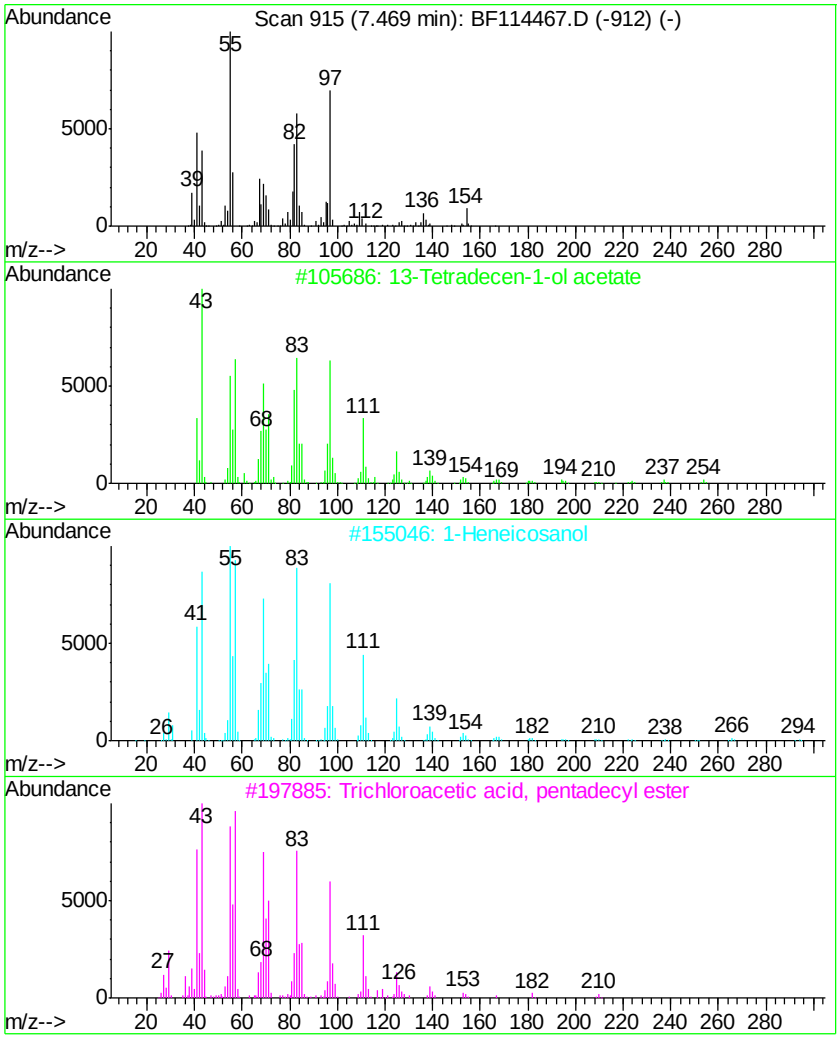
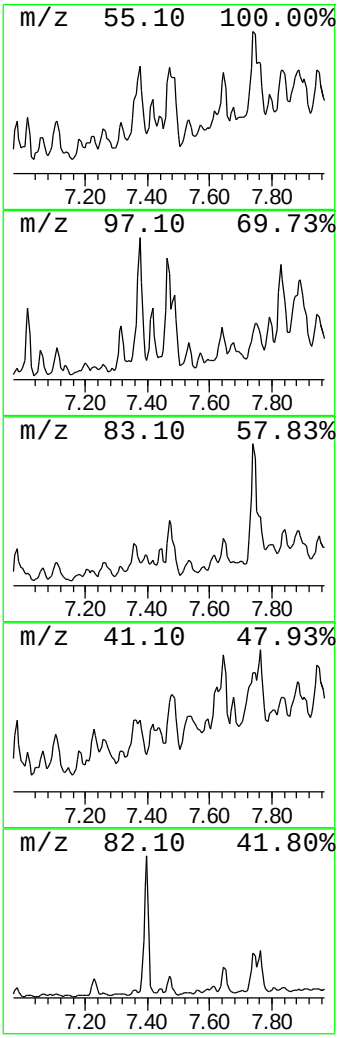
Peak Number 11 13-Tetradecen-1-ol acetate Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.47	73.60 ng	4946010	1,4-Dichlorobenzene-d4	6.83

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	13-Tetradecen-1-ol acetate	254	C16H30O2	056221-91-1	72
2	1-Heneicosanol	312	C21H44O	015594-90-8	53
3	Trichloroacetic acid, pentadecyl...	372	C17H31Cl3O2	074339-53-0	53
4	1-Nonadecene	266	C19H38	018435-45-5	50
5	Trichloroacetic acid, hexadecyl ...	386	C18H33Cl3O2	074339-54-1	49





