LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA M\DATA\BM030518\
Data File : BM014473.D
Acq On : 05 Mar 2018 15:11
Operator : SJ/JU
Sample : J1678-14
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BE5W2

Integration Parameters: LSCINT.P
Integrator: RTE
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 1 % 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_M\METHODS\SOM-EPA-BM021418.M
Title : SVOA CALIBRATION

Signal : TIC

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	6.728	630	636	651	rVB	438264	847318	4.83%	1.238%
2	6.863	653	659	672	rBV	362529	630503	3.59%	0.921%
3	7.057	686	692	699	rBV	519057	844058	4.81%	1.234%
4	7.510	764	769	779	rVB	439648	708849	4.04%	1.036%
5	8.251	887	895	908	rBV2	555532	1073465	6.11%	1.569%
6	8.675	958	967	978	rBV	525026	1045443	5.95%	1.528%
7	9.392	1082	1089	1101	rBV	475001	879824	5.01%	1.286%
8	9.945	1174	1183	1206	rBV	505523	1249342	7.12%	1.826%
9	10.287	1228	1241	1246	rBV	638772	1122269	6.39%	1.640%
10	10.451	1260	1269	1284	rBV	244615	621883	3.54%	0.909%
11	13.598	1799	1804	1809	rBV	1301089	1719897	9.80%	2.514%
12	13.645	1809	1812	1818	rVB	240707	298482	1.70%	0.436%
13	13.869	1841	1850	1861	rBV	1429558	2316620	13.20%	3.386%
14	14.175	1894	1902	1910	rBV2	912738	1584158	9.02%	2.315%
15	14.486	1949	1955	1966	rBV3	224008	693549	3.95%	1.014%
16	15.180	2068	2073	2080	rVB	1619607	2291977	13.05%	3.350%
17	15.363	2096	2104	2110	rBV2	325513	594153	3.38%	0.868%
18	16.468	2288	2292	2303	rVB3	267126	444880	2.53%	0.650%
19	16.939	2368	2372	2376	rBV	957468	1403402	7.99%	2.051%
20	16.986	2376	2380	2384	rVB	526191	704139	4.01%	1.029%
21	17.045	2384	2390	2394	rBV	1613995	2328466	13.26%	3.403%
22	17.863	2525	2529	2536	rBV3	592792	891825	5.08%	1.303%
23	18.010	2551	2554	2559	rBV4	154241	217072	1.24%	0.317%
24	18.557	2644	2647	2654	rBV2	306538	374832	2.14%	0.548%
25	18.951	2711	2714	2719	rVB	278482	329335	1.88%	0.481%
26	19.015	2721	2725	2730	rBV	1110024	1517558	8.64%	2.218%
27	19.151	2745	2748	2754	rVB5	424232	599387	3.41%	0.876%
28	19.357	2778	2783	2786	rBV	1745478	2509187	14.29%	3.667%
29	19.386	2786	2788	2794	rVB	978217	1072216	6.11%	1.567%
30	20.868	3037	3040	3046	rVB4	675643	921861	5.25%	1.347%
31	21.074	3071	3075	3080	rVB	16978333	17556399	100.00%	25.659%
32	21.162	3085	3090	3094	rBV3	1222800	2351256	13.39%	3.436%
33	21.409	3125	3132	3136	rVB	9289955	11380567	64.82%	16.633%
34	21.627	3165	3169	3172	rBV	1779706	2037402	11.60%	2.978%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA M\DATA\BM030518\
Data File : BM014473.D
Acq On : 05 Mar 2018 15:11
Operator : SJ/JU
Sample : J1678-14
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BE5W2

Integration Parameters: LSCINT.P
Integrator: RTE
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 1 % 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_M\METHODS\SOM-EPA-BM021418.M
Title : SVOA CALIBRATION

35	26.850	4051	4057	4070	rVB2	1127836	3260723	18.57%	4.766%

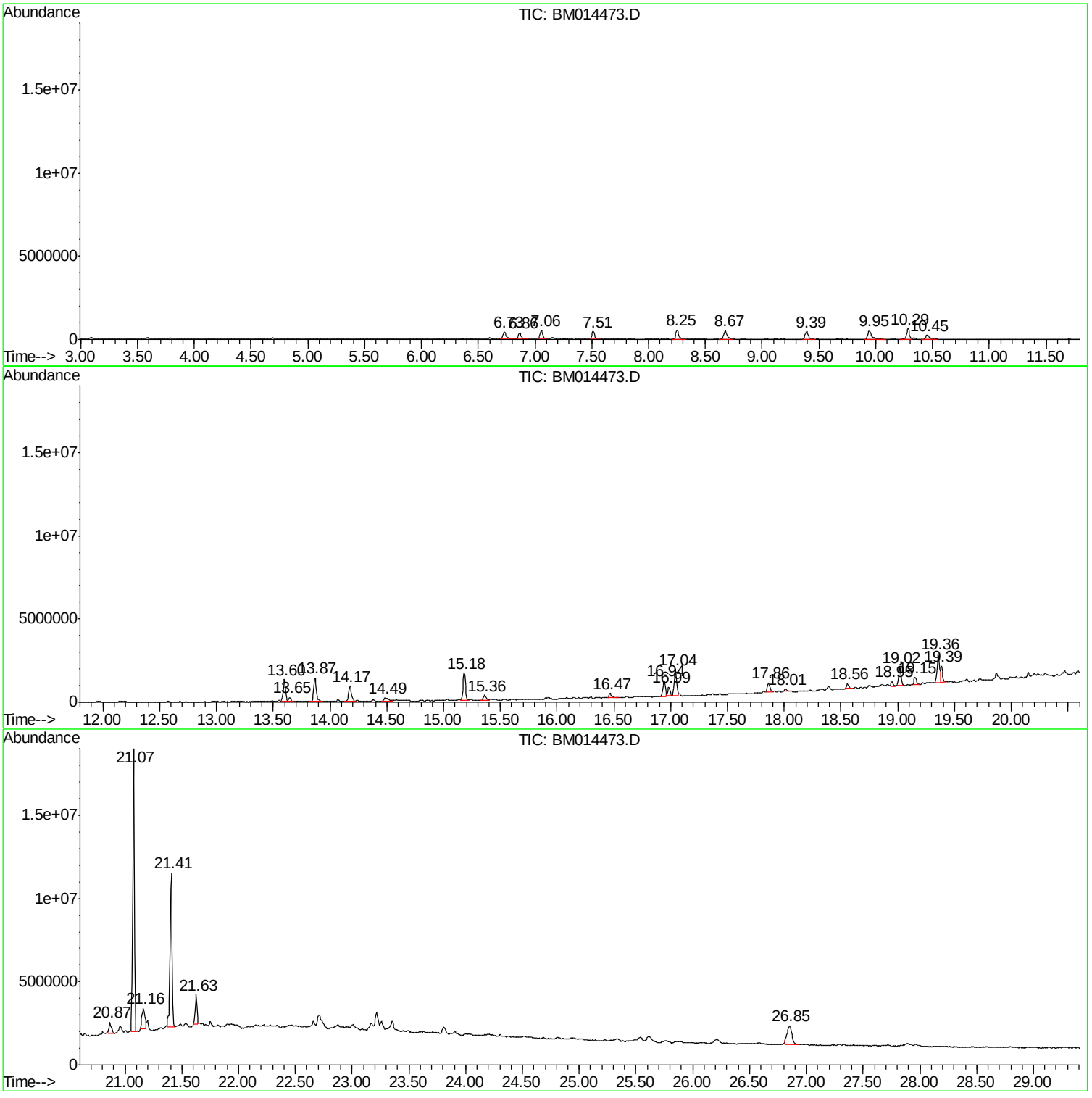
Sum of corrected areas: 68422297

Data Path : Z:\HPCHEM1\BNA M\DATA\BM030518\
Data File : BM014473.D
Acq On : 05 Mar 2018 15:11
Operator : SJ/JU
Sample : J1678-14
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
BE5W2

