LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF120817\
Data File : BF101249.D
Acq On : 8 Dec 2017 21:19
Operator : SJ/JU
Sample : I6790-01
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SOILWASTE-CHARACTERIZATION

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-BF113017.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	4.457	398	403	408	rBB3	62858	83602	1.69%	0.120%
2	5.022	495	499	506	rBV2	330088	474160	9.56%	0.682%
3	5.151	519	521	528	rVB2	63988	72594	1.46%	0.104%
4	5.228	528	534	538	rBV2	266972	350042	7.06%	0.504%
5	5.445	567	571	579	rVB	1110741	1120944	22.61%	1.613%
6	5.510	579	582	587	rBV	189999	218448	4.41%	0.314%
7	5.586	592	595	601	rVV3	237225	419274	8.46%	0.603%
8	5.633	601	603	606	rVV	188086	162336	3.27%	0.234%
9	5.675	606	610	612	rVV3	101064	145450	2.93%	0.209%
10	5.698	612	614	618	rVB	106645	104370	2.11%	0.150%
11	5.745	618	622	627	rBV	171090	196734	3.97%	0.283%
12	5.845	632	639	643	rBV4	627511	1051811	21.22%	1.513%
13	5.892	643	647	650	rBV3	188622	295493	5.96%	0.425%
14	5.980	658	662	666	rVB2	424329	567581	11.45%	0.817%
15	6.028	666	670	672	rBV2	230996	328072	6.62%	0.472%
16	6.075	674	678	681	rVV2	1029216	1526640	30.79%	2.196%
17	6.133	685	688	691	rVV	1071422	1213218	24.47%	1.745%
18	6.169	691	694	696	rVV3	338356	449374	9.06%	0.647%
19	6.192	696	698	701	rVB	280432	225994	4.56%	0.325%
20	6.263	705	710	714	rBV2	686931	1046269	21.10%	1.505%
21	6.304	714	717	719	rBV2	120227	113693	2.29%	0.164%
22	6.369	723	728	738	rBV3	1439592	3265337	65.86%	4.698%
23	6.469	738	745	748	rBV3	1113294	1770268	35.71%	2.547%
24	6.504	748	751	753	rVV	505876	536252	10.82%	0.772%
25	6.527	753	755	758	rVB	214182	189762	3.83%	0.273%
26	6.604	758	768	776	rVB4	1415298	3448277	69.55%	4.961%
27	6.686	776	782	786	rBV4	635689	1132230	22.84%	1.629%
28	6.851	798	810	815	rBV5	1393267	4098440	82.67%	5.896%
29	6.986	830	833	844	rVB6	1431788	3816325	76.98%	5.491%
30	7.075	844	848	849	rBV3	337800	464471	9.37%	0.668%
31	7.116	851	855	863	rVB2	1342638	3046581	61.45%	4.383%
32	7.192	864	868	869	rBV3	461356	607273	12.25%	0.874%
33	7.245	872	877	878	rBV2	1212800	1769941	35.70%	2.546%
34	7.386	895	901	909	rBV7	1502636	4957851	100.00%	7.133%

LSC Area Percent Report

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Data File : BF101249.D
Acq On : 8 Dec 2017 21:19
Operator : SJ/JU
Sample : I6790-01
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SOILWASTE-CHARACTERIZATION

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-BF113017.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	7.498	915	920	925	rBV6	1062752	2043317	41.21%	2.940%
36	9.645	1280	1285	1287	rVB3	2514498	4005375	80.79%	5.763%
37	10.086	1358	1360	1362	rBV	617167	473093	9.54%	0.681%
38	10.151	1368	1371	1380	rVB4	1563237	2650480	53.46%	3.813%
39	10.227	1380	1384	1386	rVV	1009436	1374987	27.73%	1.978%
40	10.257	1386	1389	1393	rVB3	963001	1230608	24.82%	1.770%
41	10.439	1418	1420	1423	rBV3	384958	300982	6.07%	0.433%
42	10.533	1431	1436	1438	rBV	1962792	2216937	44.72%	3.190%
43	10.680	1459	1461	1464	rBV3	605873	692508	13.97%	0.996%
44	10.798	1476	1481	1487	rVB	2790786	3725646	75.15%	5.360%
45	11.015	1516	1518	1522	rVB3	330693	269795	5.44%	0.388%
46	11.098	1529	1532	1533	rBV2	188905	195575	3.94%	0.281%
47	11.251	1554	1558	1564	rVB2	1113328	1499101	30.24%	2.157%
48	11.368	1576	1578	1580	rVB	202780	146312	2.95%	0.210%
49	11.398	1580	1583	1585	rVB	737391	641987	12.95%	0.924%
50	11.445	1589	1591	1593	rBV	159728	128027	2.58%	0.184%
51	11.592	1613	1616	1627	rVB5	415834	640049	12.91%	0.921%
52	11.868	1660	1663	1665	rBV	213492	251062	5.06%	0.361%
53	11.898	1665	1668	1671	rVB	325357	323613	6.53%	0.466%
54	11.974	1679	1681	1684	rVB2	211292	186735	3.77%	0.269%
55	12.157	1710	1712	1714	rBV	114293	96297	1.94%	0.139%
56	12.304	1734	1737	1739	rBV3	177355	164646	3.32%	0.237%
57	12.339	1741	1743	1745	rVB	153439	119883	2.42%	0.172%
58	12.362	1745	1747	1749	rVB2	86766	69582	1.40%	0.100%
59	12.415	1753	1756	1759	rBV	266425	259640	5.24%	0.374%
60	12.539	1774	1777	1780	rVB2	105213	116131	2.34%	0.167%
61	12.580	1780	1784	1787	rBV	900783	865099	17.45%	1.245%
62	12.609	1787	1789	1792	rVB2	226339	196110	3.96%	0.282%
63	12.757	1812	1814	1817	rVB2	82757	66087	1.33%	0.095%
64	12.815	1817	1824	1828	rVV	833553	1076474	21.71%	1.549%
65	12.856	1828	1831	1835	rVB2	145937	158188	3.19%	0.228%
66	12.945	1842	1846	1848	rVV	884860	773495	15.60%	1.113%
67	12.968	1848	1850	1853	rVB3	75641	71604	1.44%	0.103%
68	13.133	1876	1878	1881	rVB	156605	135828	2.74%	0.195%
69	13.198	1887	1889	1892	rVB	145099	123945	2.50%	0.178%
70	13.239	1892	1896	1899	rBV2	107952	136778	2.76%	0.197%
71	13.362	1914	1917	1924	rBV4	93291	129580	2.61%	0.186%

LSC Area Percent Report

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Operator : SJ/JU
Sample : I6790-01
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SOILWASTE-CHARACTERIZATION

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

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Peak separation: 5

Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF113017.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

72	13.827	1994	1996	1999	rVB3	119577	108574	2.19%	0.156%
73	13.998	2021	2025	2029	rBV2	457267	685839	13.83%	0.987%
74	14.033	2029	2031	2038	rVB	399354	341687	6.89%	0.492%
75	15.050	2200	2204	2207	rBV	221659	339047	6.84%	0.488%
76	15.350	2252	2255	2261	rVB	149124	192523	3.88%	0.277%
77	15.415	2262	2266	2270	rVV	222650	277912	5.61%	0.400%
78	15.480	2273	2277	2280	rVV	195141	254741	5.14%	0.366%
79	15.509	2280	2282	2289	rVB2	71611	96612	1.95%	0.139%
80	16.956	2523	2528	2536	rVB	86140	169282	3.41%	0.244%
81	17.403	2599	2604	2612	rBV	60911	123011	2.48%	0.177%
82	17.656	2642	2647	2658	rVB7	32895	93067	1.88%	0.134%

Sum of corrected areas: 69506958

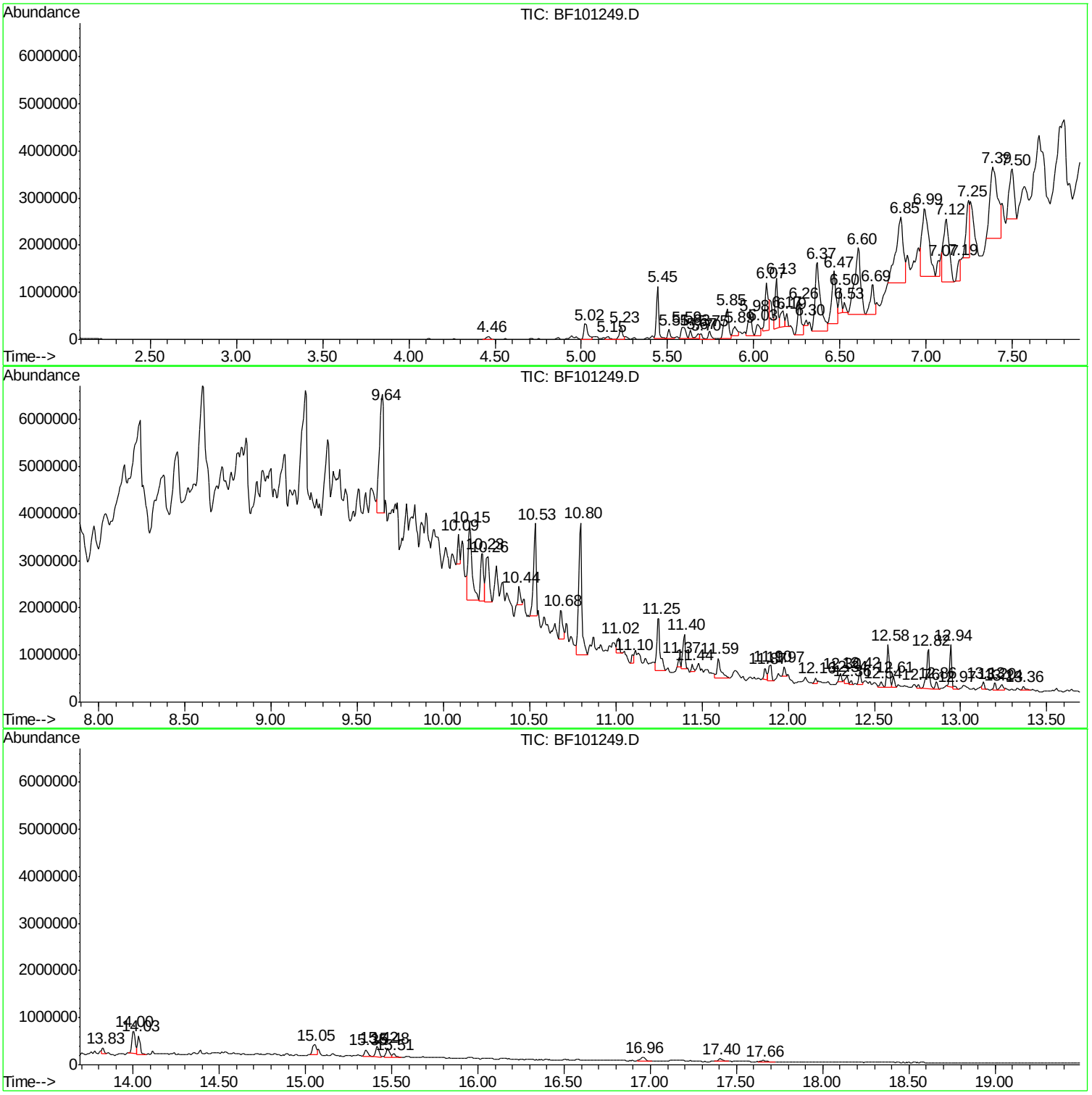
LSC Report - Integrated Chromatogram

Data Path : Z:\HPCHEM1\BNA F\DATA\BF120817\
Data File : BF101249.D
Acq On : 8 Dec 2017 21:19
Operator : SJ/JU
Sample : I6790-01
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SOILWASTE-CHARACTERIZATION