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Acq On : 21 May 2019 20:16
Operator : JU/SJ
Sample : K2913-03
Misc :
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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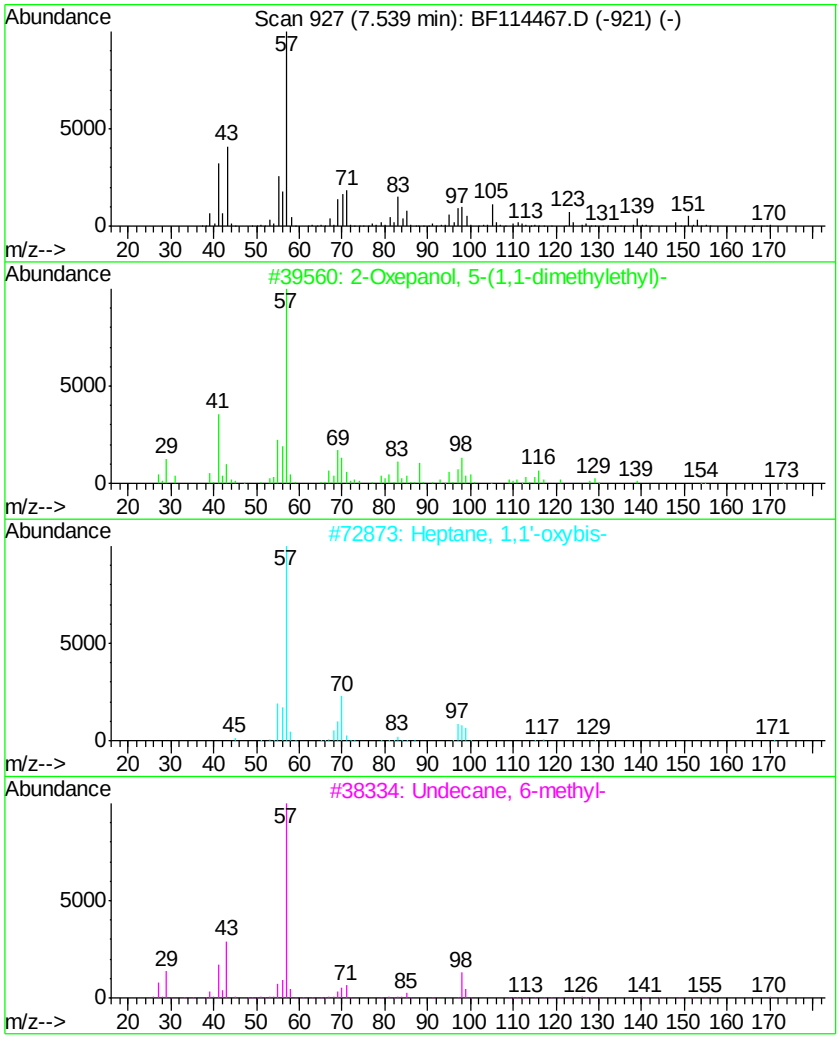
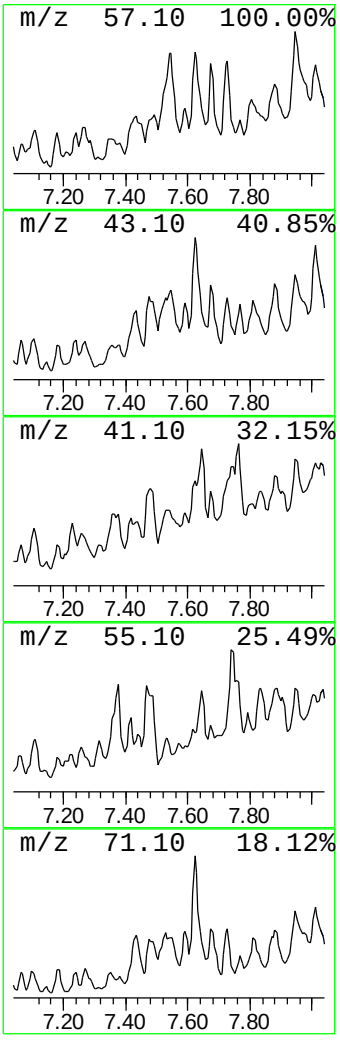
Peak Number 12 unknown7.54 Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.54	18.27 ng	5074300	Naphthalene-d8	8.12

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Oxepanol, 5-(1,1-dimethylethyl)-	172	C10H20O2	111711-01-4	47
2	Heptane, 1,1'-oxybis-	214	C14H30O	000629-64-1	43
3	Undecane, 6-methyl-	170	C12H26	017302-33-9	35
4	Heptane, 3-ethyl-2-methyl-	142	C10H22	014676-29-0	35
5	Hexane, 3-ethyl-2,5-dimethyl-	142	C10H22	052897-04-8	32





