

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF101218\
 Data File : BF109845.D
 Acq On : 12 Oct 2018 20:29
 Operator : JU/SJ
 Sample : J5395-01
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PH-SOIL

Integration Parameters: rteint.p
 Integrator: RTE
 Smoothing : ON
 Sampling : 1
 Start Thrs: 0.2
 Stop Thrs : 0

Filtering: 5
 Min Area: 3 % of largest Peak
 Max Peaks: 100
 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-BF100818.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	4.910	477	480	492	rBV	46233	72385	3.03%	0.333%
2	5.316	545	549	577	rBV	1591199	1926085	80.58%	8.862%
3	6.345	720	724	741	rBV	1653679	2142426	89.63%	9.857%
4	6.469	741	745	767	rVB	2079992	2237092	93.59%	10.293%
5	6.692	780	783	794	rBV	426047	520595	21.78%	2.395%
6	6.775	794	797	801	rVB	31516	33943	1.42%	0.156%
7	6.851	806	810	827	rBV	1695554	1658595	69.39%	7.631%
8	7.257	875	879	900	rBV	979998	1362321	56.99%	6.268%
9	7.975	997	1001	1012	rBV	626943	695875	29.11%	3.202%
10	9.051	1179	1184	1195	rBV	2311901	2390399	100.00%	10.998%
11	9.386	1238	1241	1244	rBV	30466	28960	1.21%	0.133%
12	9.439	1247	1250	1256	rVV	208438	219565	9.19%	1.010%
13	9.586	1272	1275	1279	rBV2	21846	24267	1.02%	0.112%
14	9.722	1293	1298	1302	rBV	811345	738815	30.91%	3.399%
15	9.751	1302	1303	1307	rVB	64516	56936	2.38%	0.262%
16	9.928	1330	1333	1336	rBV2	25594	30044	1.26%	0.138%
17	10.128	1365	1367	1374	rVB7	15390	26386	1.10%	0.121%
18	10.269	1387	1391	1396	rBV2	56855	73082	3.06%	0.336%
19	10.427	1415	1418	1422	rVB3	24870	31888	1.33%	0.147%
20	10.510	1428	1432	1444	rBV	1125405	1233654	51.61%	5.676%
21	10.633	1451	1453	1461	rVB2	35093	62876	2.63%	0.289%
22	11.104	1530	1533	1538	rVB2	39018	52880	2.21%	0.243%
23	11.204	1546	1550	1552	rBV	541792	599812	25.09%	2.760%
24	11.227	1552	1554	1560	rVV	616507	621550	26.00%	2.860%
25	11.280	1560	1563	1568	rVB	86873	111926	4.68%	0.515%
26	11.704	1632	1635	1637	rBV	83839	84330	3.53%	0.388%
27	11.733	1637	1640	1645	rVV2	145099	193815	8.11%	0.892%
28	11.810	1650	1653	1656	rBV	123568	144262	6.04%	0.664%
29	12.145	1707	1710	1713	rVB	113024	95058	3.98%	0.437%
30	12.251	1726	1728	1733	rBV2	77569	134295	5.62%	0.618%
31	12.410	1752	1755	1759	rBV	706256	697331	29.17%	3.208%
32	12.451	1760	1762	1766	rVB2	81470	74389	3.11%	0.342%
33	12.639	1788	1794	1797	rBV	663773	791259	33.10%	3.641%
34	12.780	1815	1818	1826	rVB	1372059	1421612	59.47%	6.541%

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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 >
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35	13.827	1992	1996	1999	rBV2	504530	790073	33.05%	3.635%
36	15.233	2232	2235	2238	rBV	229632	355907	14.89%	1.638%