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF113017.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



Data Path : Z:\HPCHEM1\BNA F\DATA\BF120817\
Data File : BF101249.D
Acq On : 8 Dec 2017 21:19
Operator : SJ/JU
Sample : I6790-01
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SOILWASTE-CHARACTERIZATION

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF113017.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

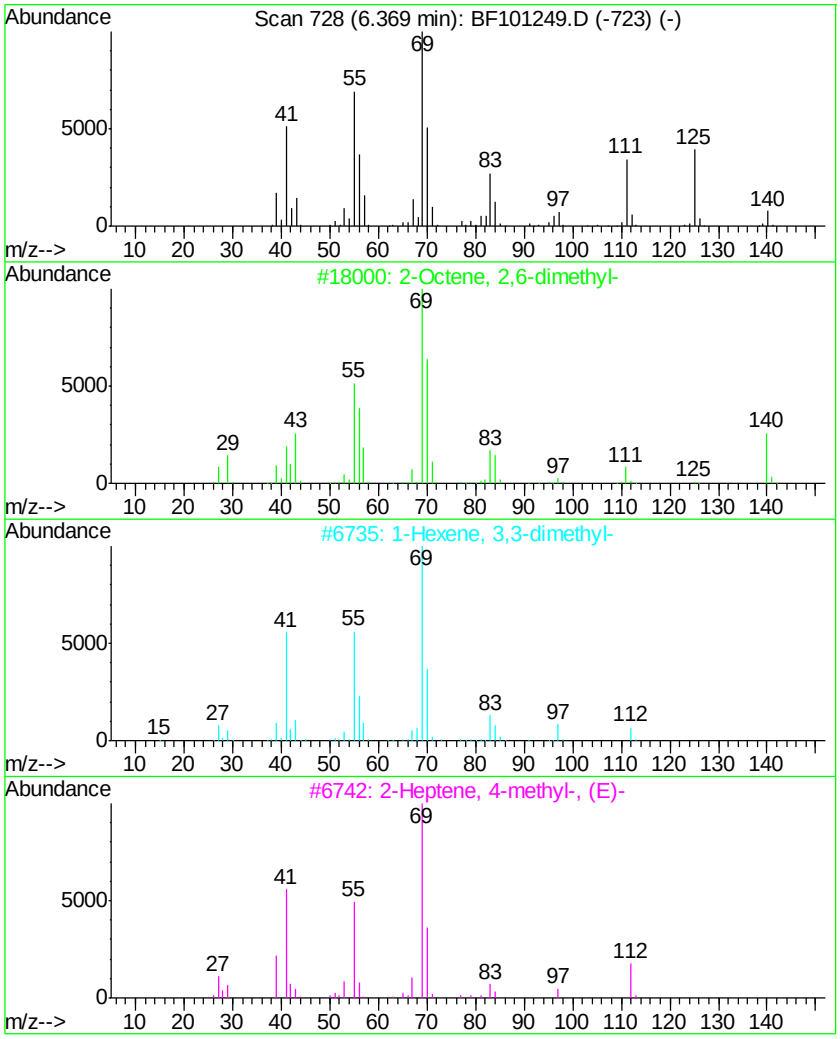
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

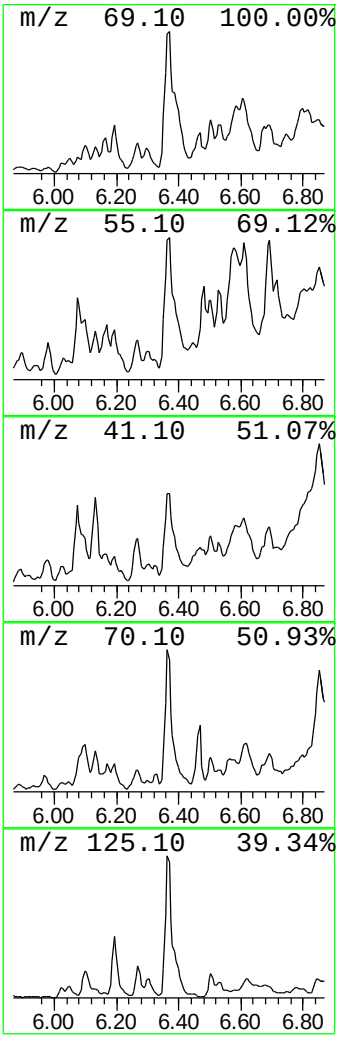
****

Peak Number 1 2-Octene, 2,6-dimethyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.37	15.93 ng	3265340	1,4-Dichlorobenzene-d4	6.83

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Octene, 2,6-dimethyl-	140	C10H20	004057-42-5	52
2	1-Hexene, 3,3-dimethyl-	112	C8H16	003404-77-1	49
3	2-Heptene, 4-methyl-, (E)-	112	C8H16	066225-17-0	43
4	Cyclohexane, 1,1,2,3-tetramethyl-	140	C10H20	006783-92-2	43
5	3-Ethyl-4-octene	140	C10H20	019781-32-9	38





Data Path : Z:\HPCHEM1\BNA F\DATA\BF120817\
Data File : BF101249.D
Acq On : 8 Dec 2017 21:19
Operator : SJ/JU
Sample : I6790-01
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SOILWASTE-CHARACTERIZATION

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF113017.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

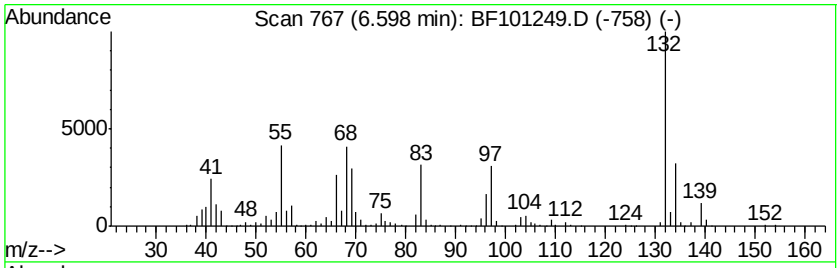
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

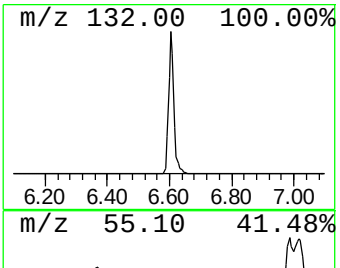
****

Peak Number 2 unknown6.60 Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.60	16.83 ng	3448280	1,4-Dichlorobenzene-d4	6.83

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	(E)-3-Chloro-2-methyl-2-pentenal	132	C6H9ClO	031357-76-3	35
2	5-Fluoro-2-chloropyrimidine	132	C4H2ClFN2	062802-42-0	27
3	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	27
4	Xenon	132	Xe	007440-63-3	16
5	1,3,5-Trifluorobenzene	132	C6H3F3	000372-38-3	9





Data Path : Z:\HPCHEM1\BNA F\DATA\BF120817\
Data File : BF101249.D
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Sample : I6790-01
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SOILWASTE-CHARACTERIZATION

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF113017.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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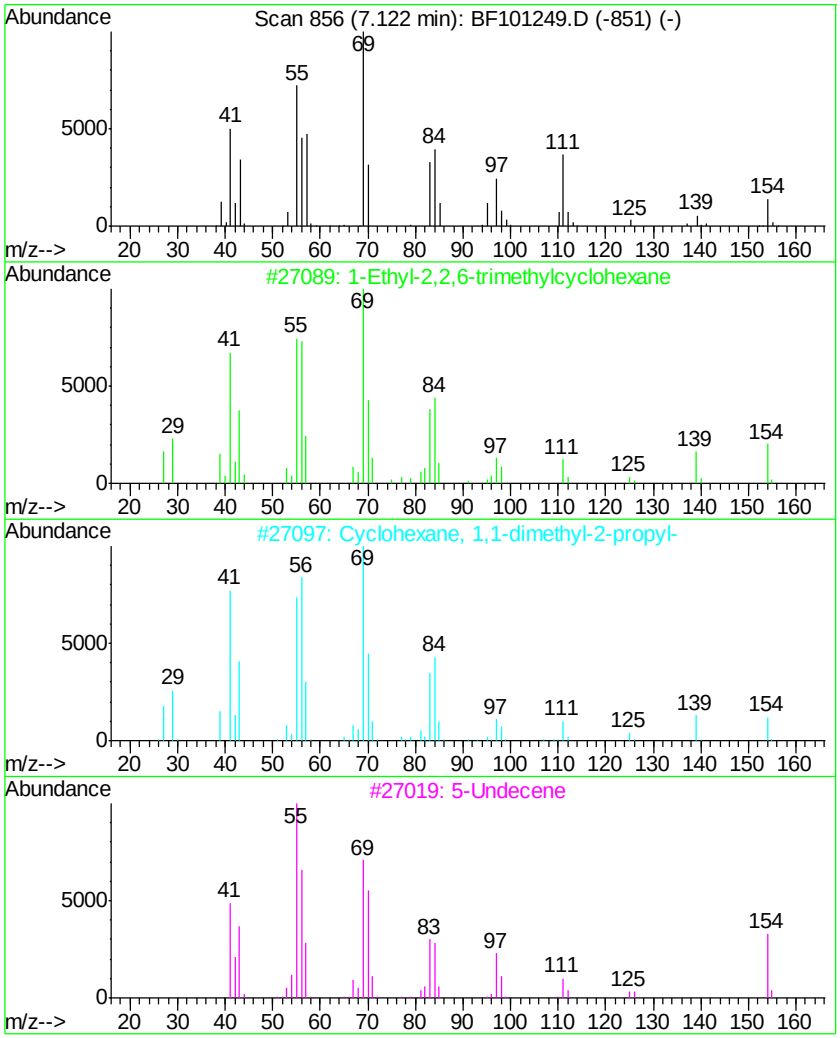
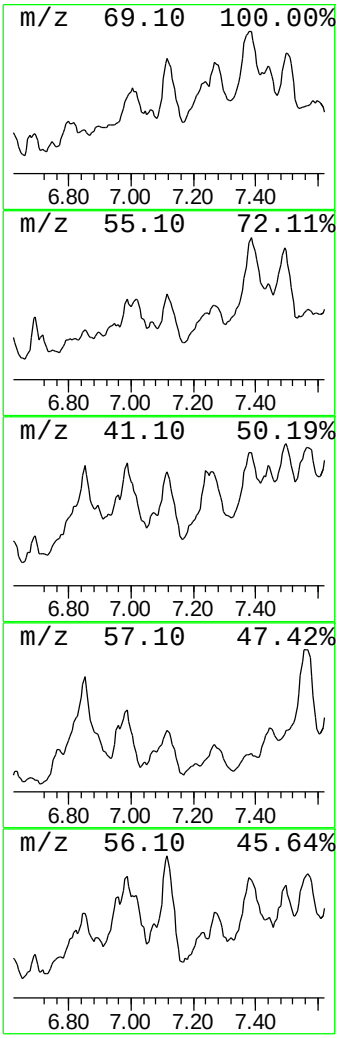
Peak Number 4 1-Ethyl-2,2,6-trimethylcycl... Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.12	14.87 ng	3046580	1,4-Dichlorobenzene-d4	6.83