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Operator : JU/SJ
Sample : K2913-03
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TP-17-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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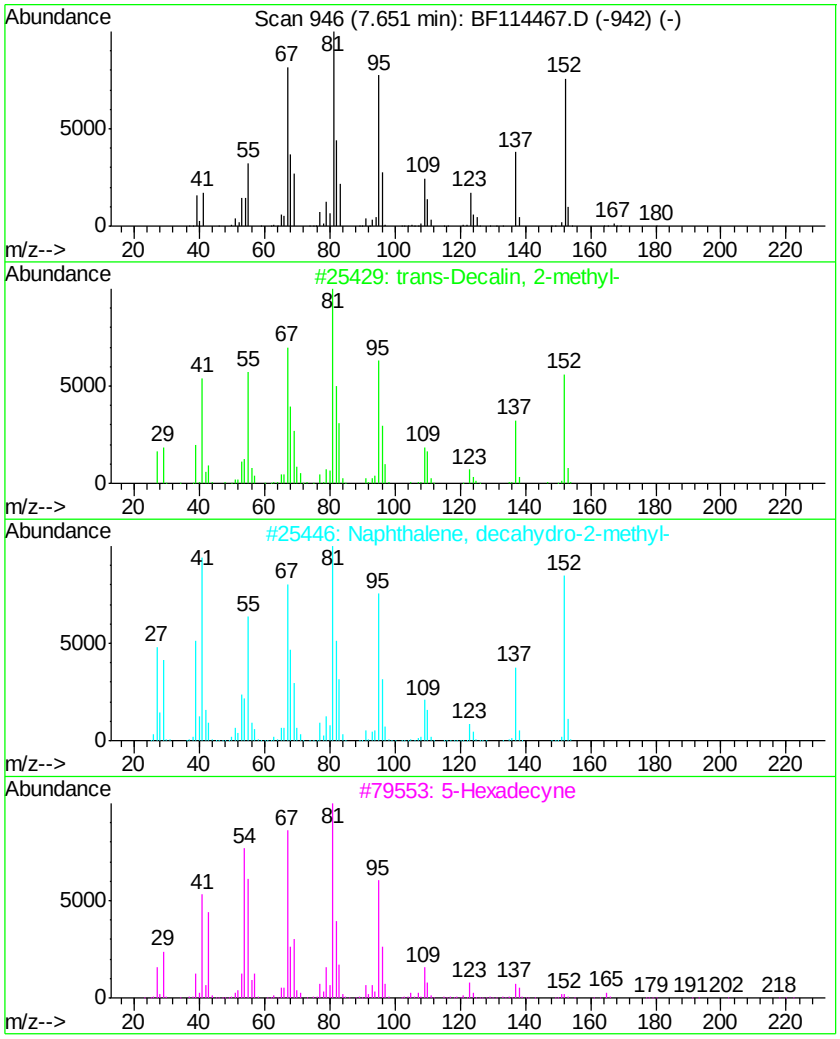
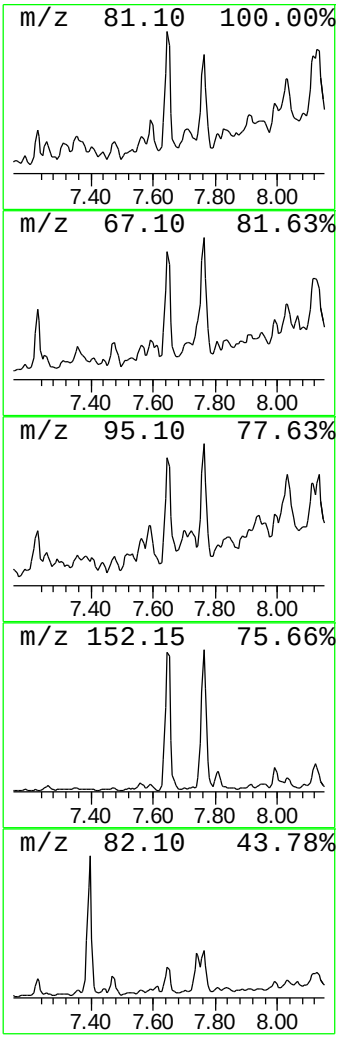
Peak Number 13 trans-Decalin, 2-methyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.65	16.93 ng	4702050	Naphthalene-d8	8.12

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	trans-Decalin, 2-methyl-	152	C11H20	1000152-47-3	93
2	Naphthalene, decahydro-2-methyl-	152	C11H20	002958-76-1	92
3	5-Hexadecyne	222	C16H30	071899-37-1	80
4	Camphor	152	C10H16O	000076-22-2	72
5	Pulegone	152	C10H16O	000089-82-7	70





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Operator : JU/SJ
Sample : K2913-03
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TP-17-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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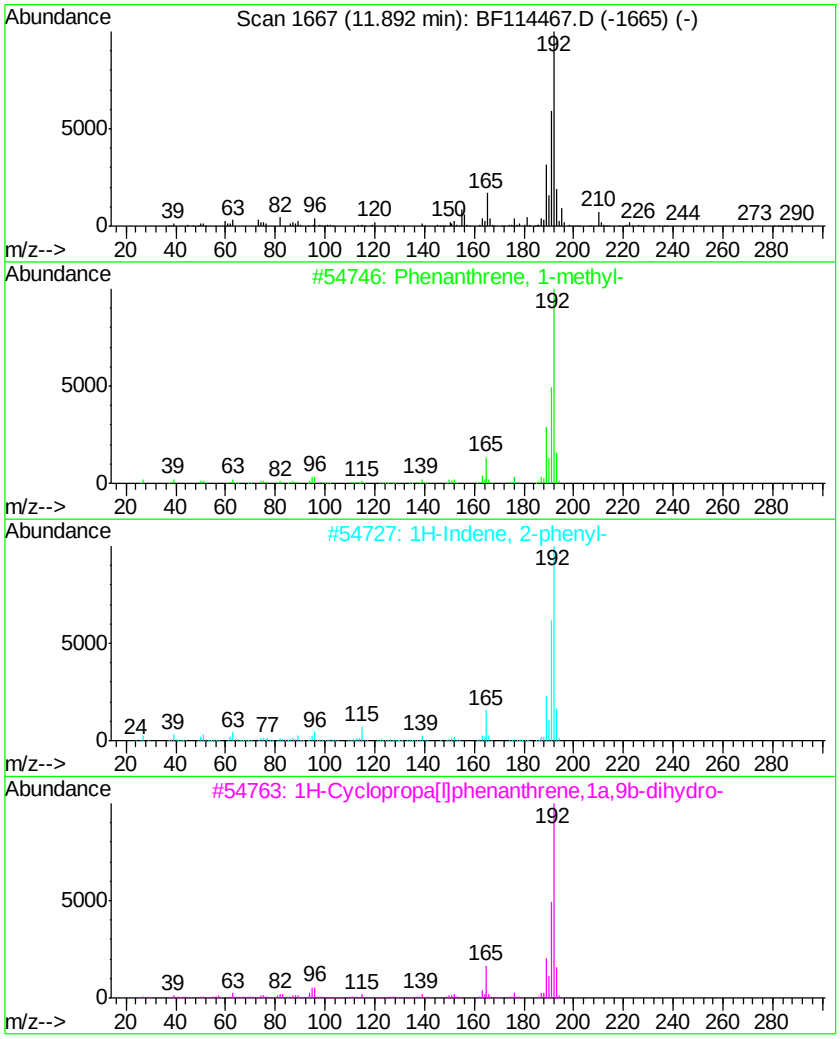
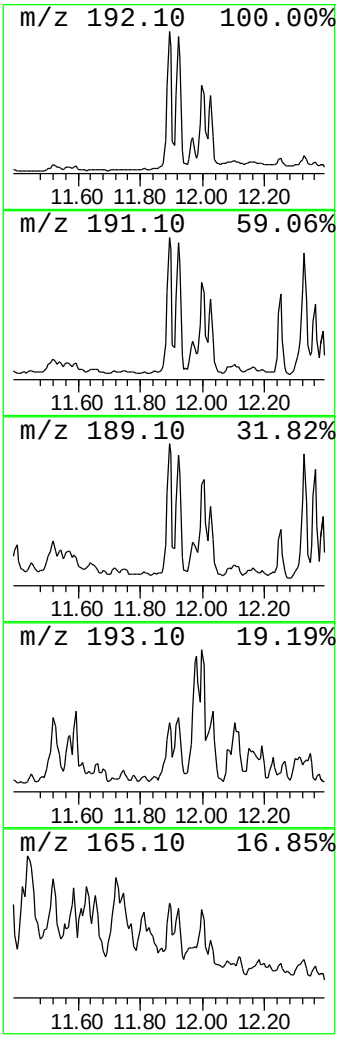
Peak Number 14 Phenanthrene, 1-methyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.89	20.00 ng	1497230	Phenanthrene-d10	11.40