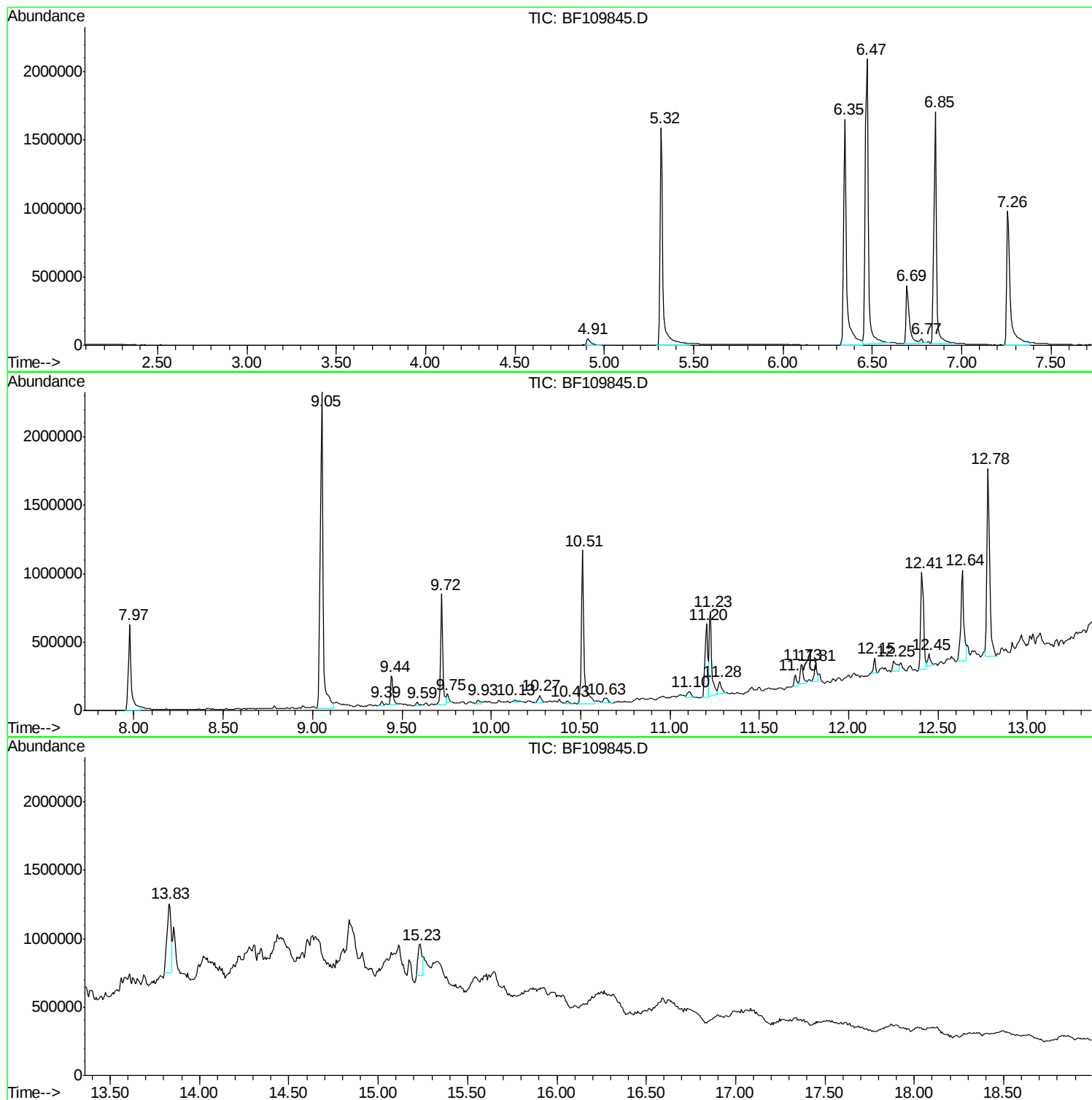
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF100818.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