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM021418.M
Quant Title : SVOA CALIBRATION

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



Data Path : Z:\HPCHEM1\BNA M\DATA\BM030518\
Data File : BM014473.D
Acq On : 05 Mar 2018 15:11
Operator : SJ/JU
Sample : J1678-14
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_M
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Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM021418.M
Quant Title : SVOA CALIBRATION

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

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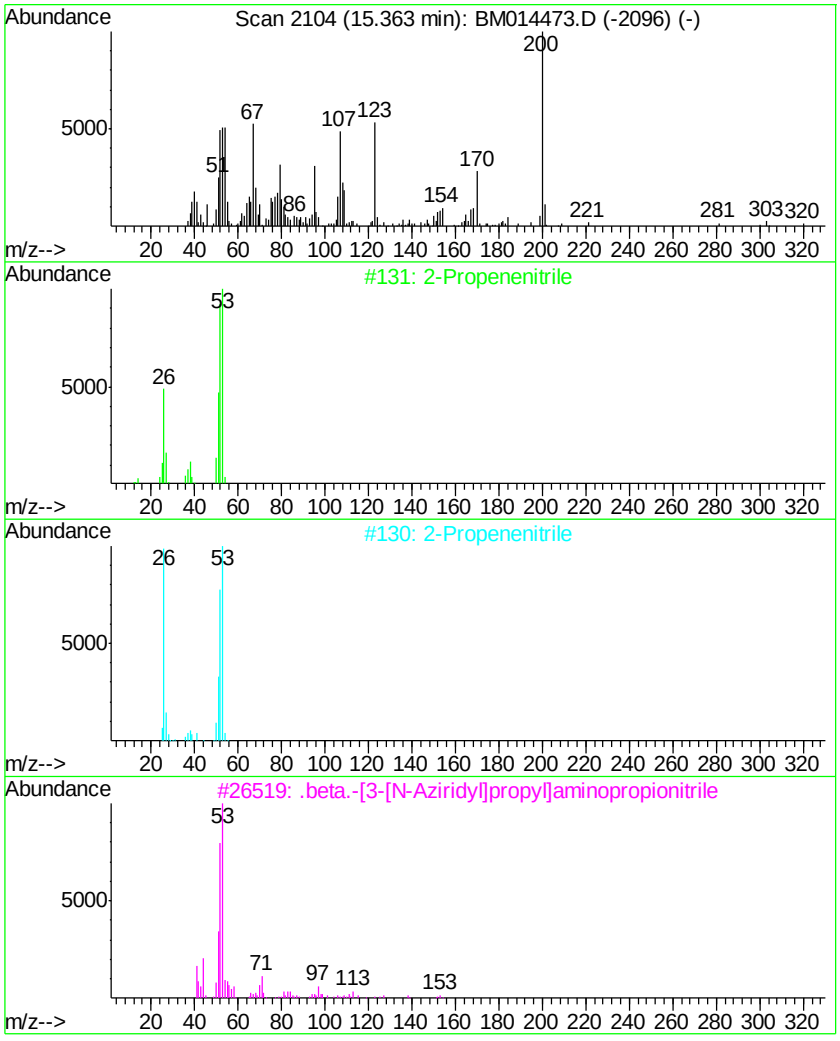
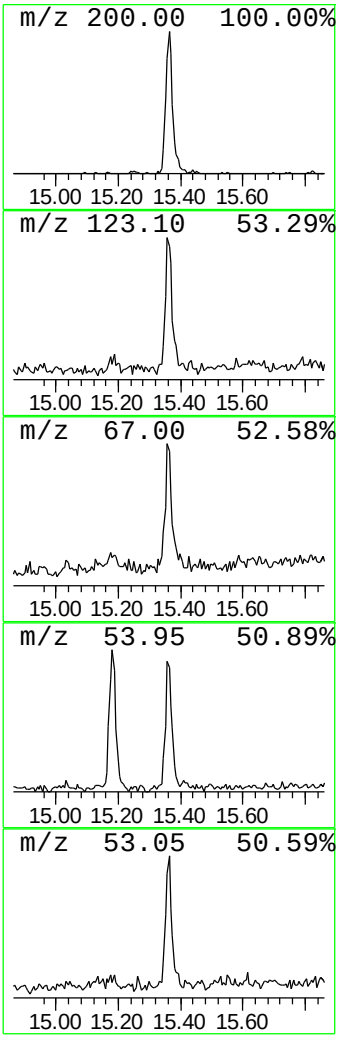
Peak Number 1 unknown-01 Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.36	7.50 ng/ul	594153	Acenaphthene-d10	14.17

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Propenenitrile	53	C3H3N	000107-13-1	43
2	2-Propenenitrile	53	C3H3N	000107-13-1	38
3	.beta.-[3-[N-Aziridyl]propyl]ami...	153	C8H15N3	1000257-03-4	32
4	2-Pentenenitrile, 5-hydroxy-, (E)-	97	C5H7NO	053778-56-6	32
5	2H-Benz[e]inden-3-ol, 3,3a,4,5-t...	200	C14H16O	071805-91-9	22





Data Path : Z:\HPCHEM1\BNA M\DATA\BM030518\
Data File : BM014473.D
Acq On : 05 Mar 2018 15:11
Operator : SJ/JU
Sample : J1678-14
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BE5W2

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM021418.M
Quant Title : SVOA CALIBRATION