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	96
2	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	94
3	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	93
4	Anthracene, 1-methyl-	192	C15H12	000610-48-0	90
5	Anthracene, 9-methyl-	192	C15H12	000779-02-2	90





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Sample : K2913-03
Misc :
ALS Vial : 20 Sample Multiplier: 1

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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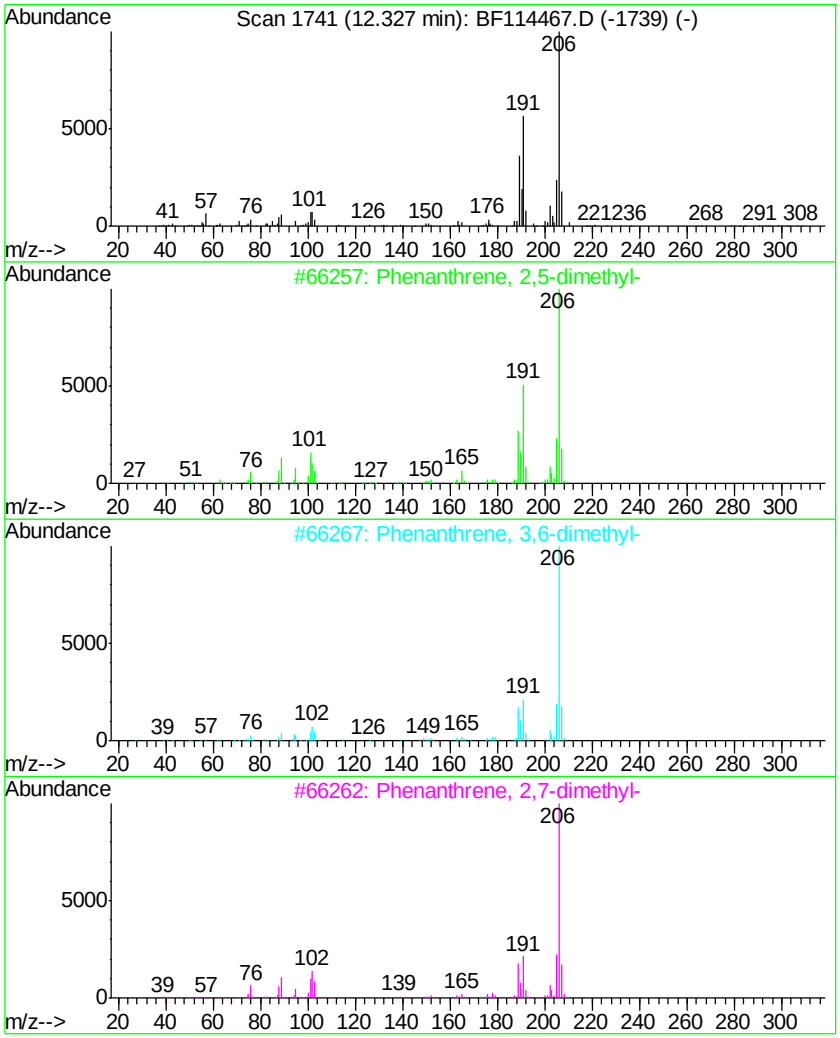
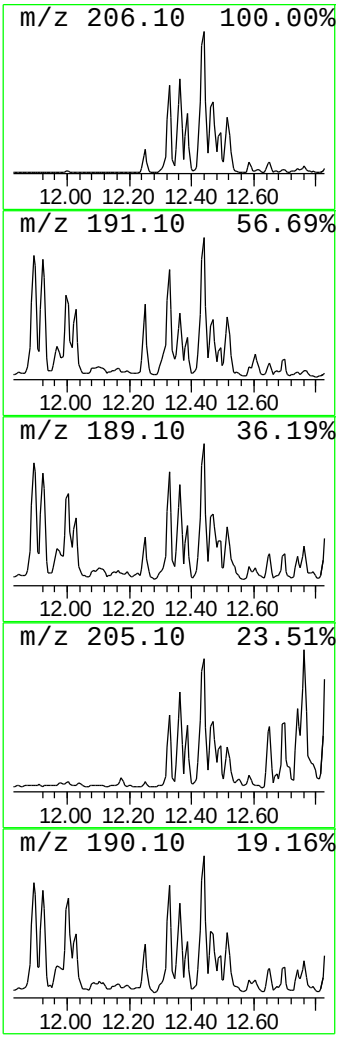
Peak Number 15 Phenanthrene, 2,5-dimethyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.33	23.95 ng	1792960	Phenanthrene-d10	11.40