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Ethyl-2,2,6-trimethylcyclohexane	154	C11H22	071186-27-1	83
2	Cyclohexane, 1,1-dimethyl-2-propyl-	154	C11H22	081983-71-3	83
3	5-Undecene	154	C11H22	004941-53-1	80
4	Cyclopropane, 1,2-dibutyl-	154	C11H22	041977-32-6	49
5	4-Octene, 2,3,7-trimethyl-, [S-(...	154	C11H22	052763-13-0	46





Data Path : Z:\HPCHEM1\BNA F\DATA\BF120817\
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Instrument : BNA_F
ClientSampleId : SOILWASTE-CHARACTERIZATION

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF113017.M
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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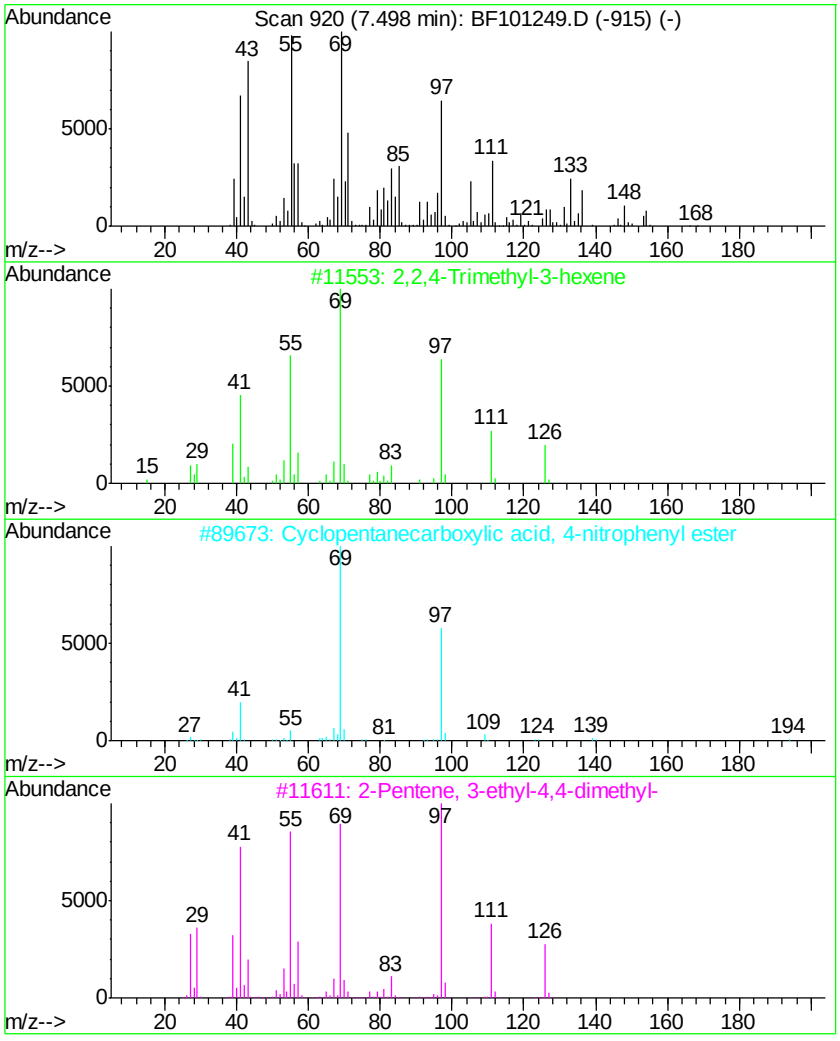
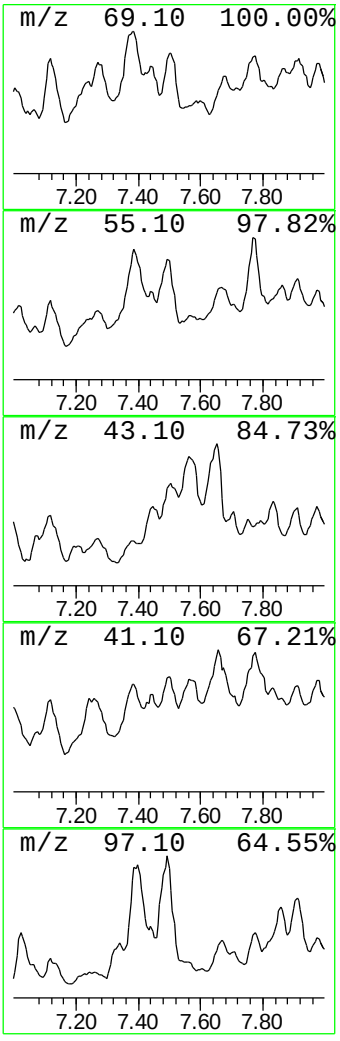
Peak Number 5 unknown7.50 Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.50	20.00 ng	2043320	Naphthalene-d8	8.15

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2,2,4-Trimethyl-3-hexene	126	C9H18	059643-72-0	38
2	Cyclopentanecarboxylic acid, 4-n...	235	C12H13NO4	1000307-58-0	35
3	2-Pentene, 3-ethyl-4,4-dimethyl-	126	C9H18	053907-59-8	35
4	Cyclopentanecarboxylic acid, all...	154	C9H14O2	178905-33-4	35
5	Cyclohexane, 1,2,4-trimethyl-	126	C9H18	002234-75-5	25





Data Path : Z:\HPCHEM1\BNA F\DATA\BF120817\
Data File : BF101249.D
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Operator : SJ/JU
Sample : I6790-01
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SOILWASTE-CHARACTERIZATION

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF113017.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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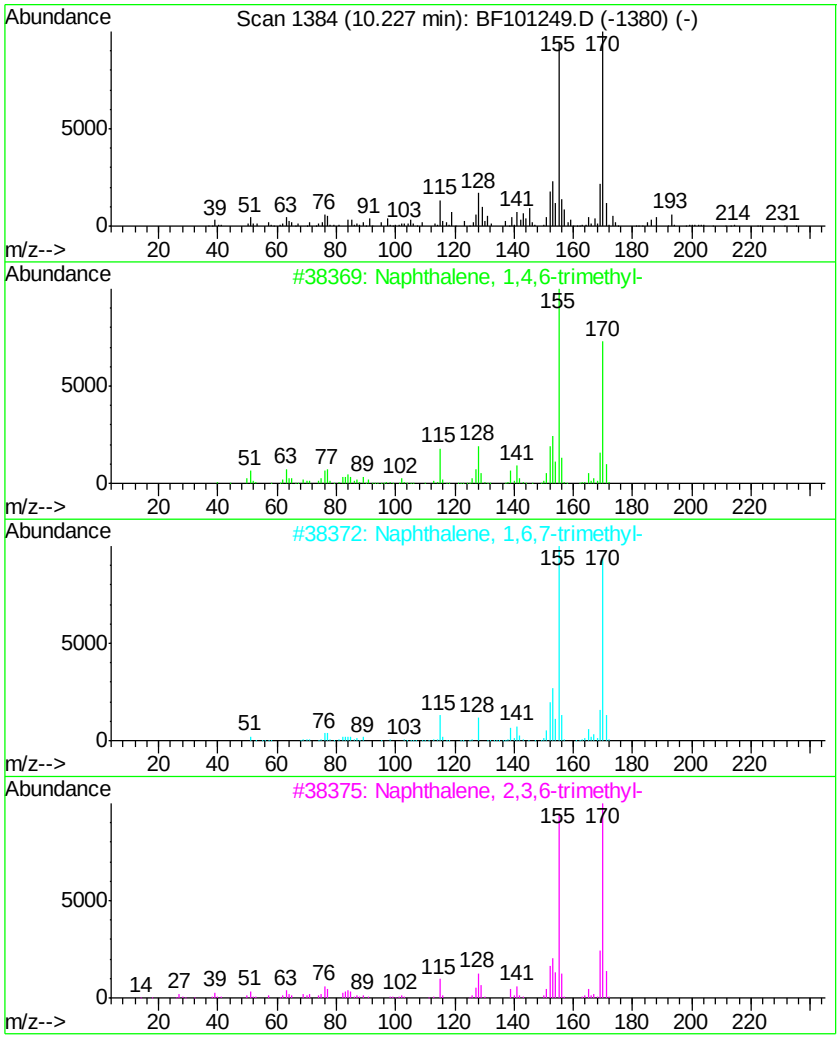
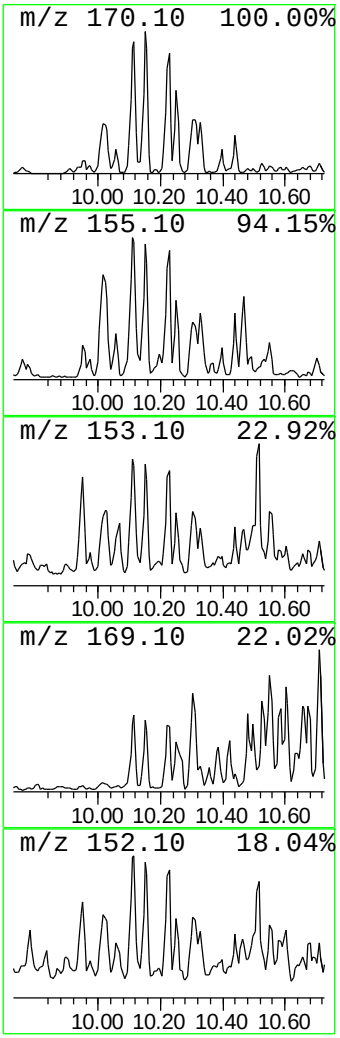
Peak Number 6 Naphthalene, 1,4,6-trimethyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.23	58.13 ng	1374990	Acenaphthene-d10	9.92