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

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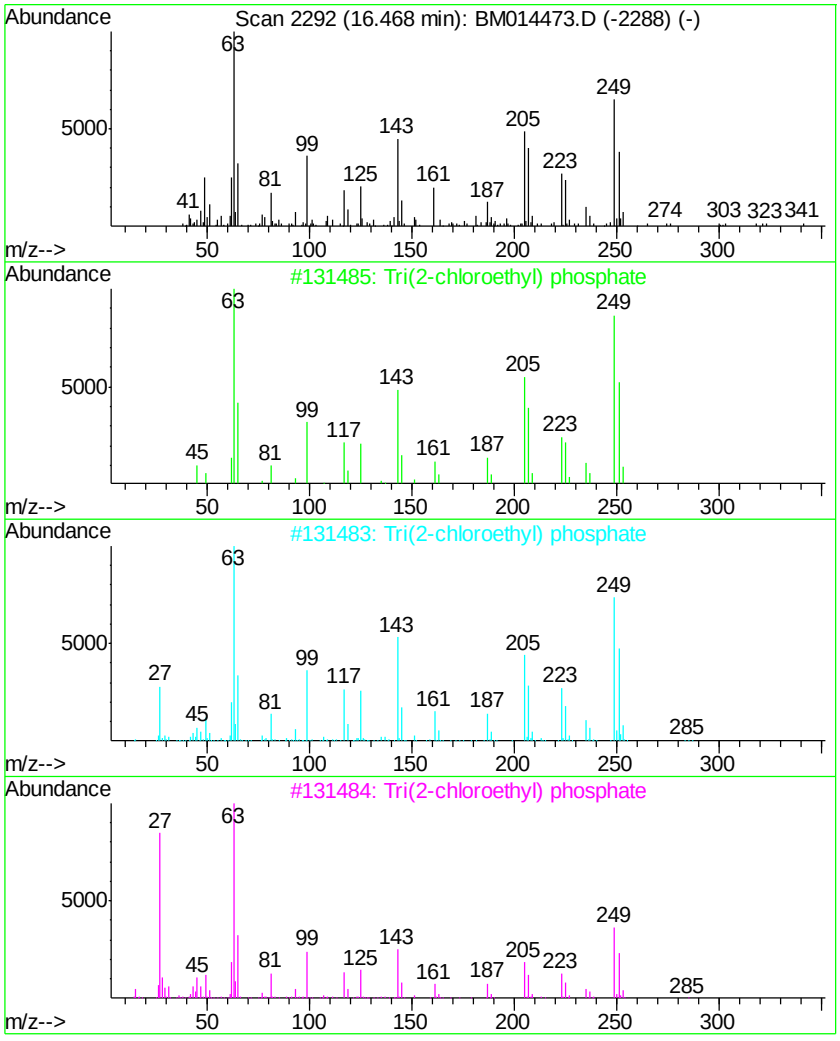
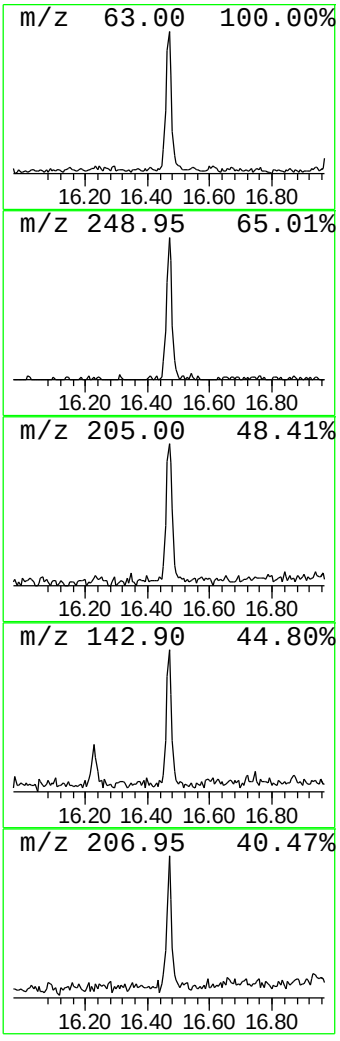
Peak Number 2 Tri(2-chloroethyl) phosphate Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.47	6.34 ng/ul	444880	Phenanthrene-d10	16.94

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tri(2-chloroethyl) phosphate	284	C6H12Cl3O4P	000115-96-8	93
2	Tri(2-chloroethyl) phosphate	284	C6H12Cl3O4P	000115-96-8	76
3	Tri(2-chloroethyl) phosphate	284	C6H12Cl3O4P	000115-96-8	64
4	2-(2-Chloroethoxy)ethyl bis(2-ch...	328	C8H16Cl3O5P	137888-36-9	40
5	Benzene, 1-[(2-chloroethyl)sulfo...	249	C8H8ClNO4S	006461-63-8	36





Data Path : Z:\HPCHEM1\BNA M\DATA\BM030518\
Data File : BM014473.D
Acq On : 05 Mar 2018 15:11
Operator : SJ/JU
Sample : J1678-14
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BE5W2

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM021418.M
Quant Title : SVOA CALIBRATION

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

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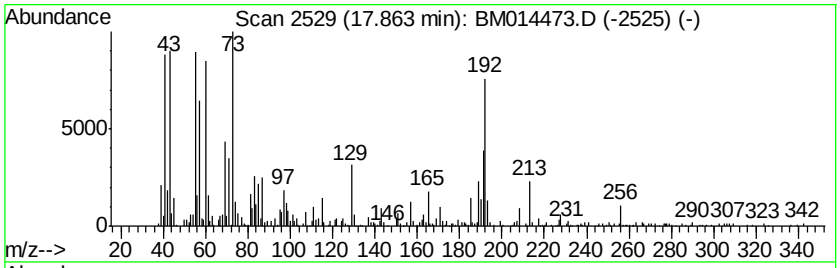
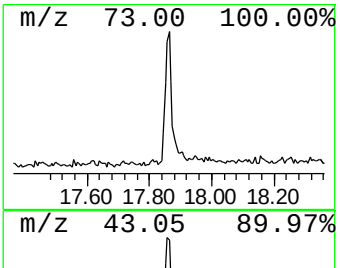
Peak Number 3 n-Hexadecanoic acid Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.86	12.71 ng/ul	891825	Phenanthrene-d10	16.94

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	95
2	Tridecanoic acid	214	C13H26O2	000638-53-9	94
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	46
4	Tridecanoic acid	214	C13H26O2	000638-53-9	46
5	Pentadecanoic acid	242	C15H30O2	001002-84-2	41





Data Path : Z:\HPCHEM1\BNA M\DATA\BM030518\
Data File : BM014473.D
Acq On : 05 Mar 2018 15:11
Operator : SJ/JU
Sample : J1678-14
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BE5W2

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM021418.M
Quant Title : SVOA CALIBRATION

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

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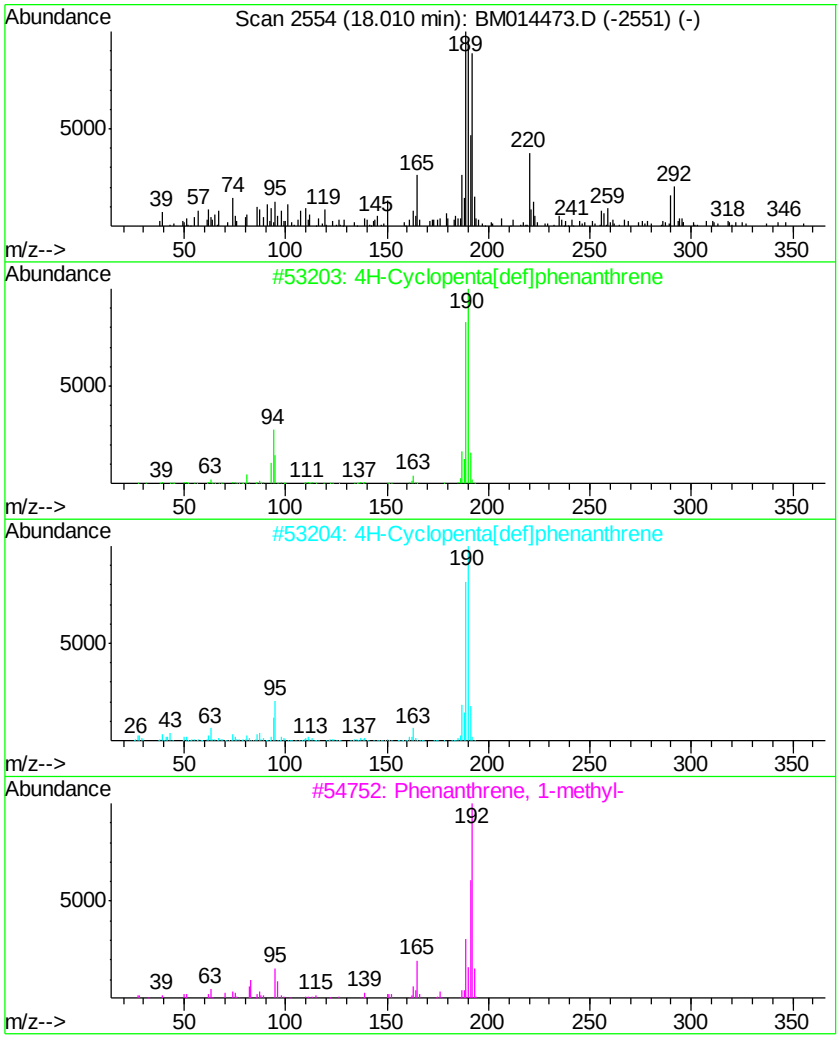
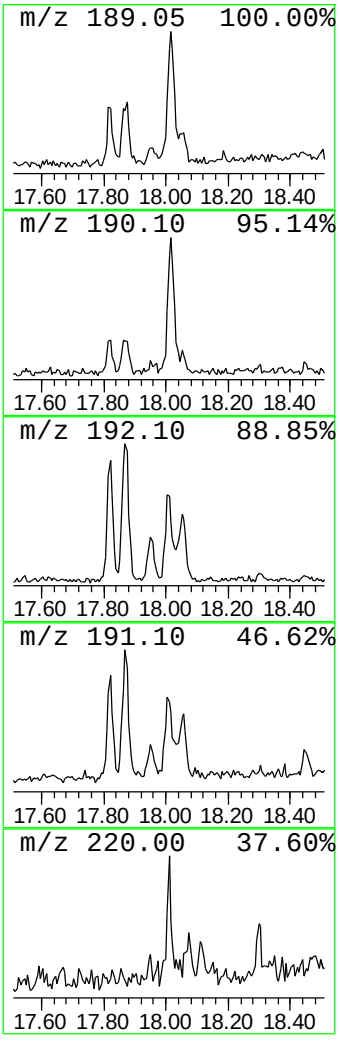
Peak Number 4 unknown-02 Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.01	3.09 ng/ul	217072	Phenanthrene-d10	16.94