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	94
2	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	94
3	Phenanthrene, 2,7-dimethyl-	206	C16H14	001576-69-8	91
4	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	87
5	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	87





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ClientSampleId : TP-17-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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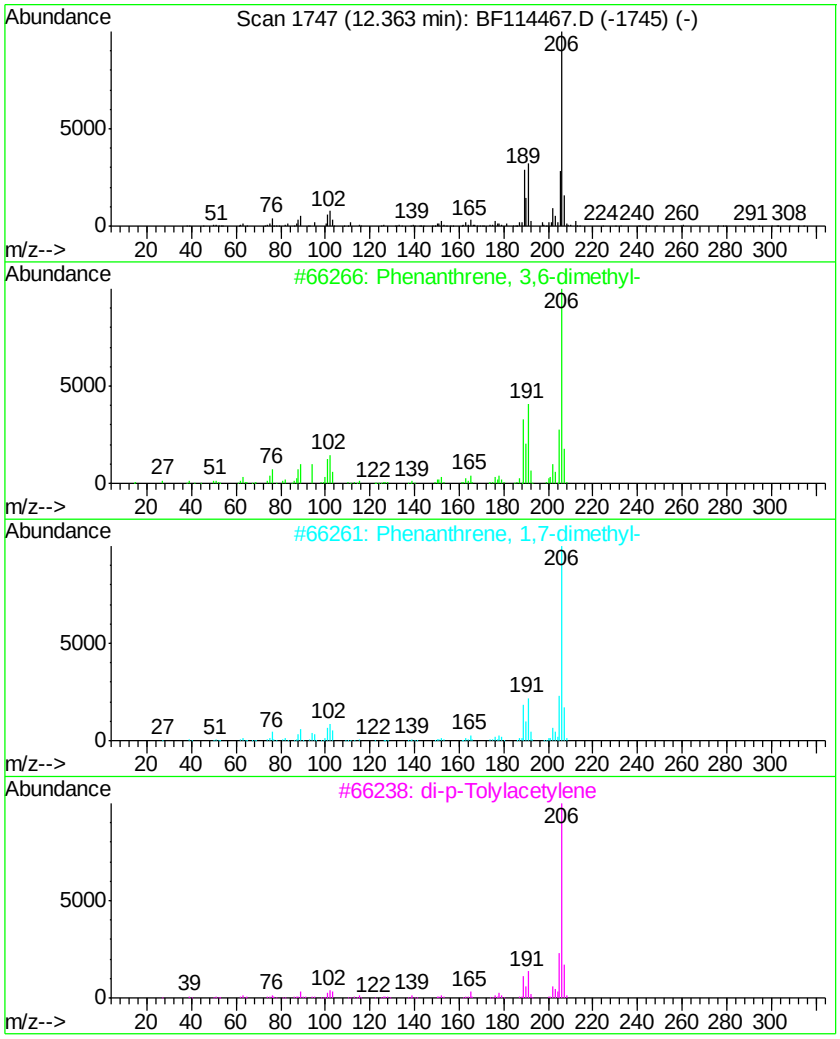
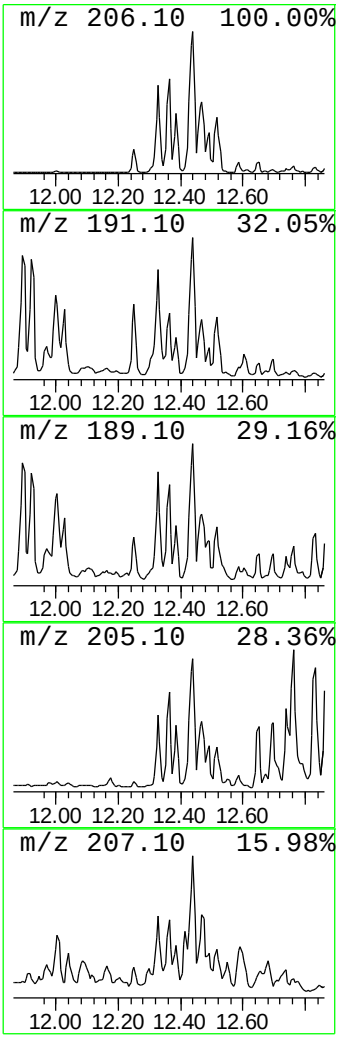
Peak Number 16 Phenanthrene, 3,6-dimethyl- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.36	15.82 ng	1184390	Phenanthrene-d10	11.40