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,4,6-trimethyl-	170	C13H14	002131-42-2	97
2	Naphthalene, 1,6,7-trimethyl-	170	C13H14	002245-38-7	97
3	Naphthalene, 2,3,6-trimethyl-	170	C13H14	000829-26-5	97
4	4,6,8-Trimethylazulene	170	C13H14	000941-81-1	93
5	3-(2-Methyl-propenyl)-1H-indene	170	C13H14	1000187-78-5	91





Data Path : Z:\HPCHEM1\BNA F\DATA\BF120817\
Data File : BF101249.D
Acq On : 8 Dec 2017 21:19
Operator : SJ/JU
Sample : I6790-01
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SOILWASTE-CHARACTERIZATION

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF113017.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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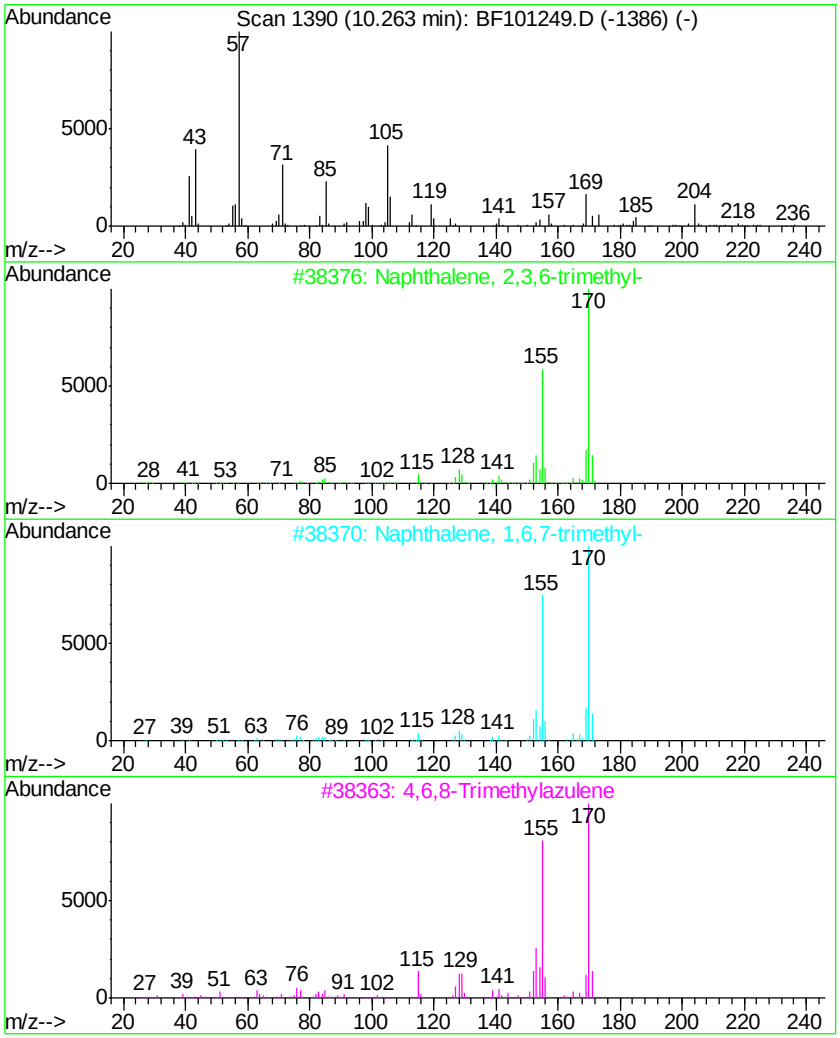
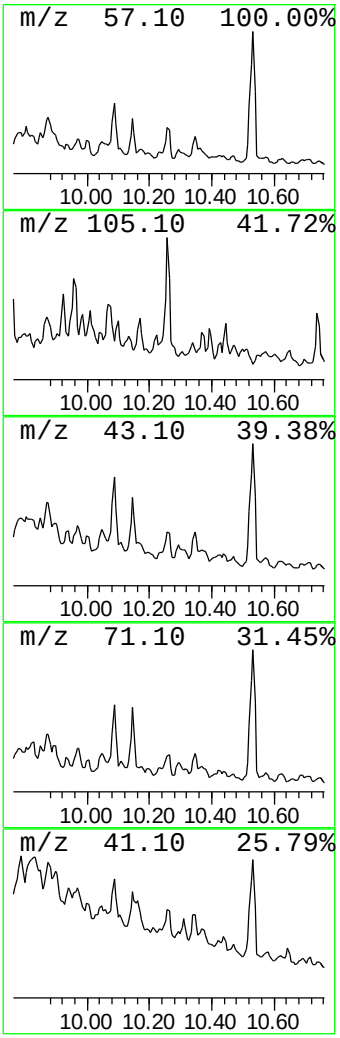
Peak Number 7 Naphthalene, 2,3,6-trimethyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.26	52.02 ng	1230610	Acenaphthene-d10	9.92

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,3,6-trimethyl-	170	C13H14	000829-26-5	64
2	Naphthalene, 1,6,7-trimethyl-	170	C13H14	002245-38-7	52
3	4,6,8-Trimethylazulene	170	C13H14	000941-81-1	49
4	1H,3H-Thieno[3,4-c]thiophene, 4,...	170	C8H10S2	015441-54-0	47
5	Naphthalene, 1,4,6-trimethyl-	170	C13H14	002131-42-2	47





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Operator : SJ/JU
Sample : I6790-01
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SOILWASTE-CHARACTERIZATION

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF113017.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

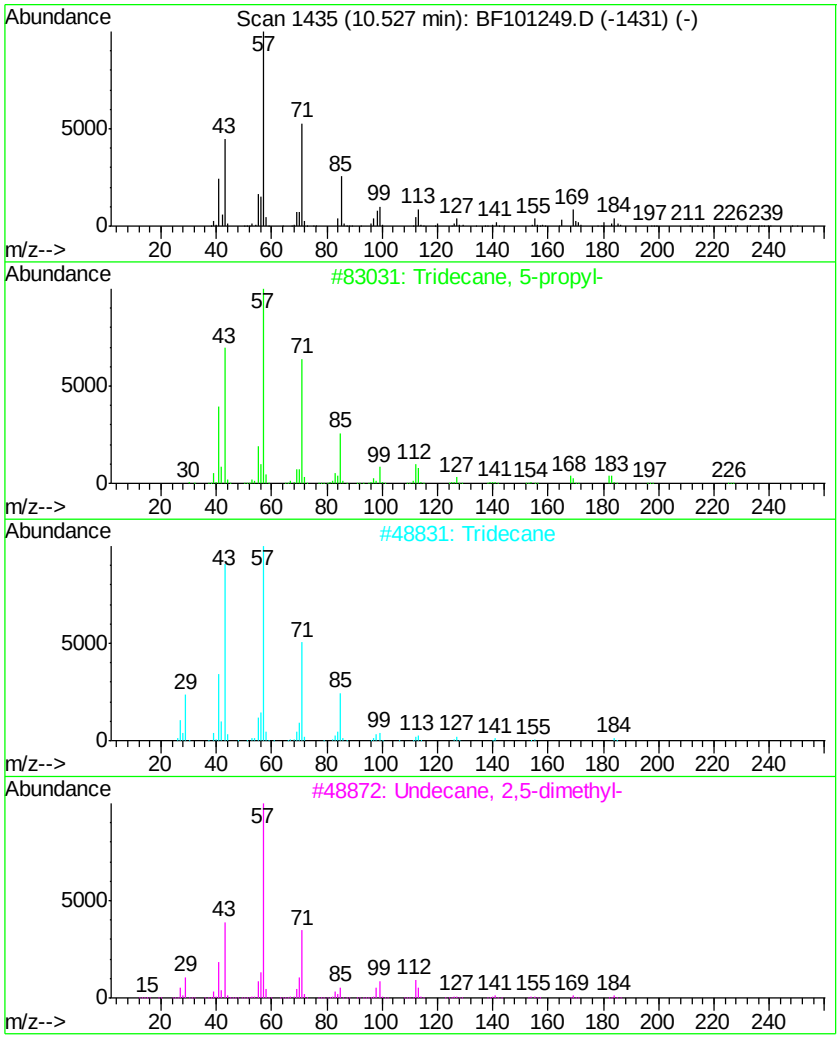
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

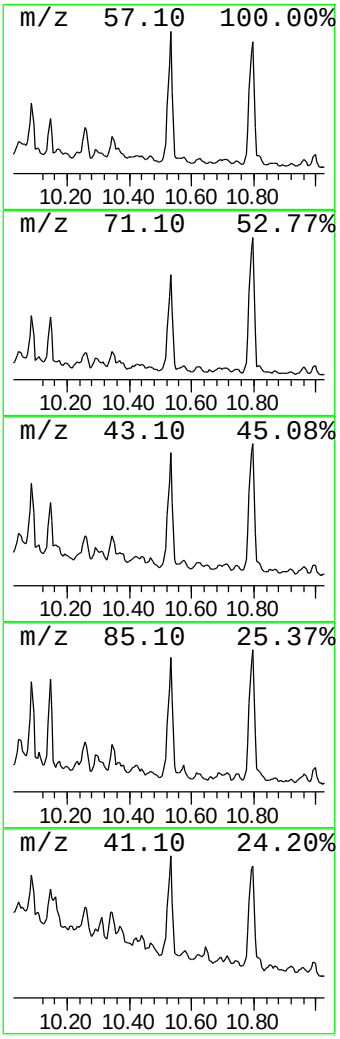
****

Peak Number 8 Tridecane, 5-propyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.53	93.72 ng	2216940	Acenaphthene-d10	9.92

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tridecane, 5-propyl-	226	C16H34	055045-11-9	83
2	Tridecane	184	C13H28	000629-50-5	80
3	Undecane, 2,5-dimethyl-	184	C13H28	017301-22-3	76
4	Decane, 3,6-dimethyl-	170	C12H26	017312-53-7	76
5	Undecane, 3,6-dimethyl-	184	C13H28	017301-28-9	72





Library Search Compound Report

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Sample : I6790-01
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ALS Vial : 16 Sample Multiplier: 1

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ClientSampleId : SOILWASTE-CHARACTERIZATION