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	43
2	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	43
3	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	38
4	Anthracene, 1-methyl-	192	C15H12	000610-48-0	35
5	Anthracene, 9-methyl-	192	C15H12	000779-02-2	30





Data Path : Z:\HPCHEM1\BNA M\DATA\BM030518\
Data File : BM014473.D
Acq On : 05 Mar 2018 15:11
Operator : SJ/JU
Sample : J1678-14
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BE5W2

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM021418.M
Quant Title : SVOA CALIBRATION

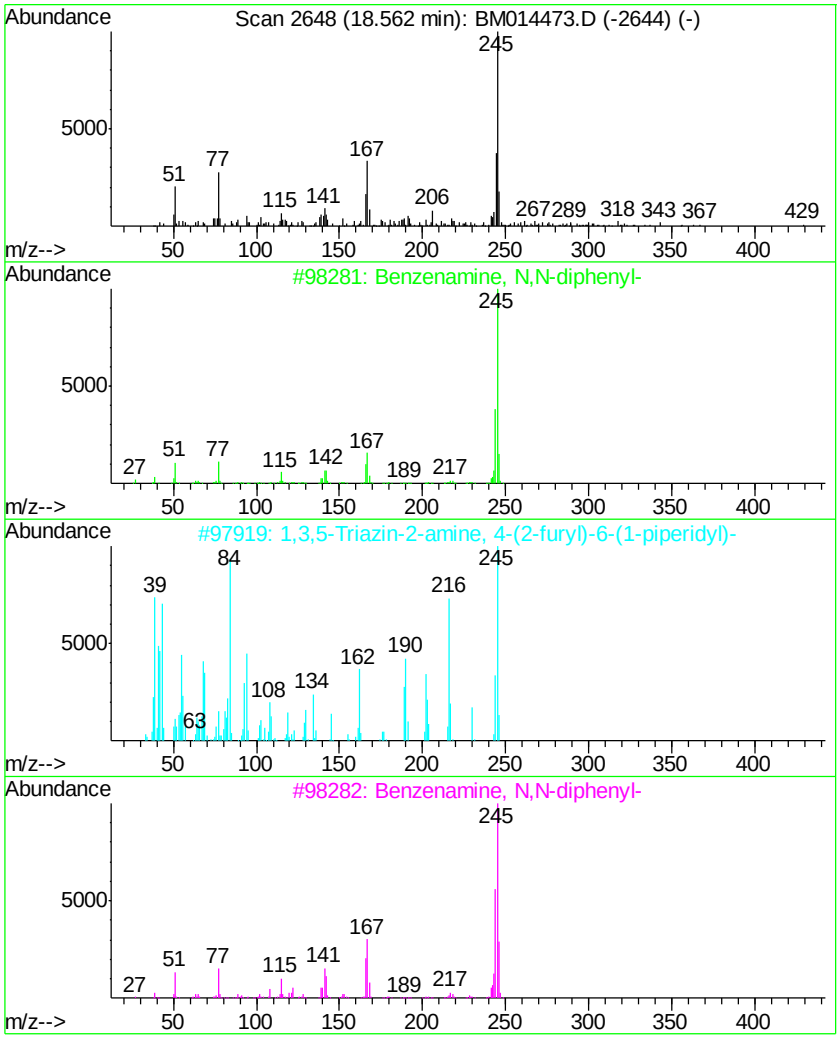
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

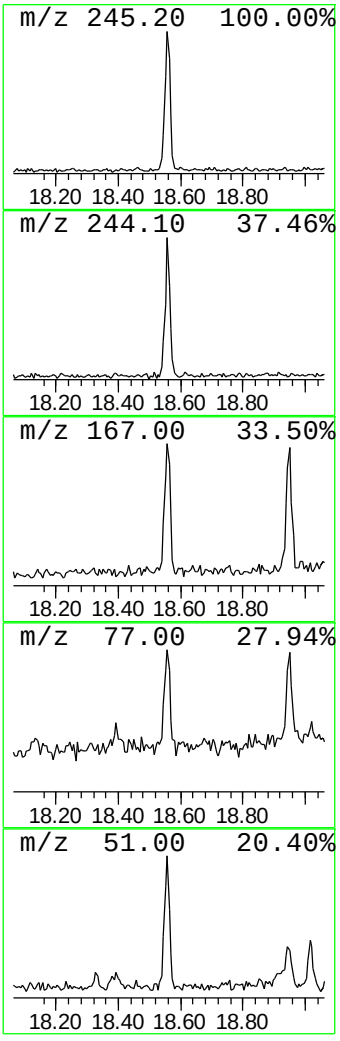
****

Peak Number 5 Benzenamine, N,N-diphenyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.56	5.34 ng/ul	374832	Phenanthrene-d10	16.94

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzenamine, N,N-diphenyl-	245	C18H15N	000603-34-9	93
2	1,3,5-Triazin-2-amine, 4-(2-furv...	245	C12H15N5O	148403-53-6	91
3	Benzenamine, N,N-diphenyl-	245	C18H15N	000603-34-9	58
4	Benzenamine, N,N-diphenyl-	245	C18H15N	000603-34-9	58
5	Pyridine, 2-methyl-4,6-diphenyl-	245	C18H15N	001912-16-9	49





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Acq On : 05 Mar 2018 15:11
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Sample : J1678-14
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BE5W2

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM021418.M
Quant Title : SVOA CALIBRATION