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	93
2	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	93
3	di-p-Tolylacetylene	206	C16H14	002789-88-0	91
4	Phenanthrene, 2,7-dimethyl-	206	C16H14	001576-69-8	90
5	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	74





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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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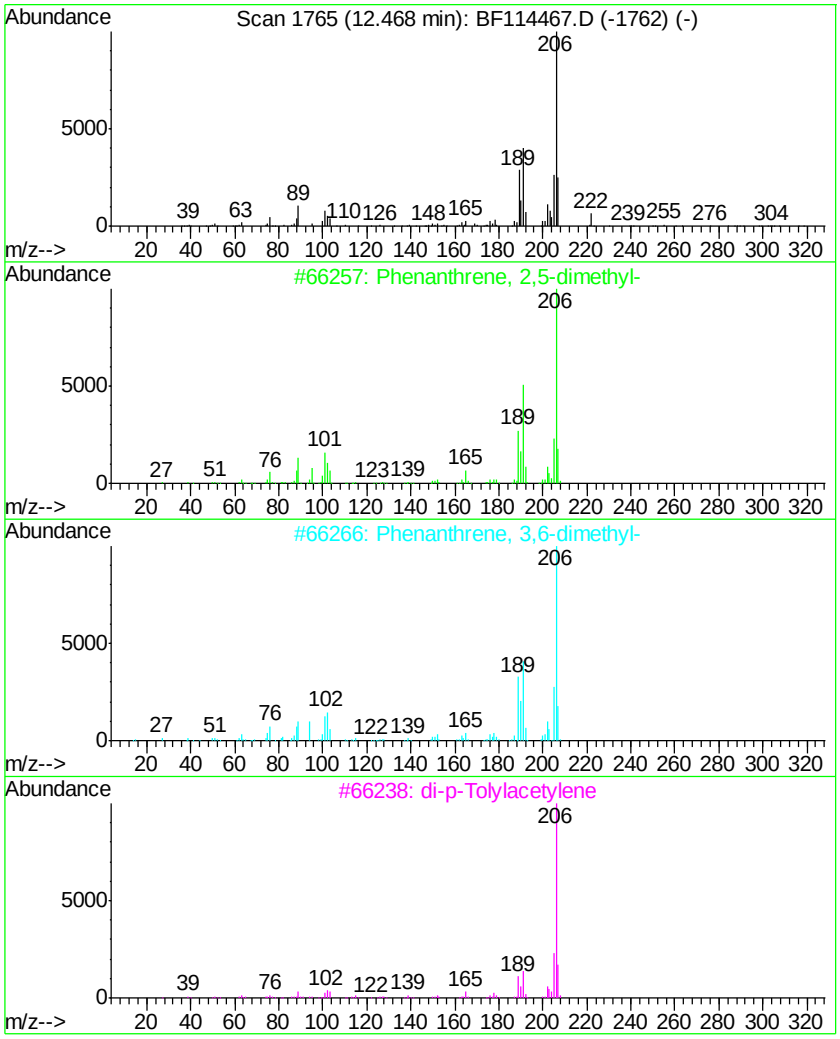
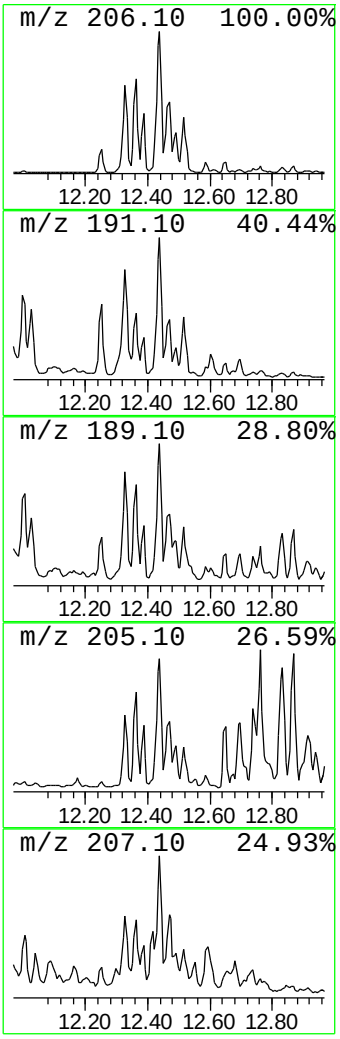
Peak Number 18 di-p-Tolylacetylene Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.47	19.75 ng	1478700	Phenanthrene-d10	11.40

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	93
2	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	91
3	di-p-Tolylacetylene	206	C16H14	002789-88-0	90
4	9,10-Dimethylanthracene	206	C16H14	000781-43-1	87
5	Anthracene, 1,4-dimethyl-	206	C16H14	000781-92-0	87