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

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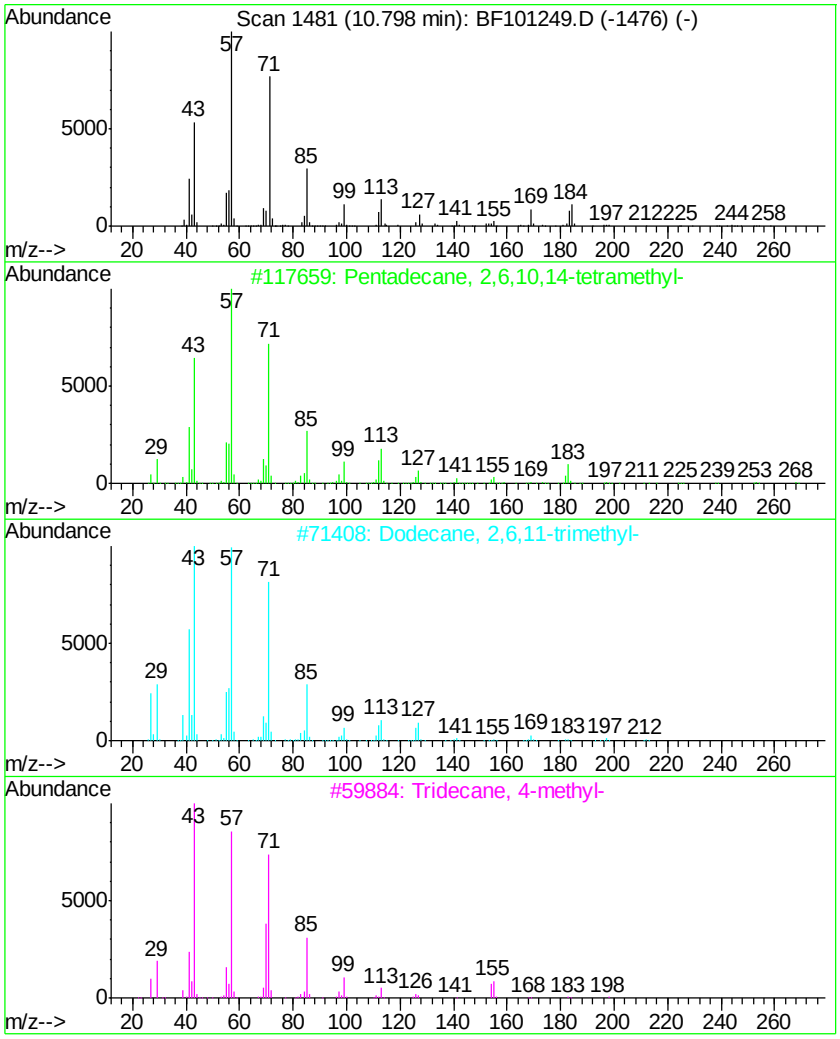
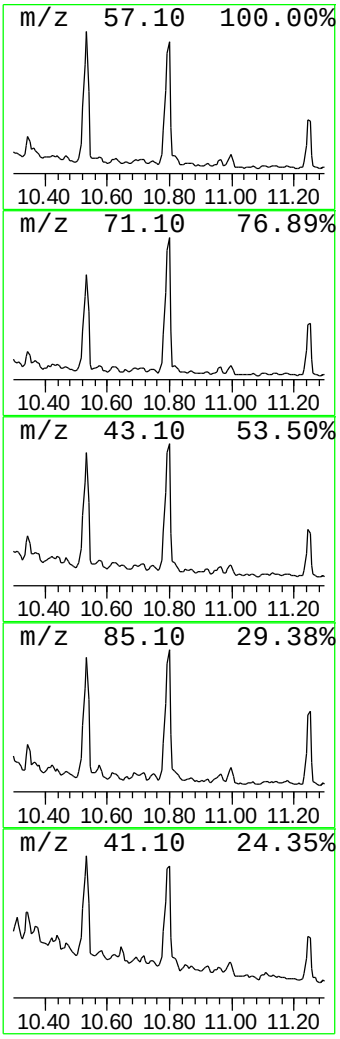
Peak Number 9 Pentadecane, 2,6,10,14-tetr... Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.80	509.27 ng	3725650	Phenanthrene-d10	11.37

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentadecane, 2,6,10,14-tetramethyl-	268	C19H40	001921-70-6	86
2	Dodecane, 2,6,11-trimethyl-	212	C15H32	031295-56-4	76
3	Tridecane, 4-methyl-	198	C14H30	026730-12-1	74
4	Dodecane, 4,6-dimethyl-	198	C14H30	061141-72-8	64
5	Nonane, 3,7-dimethyl-	156	C11H24	017302-32-8	58





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ClientSampleId : SOILWASTE-CHARACTERIZATION

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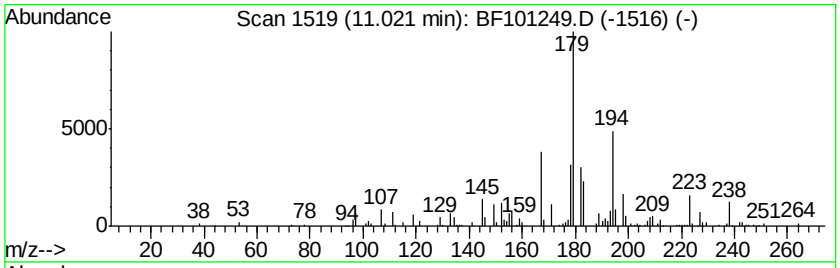
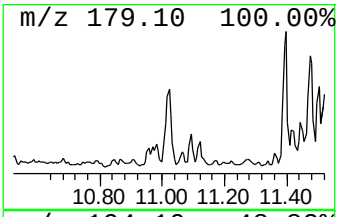
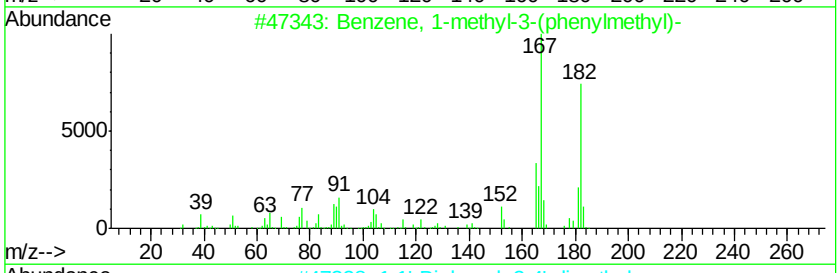
Peak Number 10 Benzene, 1-methyl-3-(phenyl... Concentration Rank 7

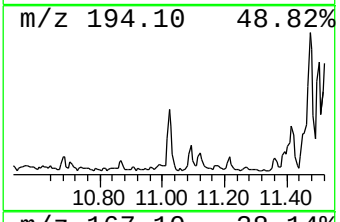
R.T.	EstConc	Area	Relative to ISTD	R.T.
11.02	36.88 ng	269795	Phenanthrene-d10	11.37

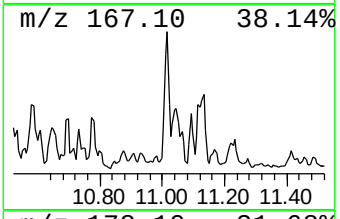
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-methyl-3-(phenylmethyl)-	182	C14H14	000620-47-3	55
2	1,1'-Biphenyl, 2,4'-dimethyl-	182	C14H14	000611-61-0	55
3	4,4'-Dimethylbiphenyl	182	C14H14	000613-33-2	53
4	3,3'-Dimethylbiphenyl	182	C14H14	000612-75-9	52
5	1,1'-Biphenyl, 2,3'-dimethyl-	182	C14H14	000611-43-8	49

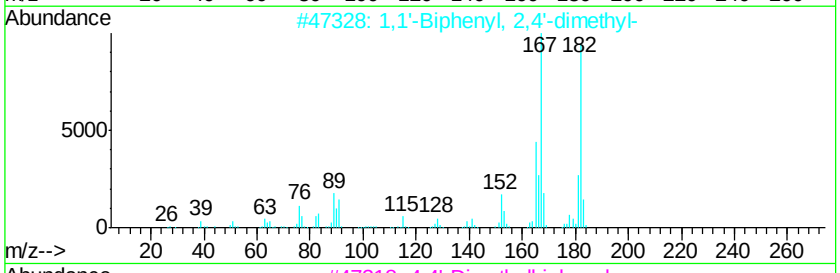


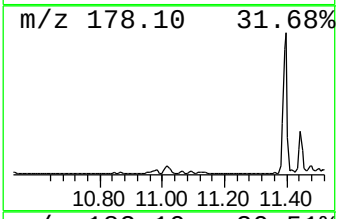


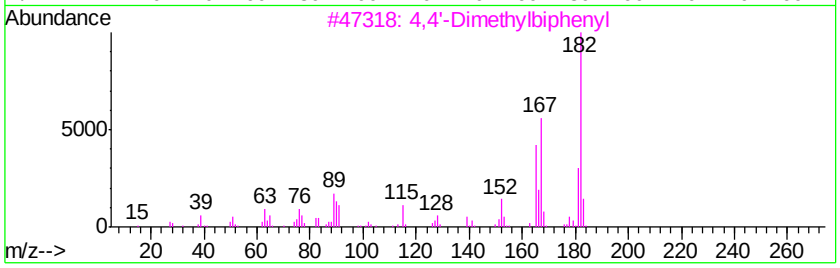


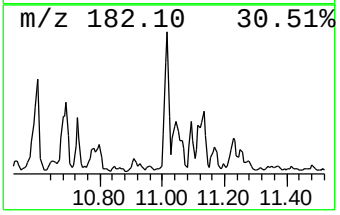












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Acq On : 8 Dec 2017 21:19
Operator : SJ/JU
Sample : I6790-01
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SOILWASTE-CHARACTERIZATION