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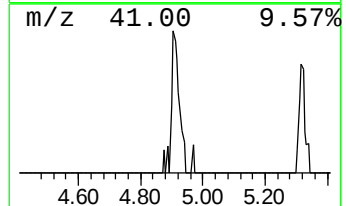
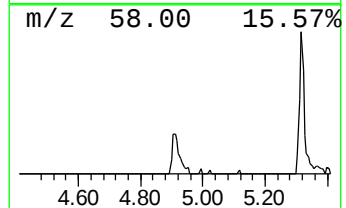
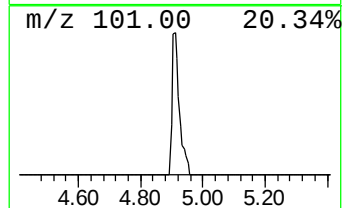
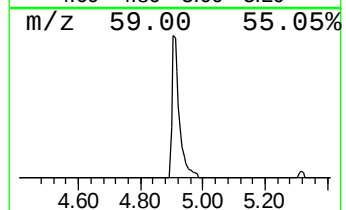
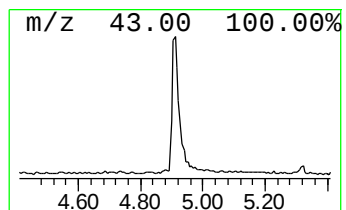
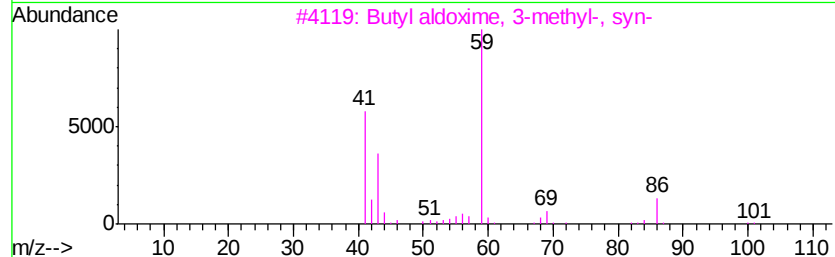
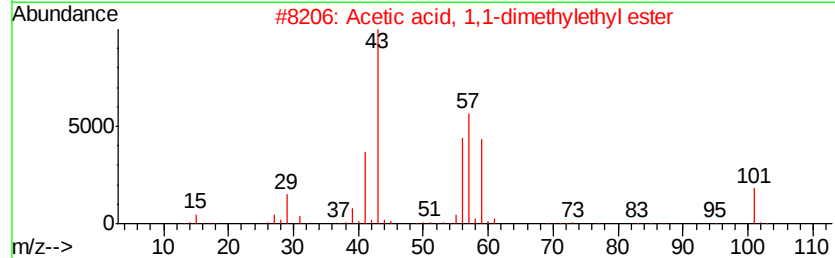
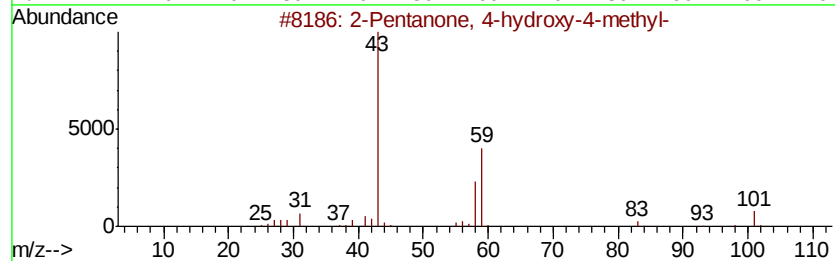
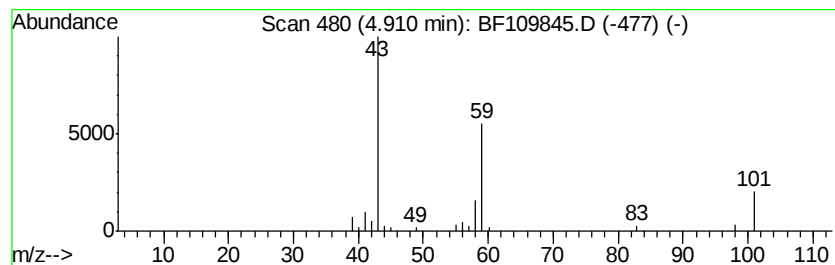
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TIC Library : C:\DATABASE\NIST11.L
 TIC Integration Parameters: LSCINT.P