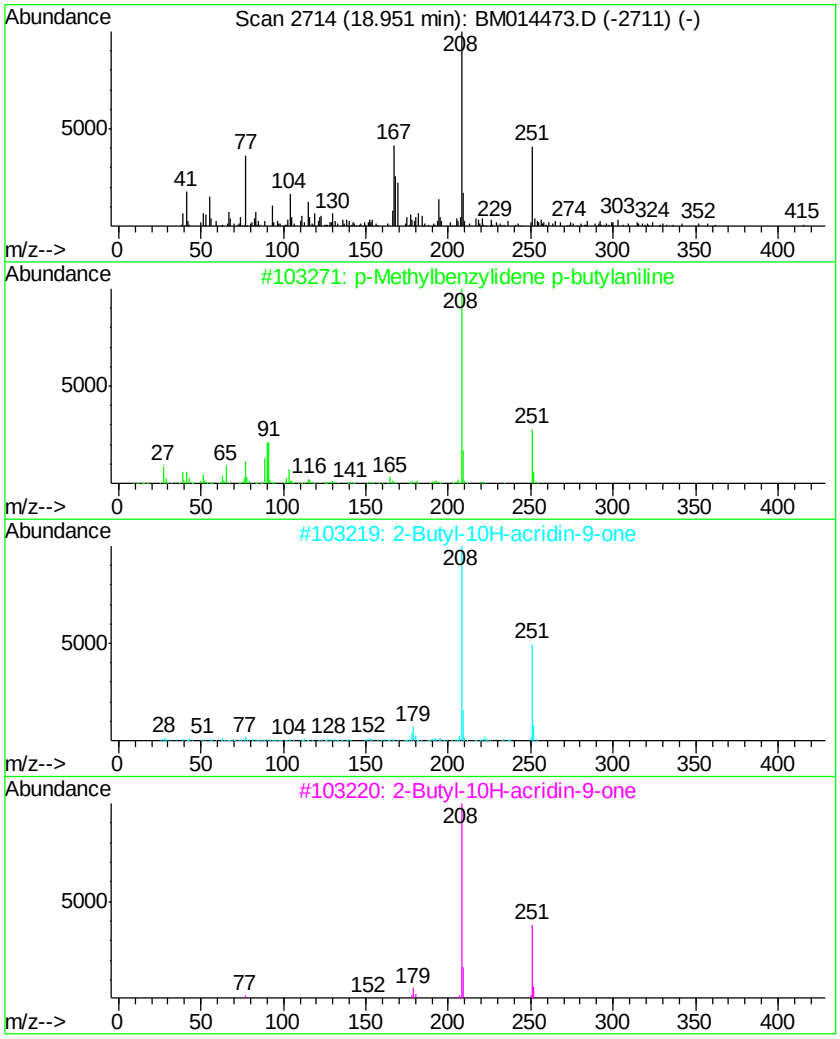
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

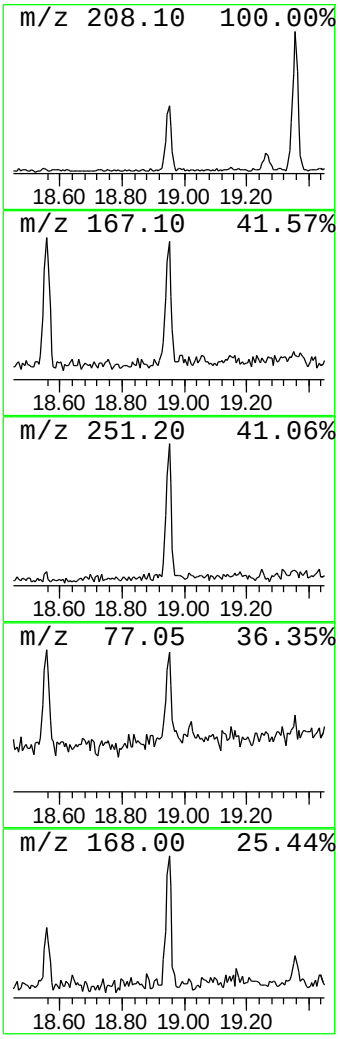
****

Peak Number 6 unknown-03 Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.95	4.69 ng/ul	329335	Phenanthrene-d10	16.94

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	p-Methylbenzylidene p-butylaniline	251	C18H21N	038549-81-4	46
2	2-Butyl-10H-acridin-9-one	251	C17H17NO	055751-69-4	46
3	2-Butyl-10H-acridin-9-one	251	C17H17NO	055751-69-4	43
4	10-Butyl-10H-acridin-9-one	251	C17H17NO	1000317-65-2	43
5	9-(2,3-Epoxypropoxy)-acridine	251	C16H13NO2	113105-85-4	30





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA M\DATA\BM030518\
Data File : BM014473.D
Acq On : 05 Mar 2018 15:11
Operator : SJ/JU
Sample : J1678-14
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BE5W2

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM021418.M
Quant Title : SVOA CALIBRATION

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

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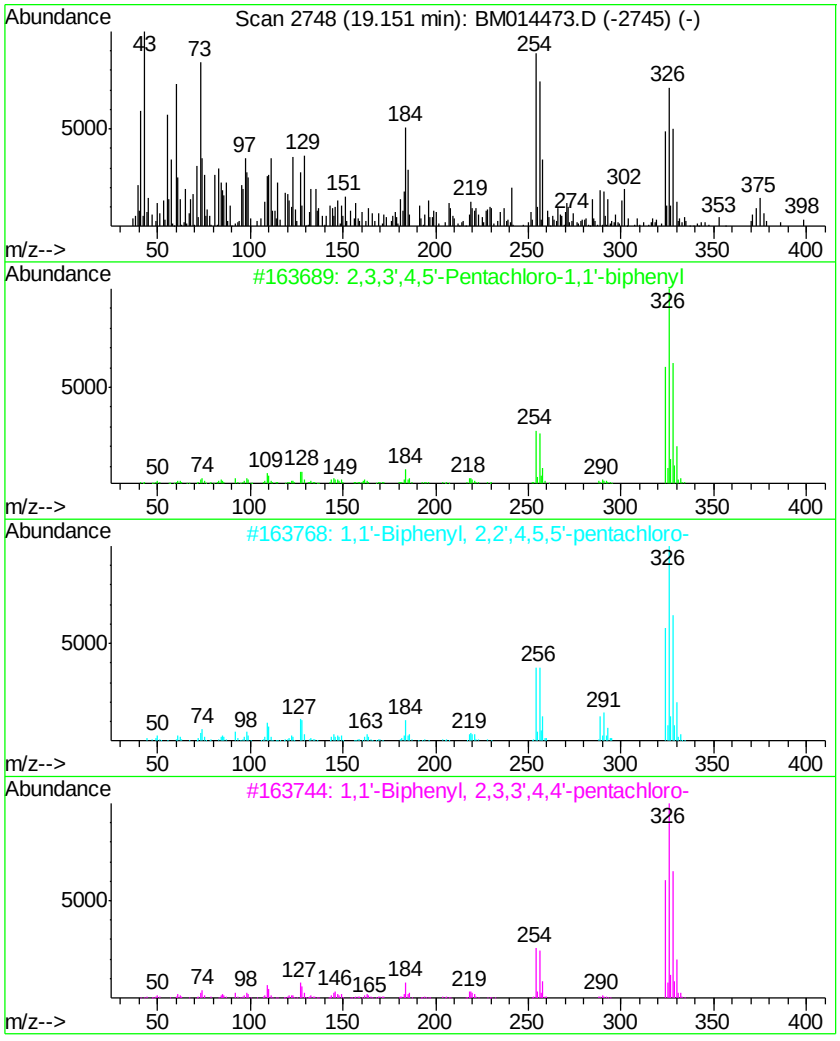
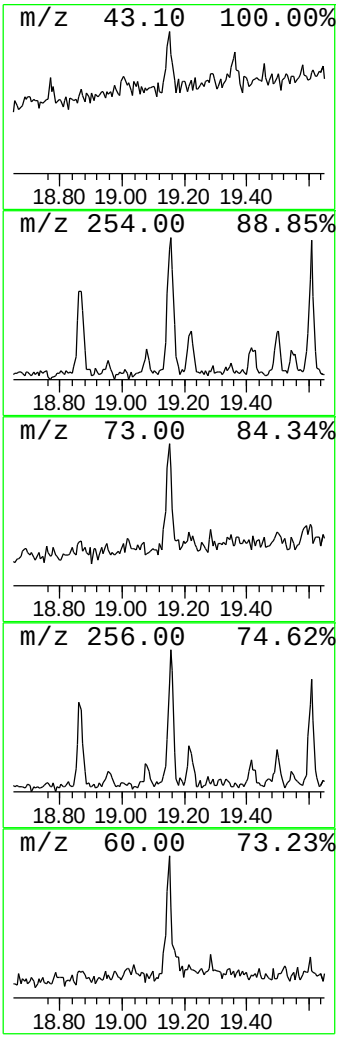
Peak Number 7 2,3,3',4,5'-Pentachloro-1,1... Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.15	5.10 ng/ul	599387	Chrysene-d12	21.16