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF113017.M
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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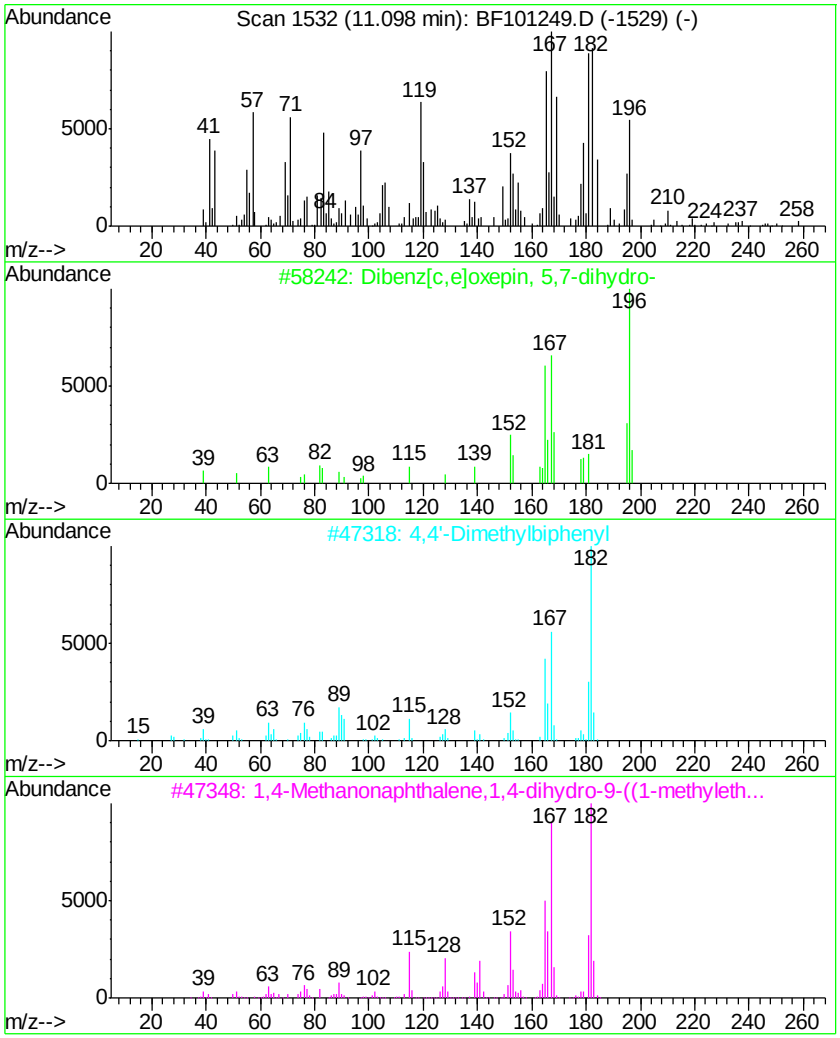
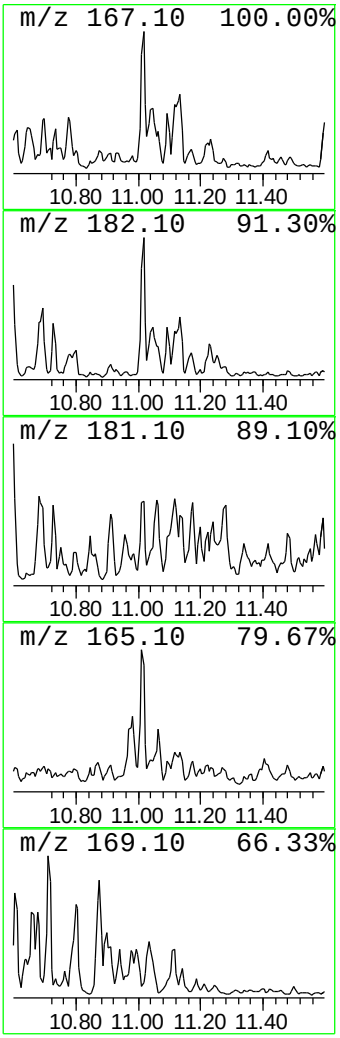
Peak Number 11 unknown11.10 Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.10	26.73 ng	195575	Phenanthrene-d10	11.37

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenz[c,e]oxepin, 5,7-dihydro-	196	C14H12O	001136-22-7	42
2	4,4'-Dimethylbiphenyl	182	C14H14	000613-33-2	41
3	1,4-Methanonaphthalene,1,4-dihyd...	182	C14H14	007350-72-3	38
4	3,3'-Dimethylbiphenyl	182	C14H14	000612-75-9	38
5	[1,1'-Biphenyl]-4-carboxaldehyde	182	C13H10O	003218-36-8	35





Library Search Compound Report

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ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SOILWASTE-CHARACTERIZATION

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TIC Integration Parameters: LSCINT.P

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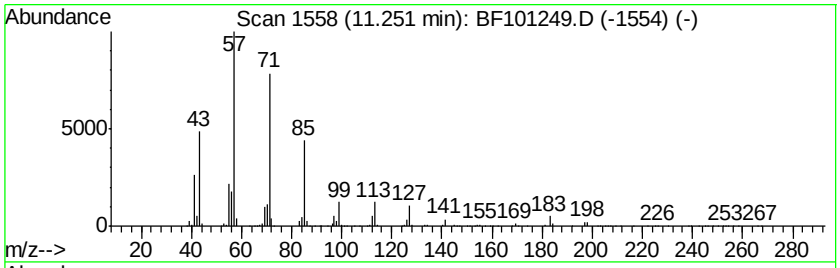
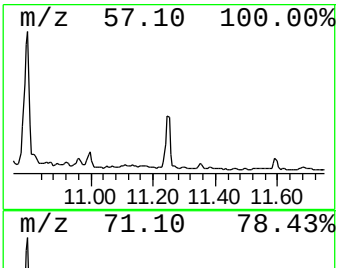
Peak Number 12 Hexadecane, 2,6,10,14-tetra... Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.25	204.92 ng	1499100	Phenanthrene-d10	11.37

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexadecane, 2,6,10,14-tetramethyl-	282	C20H42	000638-36-8	90
2	Eicosane	282	C20H42	000112-95-8	86
3	Dodecane, 2-methyl-6-propyl-	226	C16H34	055045-08-4	83
4	Hexadecane	226	C16H34	000544-76-3	80
5	Heptacosane	380	C27H56	000593-49-7	78





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Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SOILWASTE-CHARACTERIZATION

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF113017.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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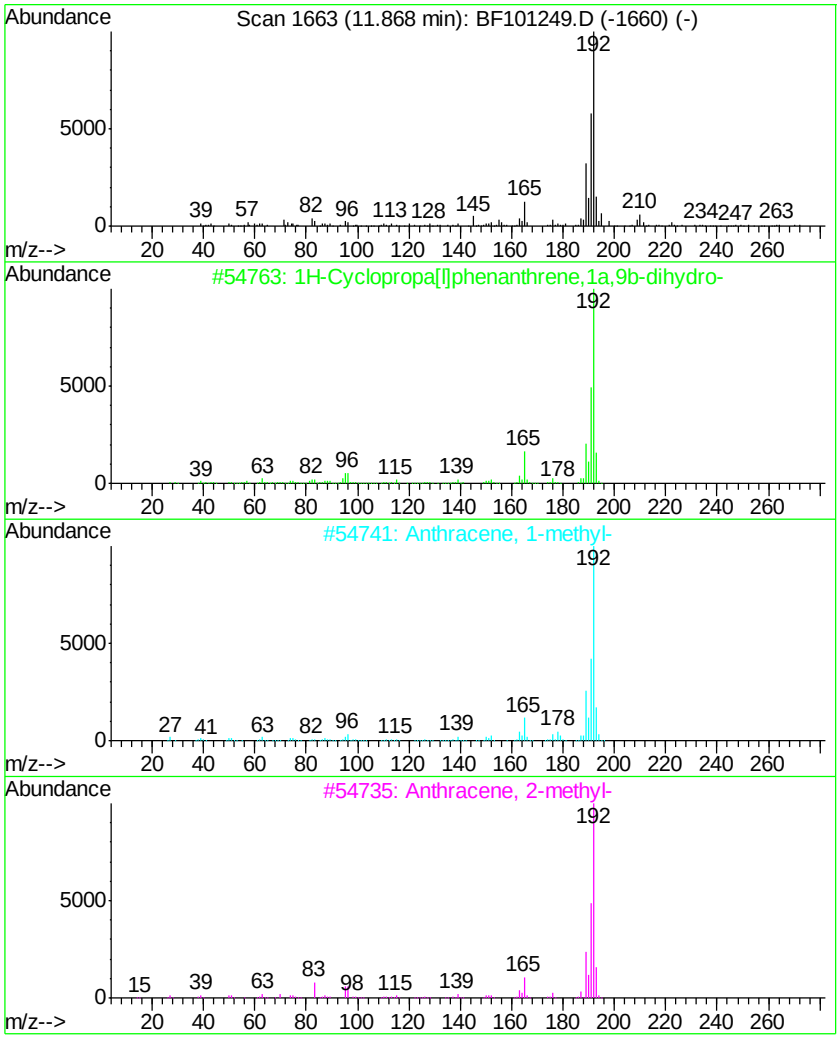
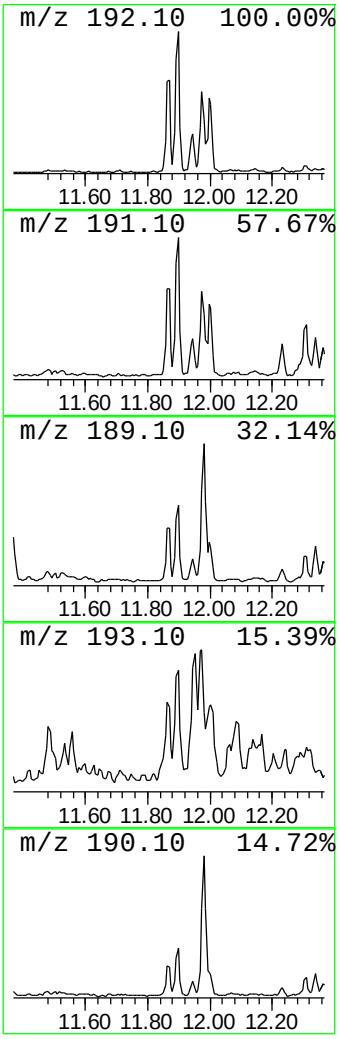
Peak Number 13 1H-Cyclopropa[l]phenanthren... Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.87	34.32 ng	251062	Phenanthrene-d10	11.37

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	95
2	Anthracene, 1-methyl-	192	C15H12	000610-48-0	95
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	90
4	Anthracene, 9-methyl-	192	C15H12	000779-02-2	90
5	Phenanthrene, 3-methyl-	192	C15H12	000832-71-3	90





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Instrument : BNA_F
ClientSampleId : SOILWASTE-CHARACTERIZATION