 Peak Number 1 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.91	2.78 ng	72385	1,4-Dichlorobenzene-d4	6.69

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	53
2			Acetic acid, 1,1-dimethylethyl e...	116	C6H12O2	000540-88-5	39
3			Butyl aldoxime, 3-methyl-, syn-	101	C5H11NO	005780-40-5	17
4			2,3-Butanedione, monooxime	101	C4H7NO2	000057-71-6	9
5			Ethanone, 1-(2-methylcyclopropyl)-	98	C6H10O	000930-56-3	9



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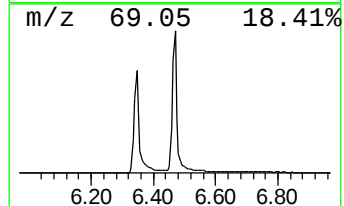
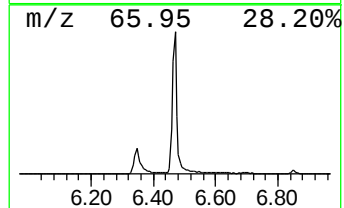
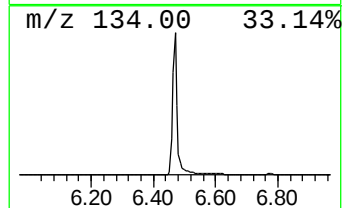
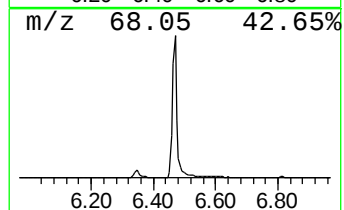
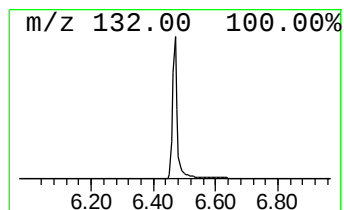
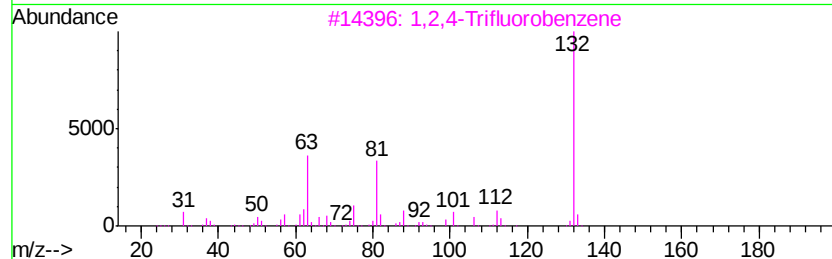
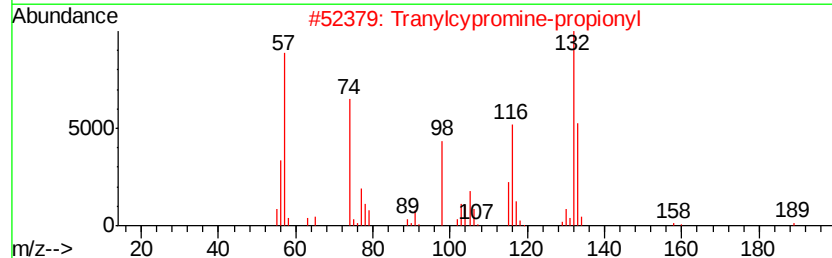
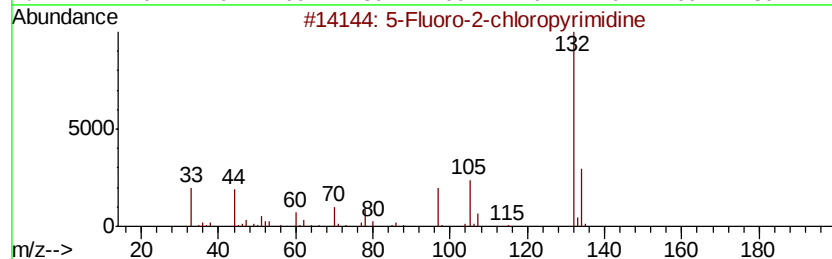
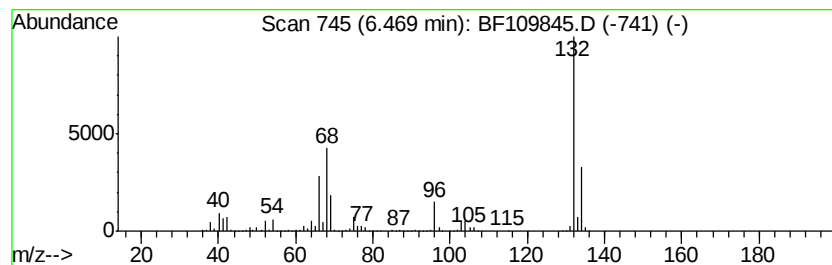
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 2 unknown6.47 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.47	85.94 ng	2237090	1,4-Dichlorobenzene-d4	6.69