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2,3,3',4,5'-Pentachloro-1,1'-bip...	324	C12H5Cl5	070362-41-3	93
2	1,1'-Biphenyl, 2,2',4,5,5'-penta...	324	C12H5Cl5	037680-73-2	93
3	1,1'-Biphenyl, 2,3,3',4,4'-penta...	324	C12H5Cl5	032598-14-4	92
4	2,3,3',5,6-Pentachloro-1,1'-biph...	324	C12H5Cl5	074472-36-9	92
5	2,3,3',4,5'-Pentachloro-1,1'-bip...	324	C12H5Cl5	070362-41-3	91





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Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM021418.M
Quant Title : SVOA CALIBRATION

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

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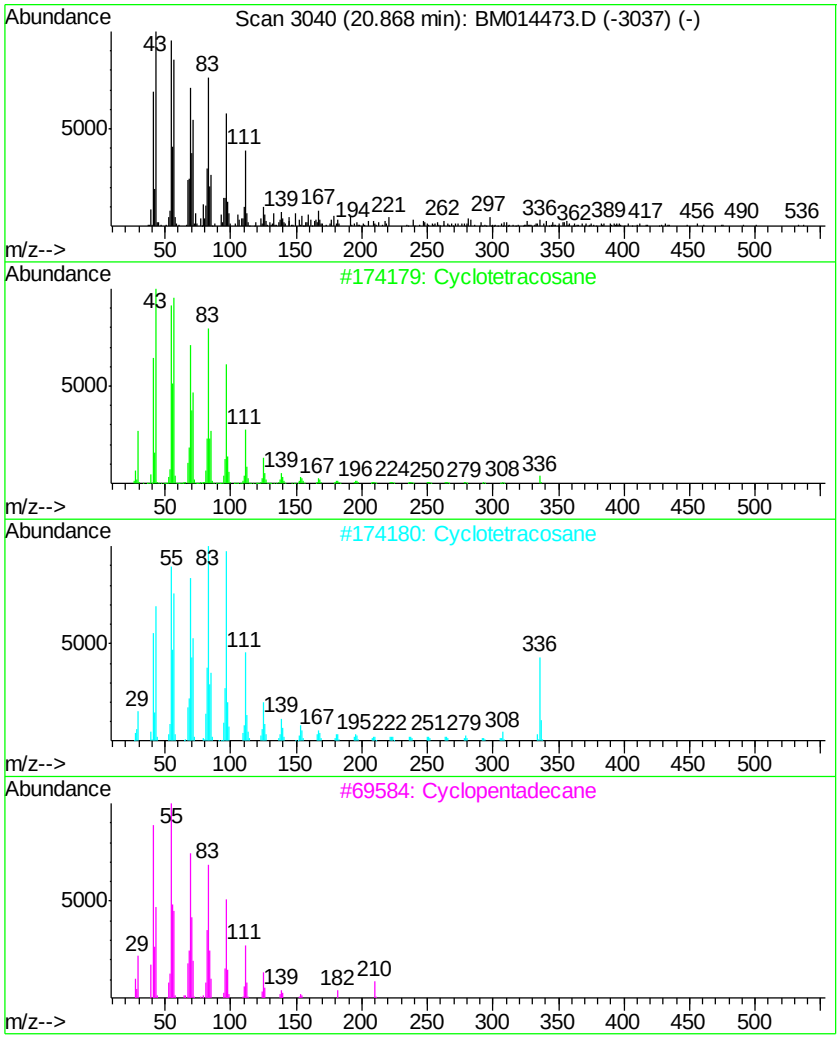
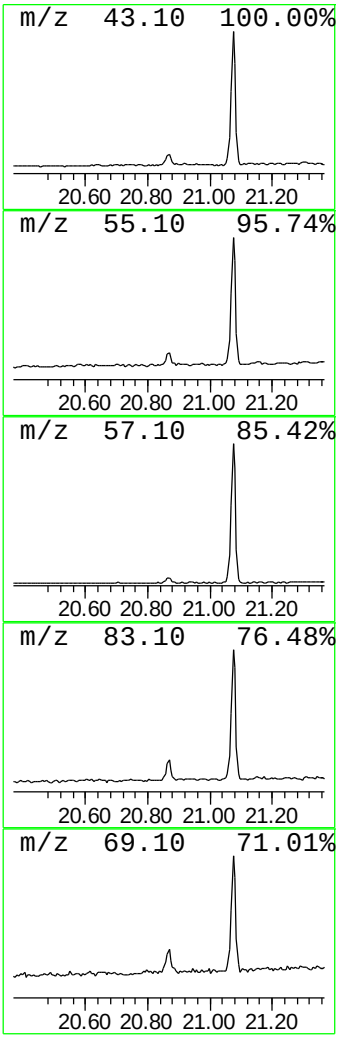
Peak Number 8 (DEL) Alkane: Cyclic20.87 Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.87	7.84 ng/ul	921861	Chrysene-d12	21.16

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclotetracosane	336	C24H48	000297-03-0	99
2	Cyclotetracosane	336	C24H48	000297-03-0	97
3	Cyclopentadecane	210	C15H30	000295-48-7	95
4	1-Docosene	308	C22H44	001599-67-3	95
5	1-Hexacosene	364	C26H52	018835-33-1	94





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Data File : BM014473.D
Acq On : 05 Mar 2018 15:11
Operator : SJ/JU
Sample : J1678-14
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BE5W2

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM021418.M
Quant Title : SVOA CALIBRATION