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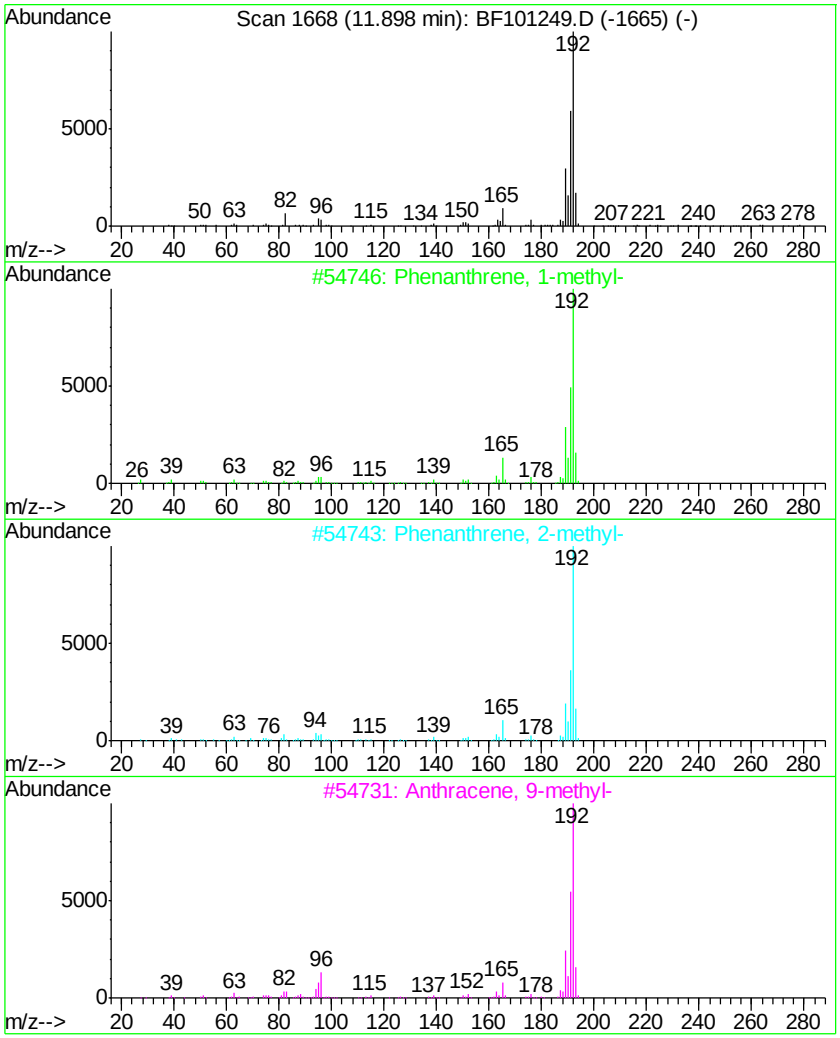
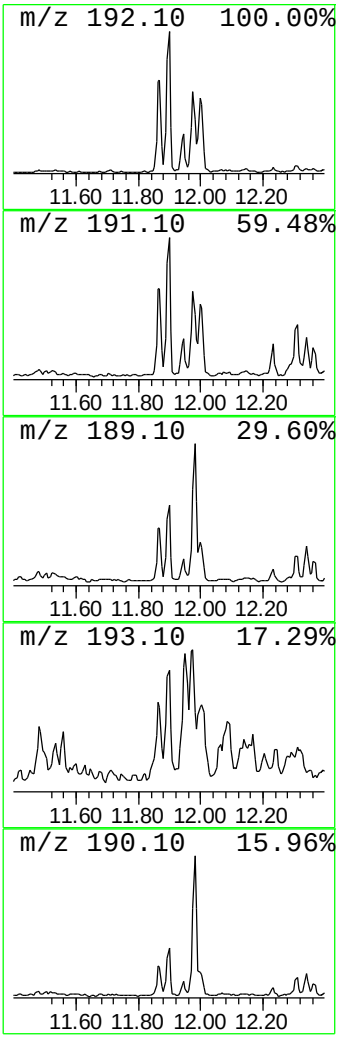
Peak Number 14 Phenanthrene, 1-methyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.90	44.24 ng	323613	Phenanthrene-d10	11.37

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	90
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	89
3	Anthracene, 9-methyl-	192	C15H12	000779-02-2	87
4	Phenanthrene, 3-methyl-	192	C15H12	000832-71-3	87
5	Naphtho[2,3-b]norbornadiene	192	C15H12	107426-38-0	83





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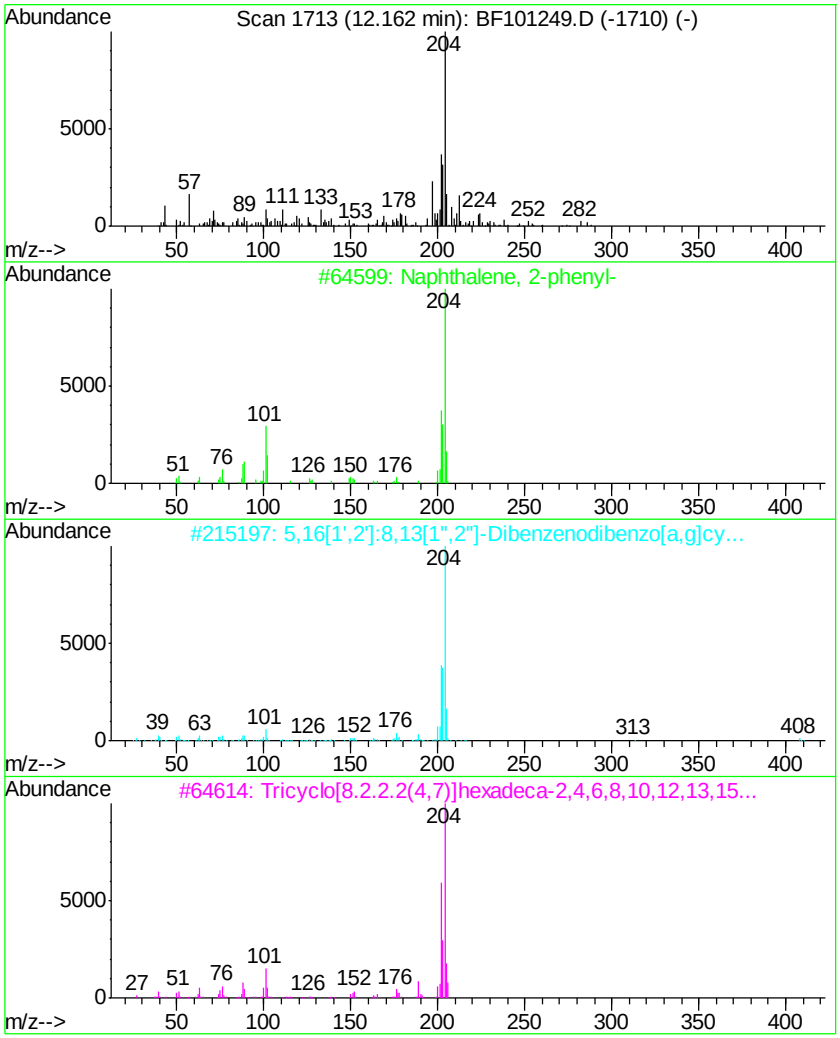
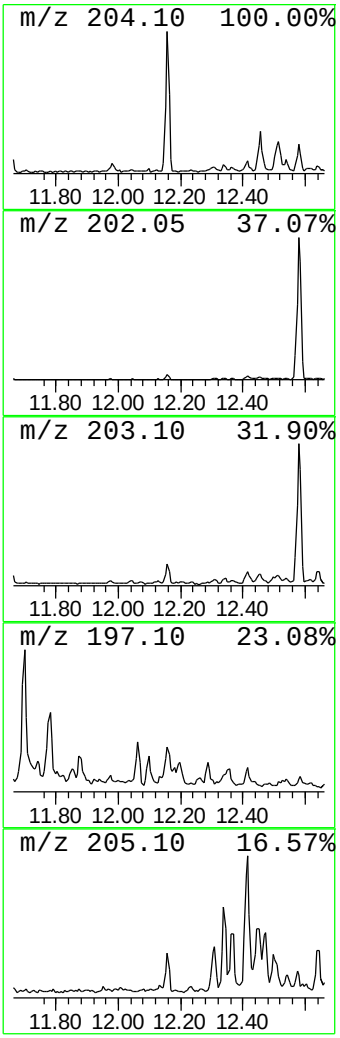
Peak Number 16 Naphthalene, 2-phenyl- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.16	13.16 ng	96297	Phenanthrene-d10	11.37

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	60
2	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	58
3	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	49
4	Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	43
5	[1,1'-Biphenyl]-4,4'-dicarbonitrile	204	C14H8N2	001591-30-6	43





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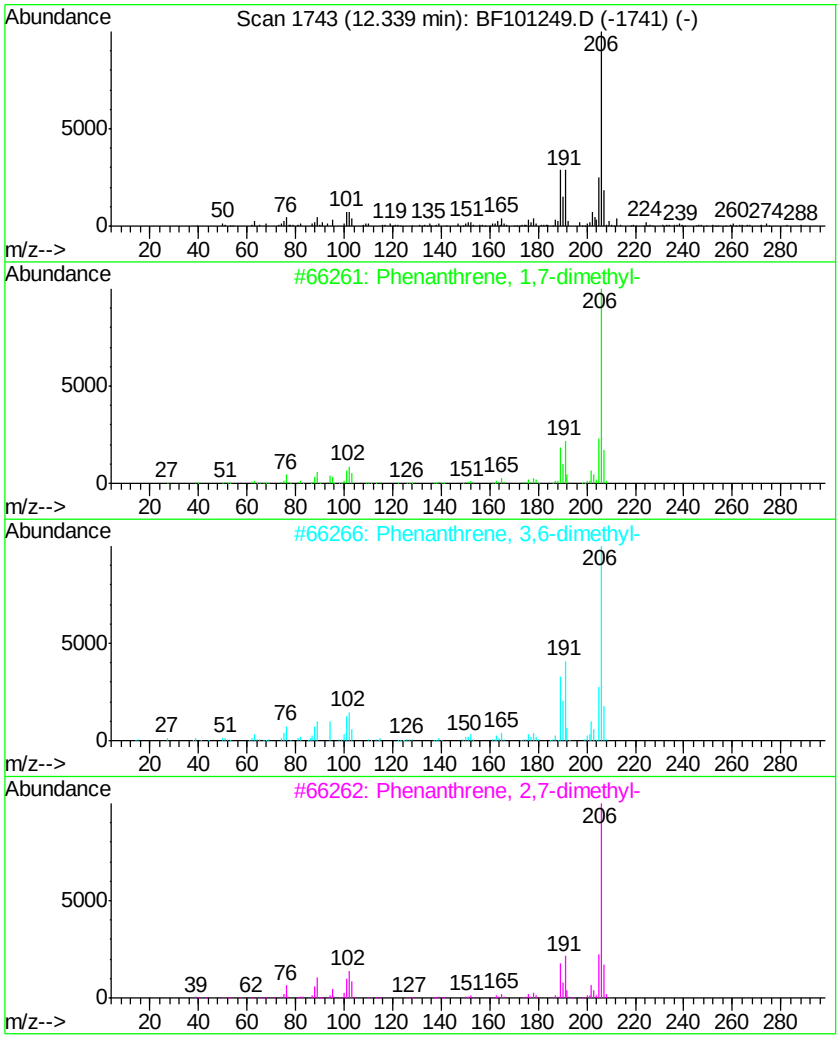
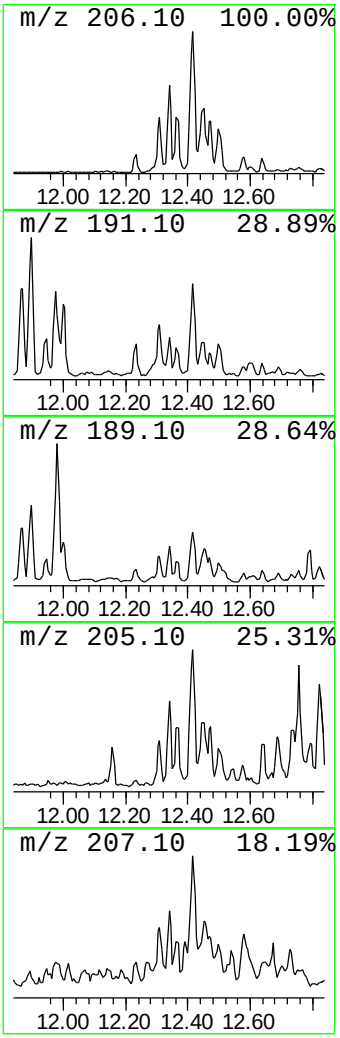
Peak Number 18 Phenanthrene, 1,7-dimethyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.34	16.39 ng	119883	Phenanthrene-d10	11.37