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	5-Fluoro-2-chloropyrimidine	132	C4H2ClFN2	062802-42-0	16
2		Tranylcypromine-propionyl	189	C12H15NO	1000123-86-3	10
3		1,2,4-Trifluorobenzene	132	C6H3F3	000367-23-7	9
4		1,3,5-Trifluorobenzene	132	C6H3F3	000372-38-3	9
5		Bicyclo[4.2.0]octa-1,3,5-triene,...	132	C10H12	028749-81-7	9



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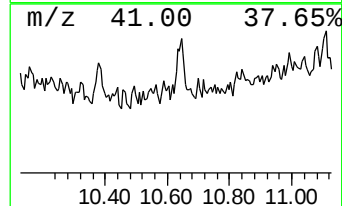
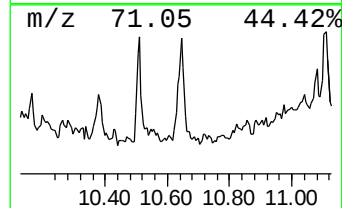
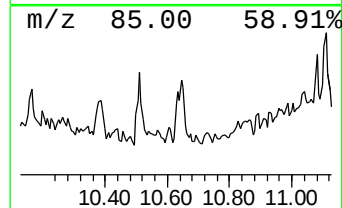
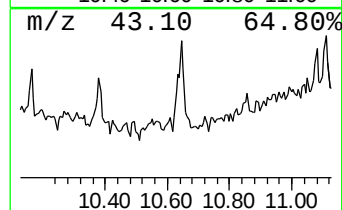
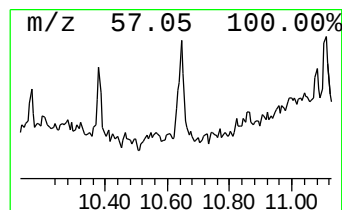
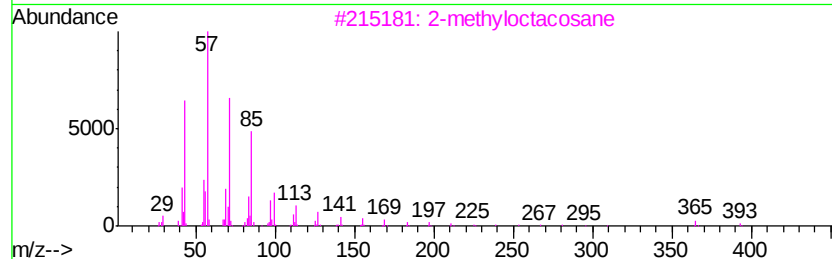