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

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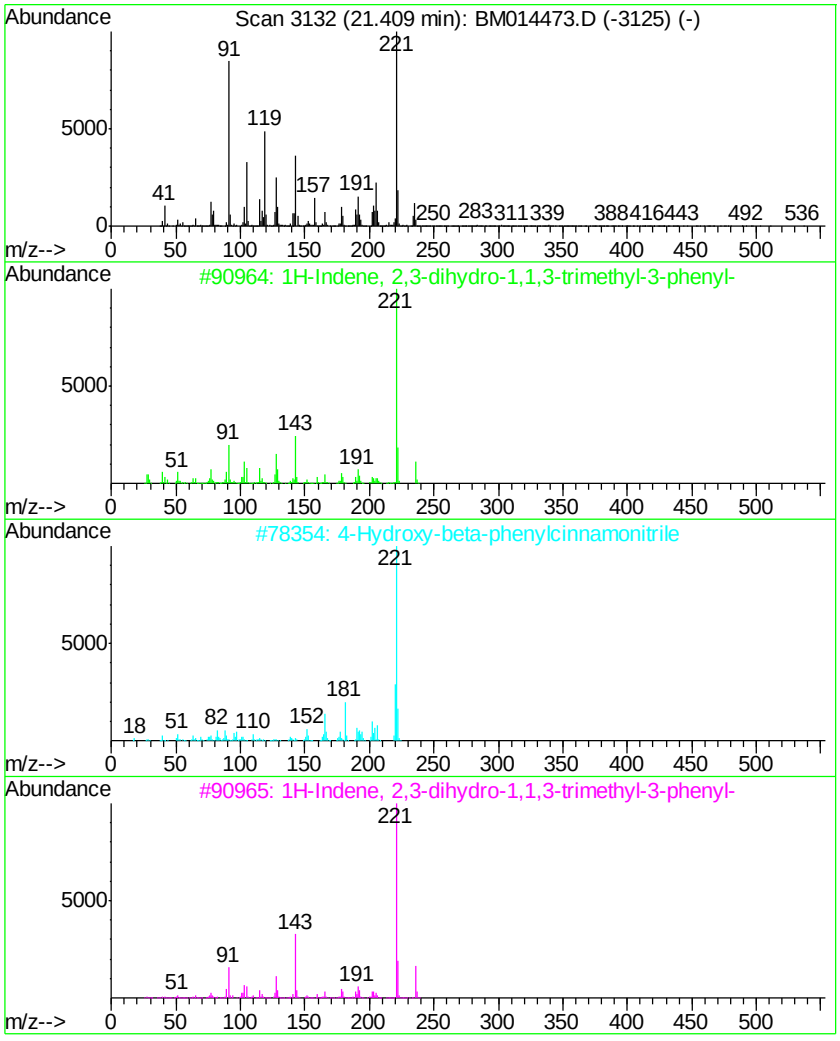
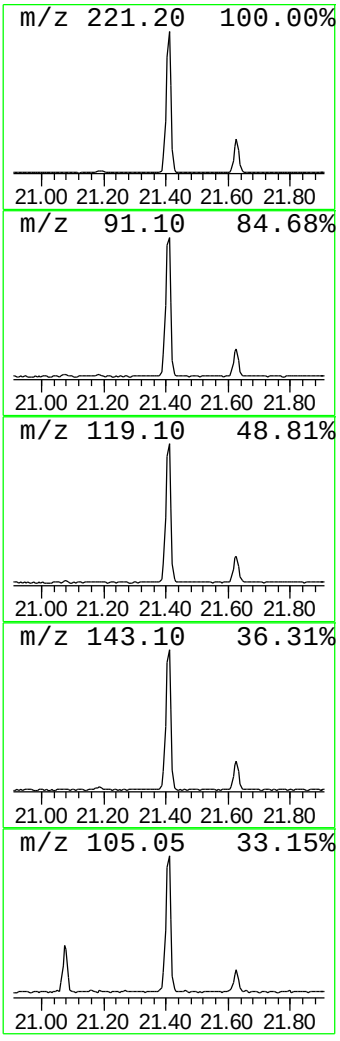
Peak Number 9 unknown-04 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.41	96.80 ng/ul	11380600	Chrysene-d12	21.16

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Indene, 2,3-dihydro-1,1,3-tri...	236	C18H20	003910-35-8	43
2	4-Hydroxy-beta-phenylcinnamonitrile	221	C15H11NO	016281-90-6	38
3	1H-Indene, 2,3-dihydro-1,1,3-tri...	236	C18H20	003910-35-8	37
4	Oxazole, 2,5-diphenyl-	221	C15H11NO	000092-71-7	35
5	Benz[j]isoquinoline, 3,6,8-trime...	221	C16H15N	061171-16-2	35





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Data File : BM014473.D
Acq On : 05 Mar 2018 15:11
Operator : SJ/JU
Sample : J1678-14
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BE5W2

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM021418.M
Quant Title : SVOA CALIBRATION

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

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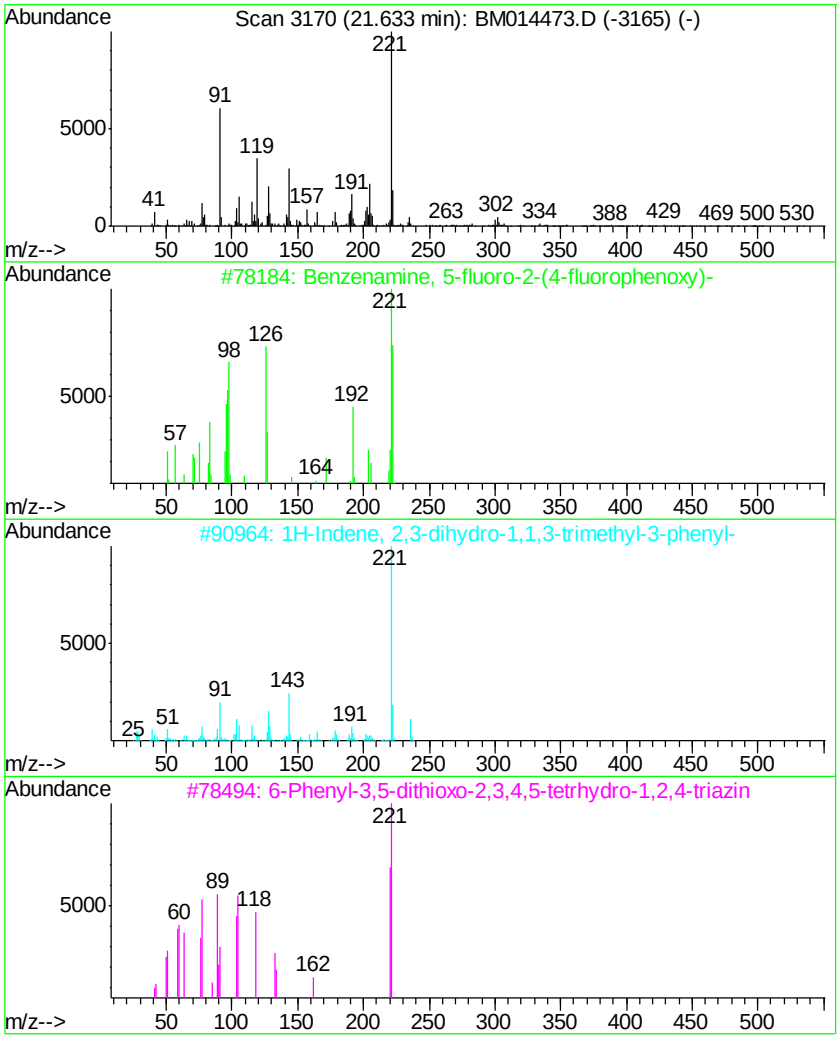
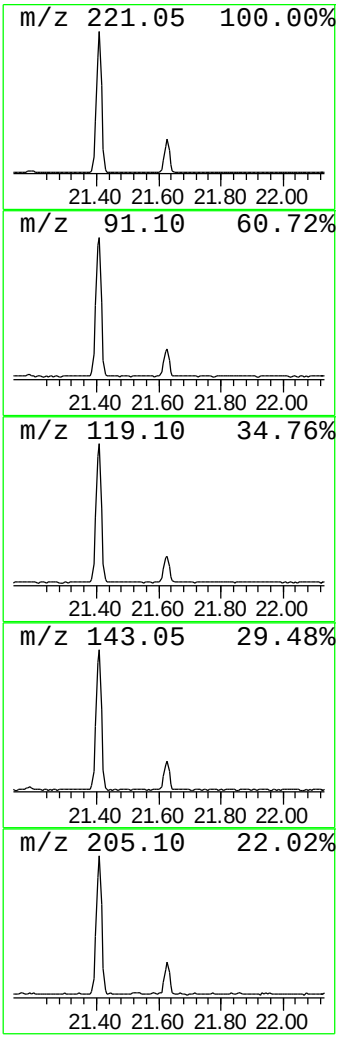
Peak Number 10 unknown-05 Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.63	17.33 ng/ul	2037400	Chrysene-d12	21.16