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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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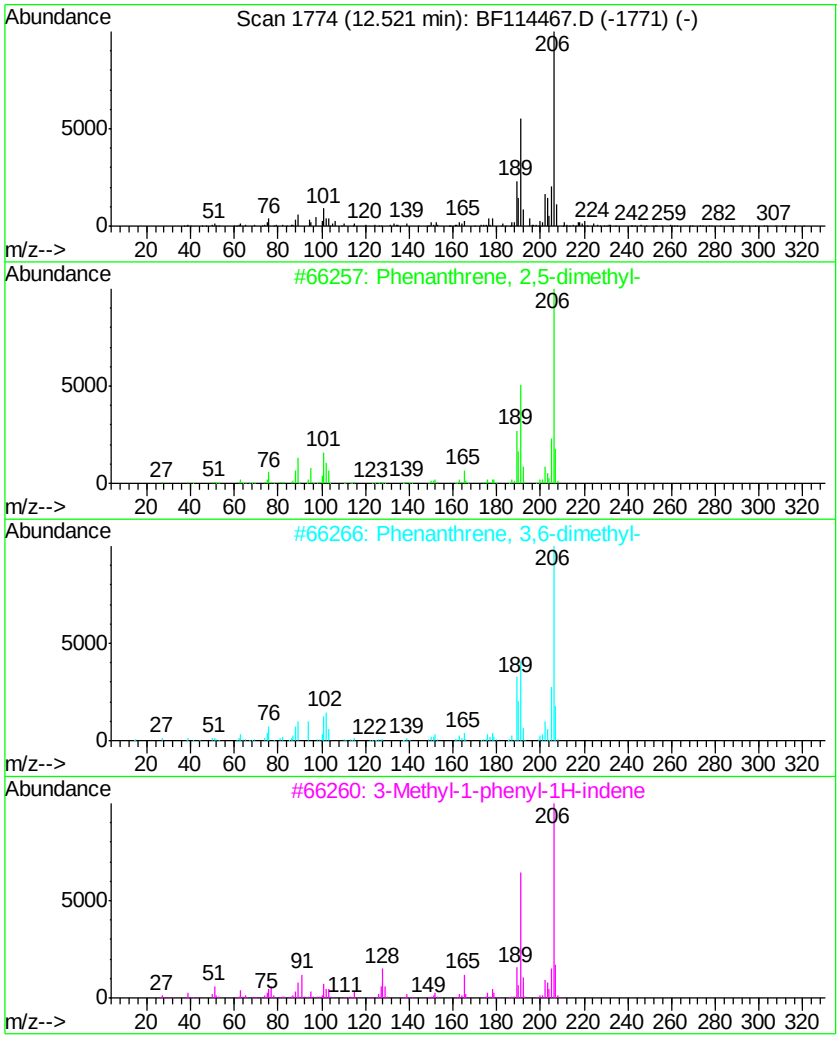
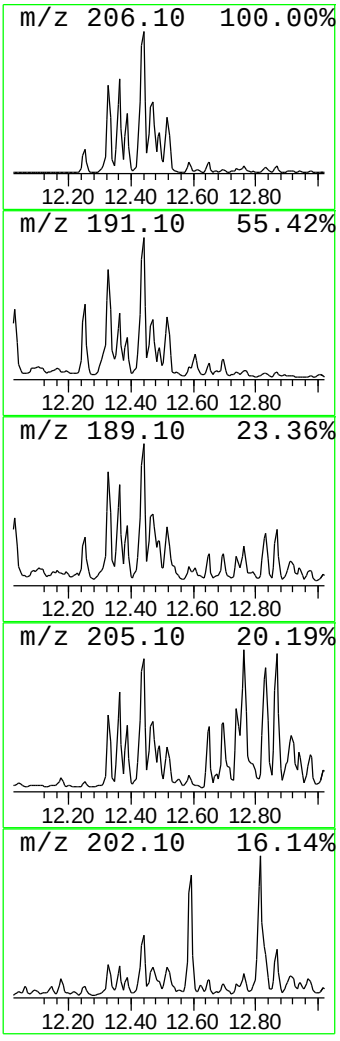
Peak Number 19 3-Methyl-1-phenyl-1H-indene Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.52	16.11 ng	1205700	Phenanthrene-d10	11.40

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	81
2	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	81
3	3-Methyl-1-phenyl-1H-indene	206	C16H14	022360-63-0	74
4	di-p-Tolylacetylene	206	C16H14	002789-88-0	74
5	Phenanthrene, 4,5-dimethyl-	206	C16H14	003674-69-9	74





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF052119\
Data File : BF114467.D
Acq On : 21 May 2019 20:16
Operator : JU/SJ
Sample : K2913-03
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TP-17-S