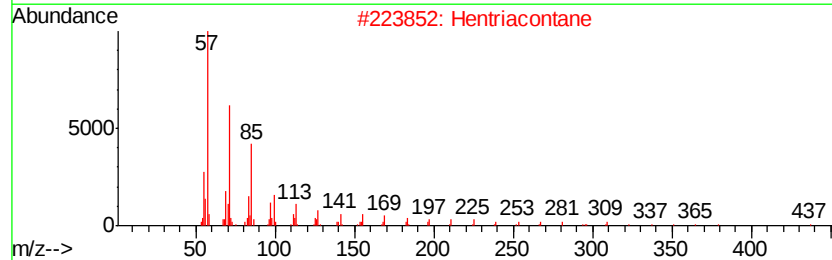
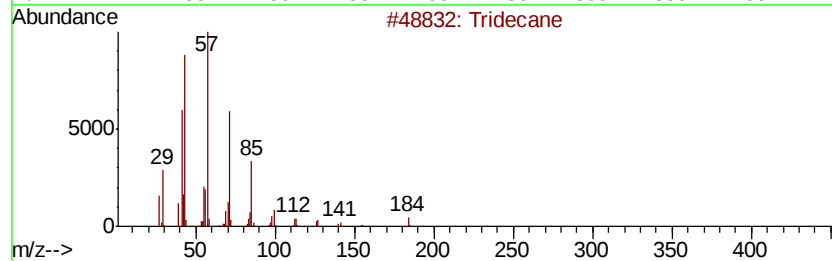
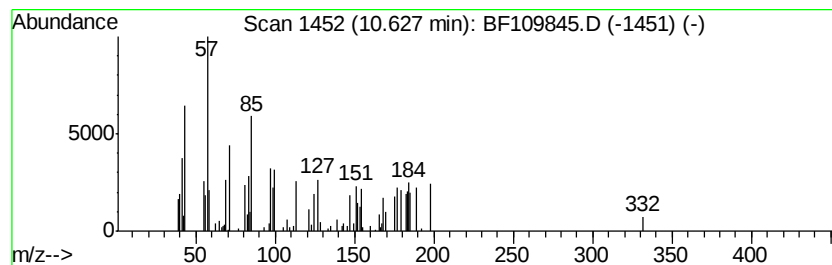
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TIC Library : C:\DATABASE\NIST11.L
 TIC Integration Parameters: LSCINT.P

 Peak Number 4 unknown10.63 Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.63	2.10 ng	62876	Phenanthrene-d10	11.20

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Tridecane	184	C13H28	000629-50-5	49
2		Hentriacontane	437	C31H64	000630-04-6	46
3		2-methyloctacosane	408	C29H60	1000376-72-8	46
4		Tetradecane	198	C14H30	000629-59-4	45
5		Heptacosane	380	C27H56	000593-49-7	43