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	93
2	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	93
3	Phenanthrene, 2,7-dimethyl-	206	C16H14	001576-69-8	90
4	di-p-Tolylacetylene	206	C16H14	002789-88-0	76
5	9,10-Dimethylanthracene	206	C16H14	000781-43-1	74





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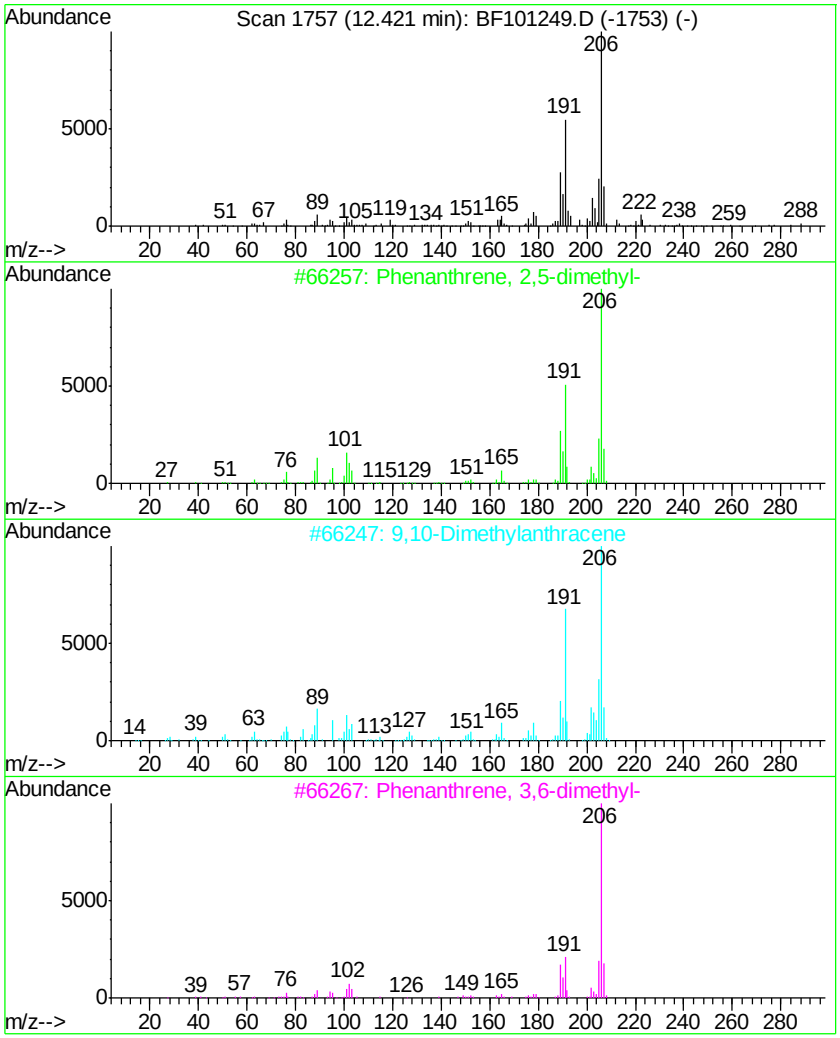
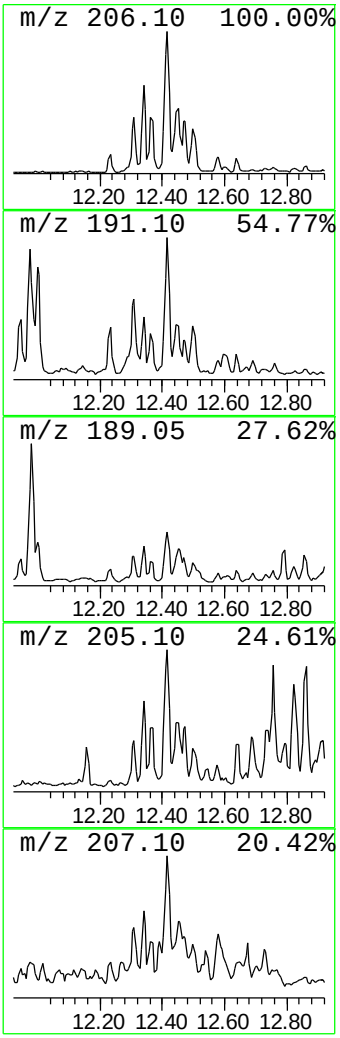
Peak Number 19 Phenanthrene, 2,5-dimethyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.42	35.49 ng	259640	Phenanthrene-d10	11.37

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	93
2	9,10-Dimethylanthracene	206	C16H14	000781-43-1	91
3	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	91
4	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	90
5	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	87





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Acq On : 8 Dec 2017 21:19
Operator : SJ/JU
Sample : I6790-01
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SOILWASTE-CHARACTERIZATION

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF113017.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

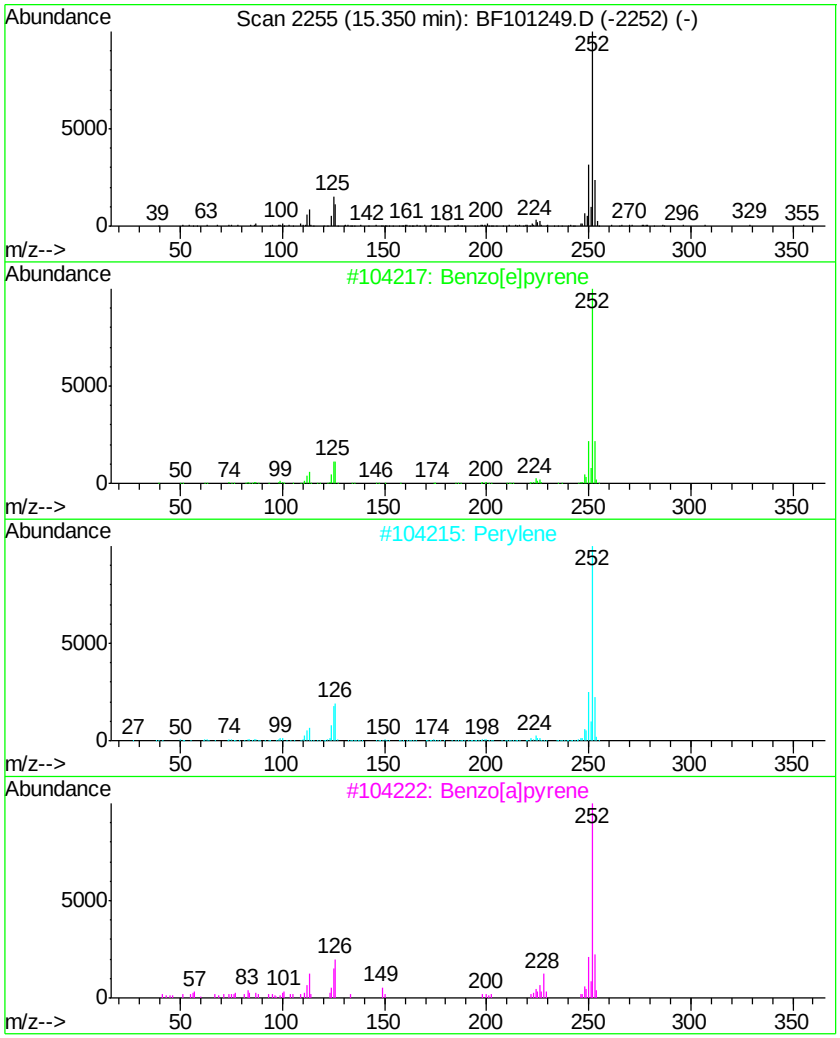
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

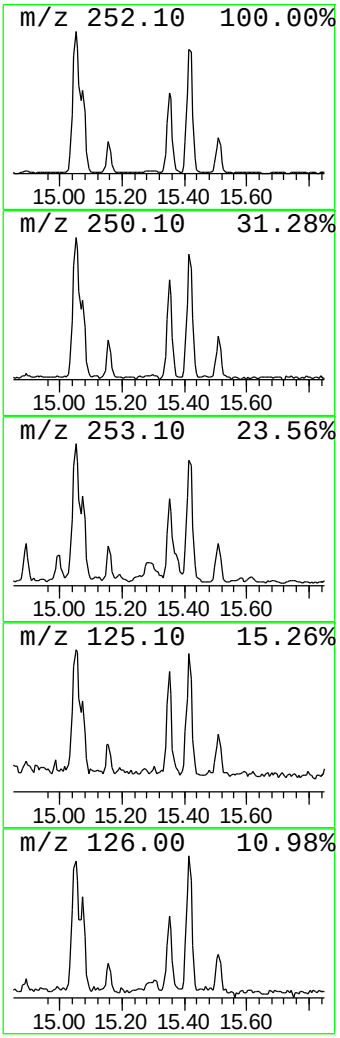
****

Peak Number 20 Benzo[e]pyrene Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.35	15.12 ng	192523	Perylene-d12	15.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	95
2	Perylene	252	C20H12	000198-55-0	93
3	Benzo[a]pyrene	252	C20H12	000050-32-8	90
4	Benzo[j]fluoranthene	252	C20H12	000205-82-3	89
5	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	89





Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF120817\
Data File : BF101249.D
Acq On : 8 Dec 2017 21:19
Operator : SJ/JU
Sample : I6790-01
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SOILWASTE-CHARACTERIZATION

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF113017.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
2-Octene, 2,6-dim...	6.37	15.9	ng	3265340	1	6.83	4098440	20.0
unknown6.60	6.60	16.8	ng	3448280	1	6.83	4098440	20.0
1-Ethyl-2,2,6-tri...	7.12	14.9	ng	3046580	1	6.83	4098440	20.0
unknown7.50	7.50	20.0	ng	2043320	2	8.15	2043320	20.0
Naphthalene, 1,4,...	10.23	58.1	ng	1374990	3	9.92	473093	20.0
Naphthalene, 2,3,...	10.26	52.0	ng	1230610	3	9.92	473093	20.0
Tridecane, 5-propyl-	10.53	93.7	ng	2216940	3	9.92	473093	20.0
Pentadecane, 2,6,...	10.80	509.3	ng	3725650	4	11.37	146312	20.0
Benzene, 1-methyl...	11.02	36.9	ng	269795	4	11.37	146312	20.0
unknown11.10	11.10	26.7	ng	195575	4	11.37	146312	20.0
Hexadecane, 2,6,1...	11.25	204.9	ng	1499100	4	11.37	146312	20.0
1H-Cyclopropa[l]p...	11.87	34.3	ng	251062	4	11.37	146312	20.0
Phenanthrene, 1-m...	11.90	44.2	ng	323613	4	11.37	146312	20.0
Naphthalene, 2-ph...	12.16	13.2	ng	96297	4	11.37	146312	20.0
Phenanthrene, 1,7...	12.34	16.4	ng	119883	4	11.37	146312	20.0
Phenanthrene, 2,5...	12.42	35.5	ng	259640	4	11.37	146312	20.0
Benzo[e]pyrene	15.35	15.1	ng	192523	6	15.48	254741	20.0