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

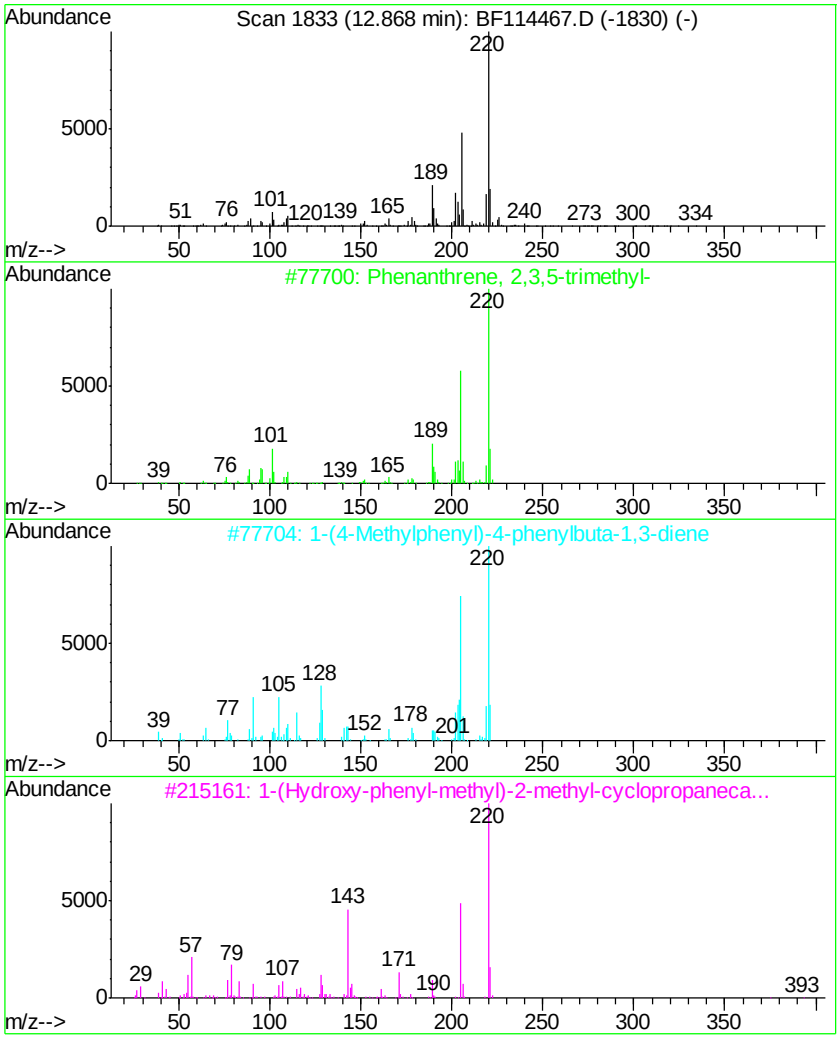
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

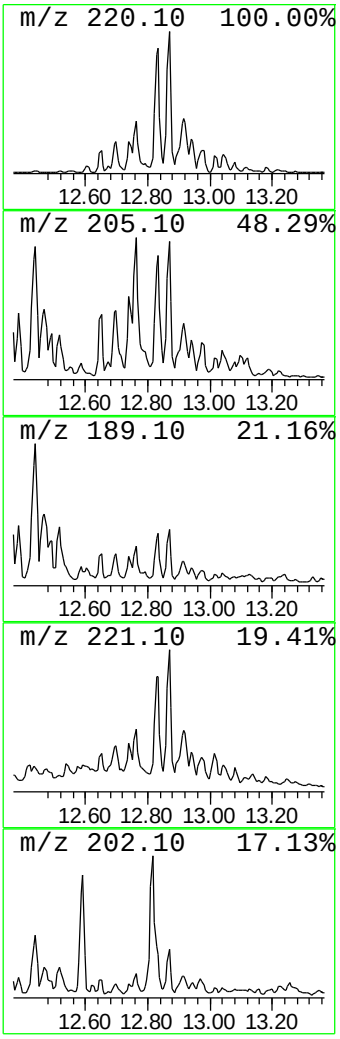
****

Peak Number 20 Phenanthrene, 2,3,5-trimethyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.87	25.96 ng	1962010	Chrysene-d12	14.00

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,3,5-trimethyl-	220	C17H16	003674-73-5	91
2	1-(4-Methylphenyl)-4-phenylbuta-...	220	C17H16	037985-11-8	83
3	1-(Hydroxy-phenyl-methyl)-2-meth...	408	C27H36O3	108546-86-7	59
4	Benzo[b]dihydropyran, 6-hydroxy-...	220	C14H20O2	050442-70-1	53
5	Phenmethylcynide, .alpha.,.alpha...	220	C11H12N2O3	1000128-94-6	53





Tentatively Identified Compound (LSC) summary

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF052119\
Data File : BF114467.D
Acq On : 21 May 2019 20:16
Operator : JU/SJ
Sample : K2913-03
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TP-17-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
unknown6.61	6.61	113.2	ng	7604330	1	6.83	1343990	20.0
Nonane, 5-(1-meth...	6.76	16.5	ng	1110930	1	6.83	1343990	20.0
Dodecane, 2,6,10-...	6.89	24.1	ng	1621430	1	6.83	1343990	20.0
unknown6.93	6.93	17.7	ng	1186690	1	6.83	1343990	20.0
Cyclohexane, 1,2-...	7.02	16.5	ng	1106760	1	6.83	1343990	20.0
5-Undecene	7.10	41.1	ng	2760220	1	6.83	1343990	20.0
unknown7.18	7.18	17.1	ng	1149720	1	6.83	1343990	20.0
Naphthalene, deca...	7.23	28.9	ng	1940630	1	6.83	1343990	20.0
Cyclopentane, hexyl-	7.26	27.6	ng	1852680	1	6.83	1343990	20.0
13-Tetradecen-1-o...	7.47	73.6	ng	4946010	1	6.83	1343990	20.0
unknown7.54	7.54	18.3	ng	5074300	2	8.12	5554310	20.0
trans-Decalin, 2-...	7.65	16.9	ng	4702050	2	8.12	5554310	20.0
Phenanthrene, 1-m...	11.89	20.0	ng	1497230	4	11.40	1497230	20.0
Phenanthrene, 2,5...	12.33	23.9	ng	1792960	4	11.40	1497230	20.0
Phenanthrene, 3,6...	12.36	15.8	ng	1184390	4	11.40	1497230	20.0
di-p-Tolylacetylene	12.47	19.8	ng	1478700	4	11.40	1497230	20.0
3-Methyl-1-phenyl...	12.52	16.1	ng	1205700	4	11.40	1497230	20.0
Phenanthrene, 2,3...	12.87	26.0	ng	1962010	5	14.00	1511440	20.0