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzenamine, 5-fluoro-2-(4-fluor...	221	C12H9F2NO	020653-64-9	46
2	1H-Indene, 2,3-dihydro-1,1,3-tri...	236	C18H20	003910-35-8	46
3	6-Phenyl-3,5-dithioxo-2,3,4,5-te...	221	C9H7N3S2	038119-57-2	42
4	4-Hydroxy-beta-phenylcinnamonitrile	221	C15H11NO	016281-90-6	41
5	1H-Indene, 2,3-dihydro-1,1,3-tri...	236	C18H20	003910-35-8	38





Data Path : Z:\HPCHEM1\BNA M\DATA\BM030518\
Data File : BM014473.D
Acq On : 05 Mar 2018 15:11
Operator : SJ/JU
Sample : J1678-14
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BE5W2

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM021418.M
Quant Title : SVOA CALIBRATION

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

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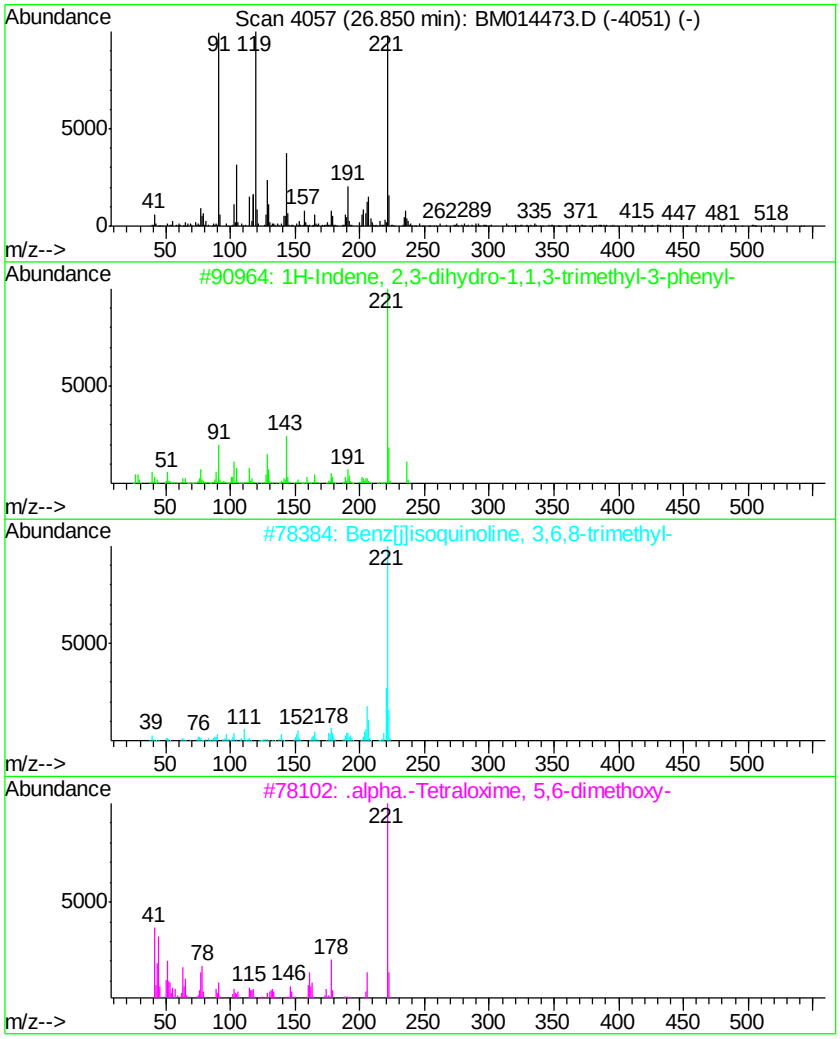
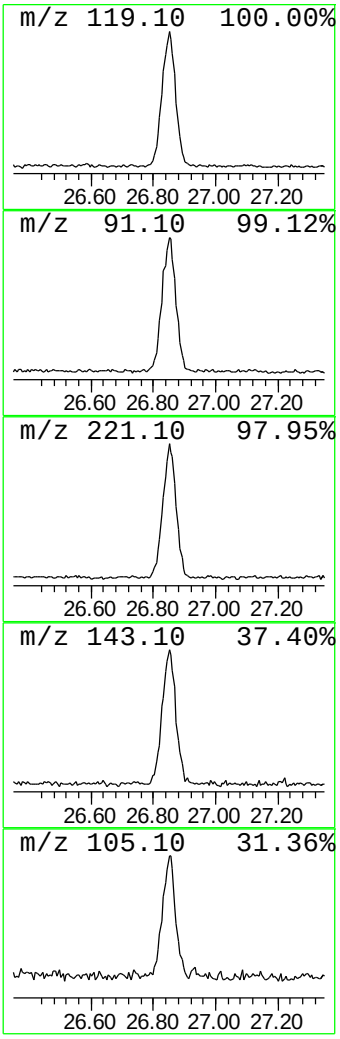
Peak Number 11 unknown-06 Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
26.85	32.01 ng/ul	3260720	Perylene-d12	23.35

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Indene, 2,3-dihydro-1,1,3-tri...	236	C18H20	003910-35-8	38
2	Benz[j]isoquinoline, 3,6,8-trime...	221	C16H15N	061171-16-2	30
3	.alpha.-Tetraloxime, 5,6-dimethoxy-	221	C12H15NO3	023923-10-6	27
4	Benzo[h]quinoline, 2,3,4-trimethyl-	221	C16H15N	063042-66-0	27
5	5H-Dibenzo[a,c]cycloheptene, 6-b...	300	C16H13BrO	1000143-00-4	27





Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM030518\
Data File : BM014473.D
Acq On : 05 Mar 2018 15:11
Operator : SJ/JU
Sample : J1678-14
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BE5W2

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM021418.M
Quant Title : SVOA 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
unknown-01	15.36	7.5	ng/ul	594153	3	14.17	1584160	20.0
Tri(2-chloroethyl...	16.47	6.3	ng/ul	444880	4	16.94	1403400	20.0
n-Hexadecanoic acid	17.86	12.7	ng/ul	891825	4	16.94	1403400	20.0
unknown-02	18.01	3.1	ng/ul	217072	4	16.94	1403400	20.0
Benzenamine, N,N-...	18.56	5.3	ng/ul	374832	4	16.94	1403400	20.0
unknown-03	18.95	4.7	ng/ul	329335	4	16.94	1403400	20.0
2,3,3',4,5'-Penta...	19.15	5.1	ng/ul	599387	5	21.16	2351260	20.0
(DEL) Alkane: Cyc...	20.87	7.8	ng/ul	921861	5	21.16	2351260	20.0
unknown-04	21.41	96.8	ng/ul	11380600	5	21.16	2351260	20.0
unknown-05	21.63	17.3	ng/ul	2037400	5	21.16	2351260	20.0
unknown-06	26.85	32.0	ng/ul	3260720	6	23.35	2037400	20.0