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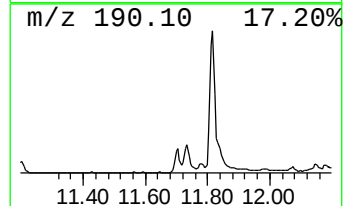
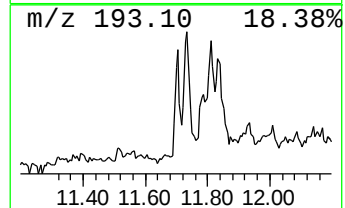
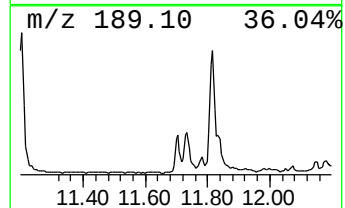
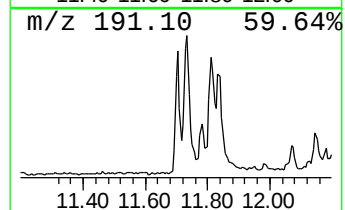
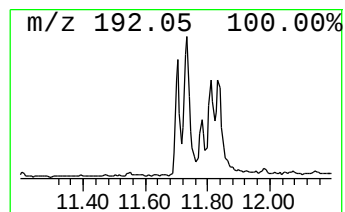
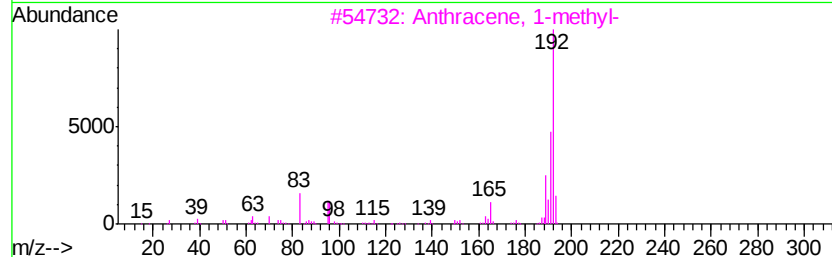
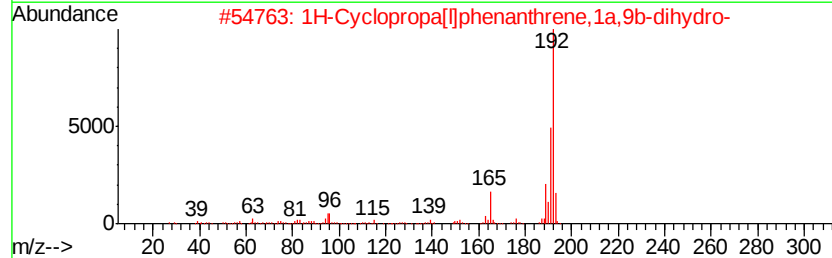
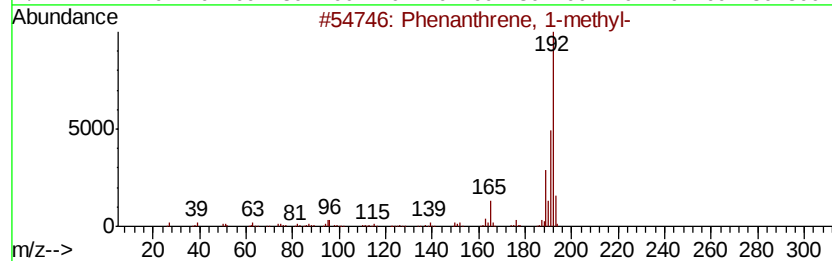
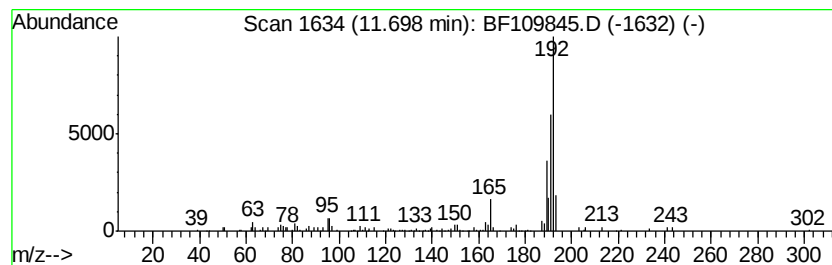
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 5 Phenanthrene, 1-methyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.	
11.70	2.81 ng	84330	Phenanthrene-d10	11.20	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	91
2	1H-Cyclopropa[1]phenanthrene,1a,...	192	C15H12	000949-41-7	91
3	Anthracene, 1-methyl-	192	C15H12	000610-48-0	91
4	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	91
5	Anthracene, 2-methyl-	192	C15H12	000613-12-7	91



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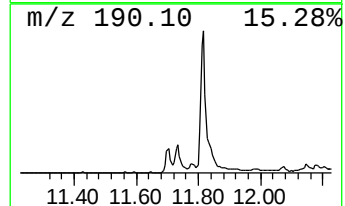
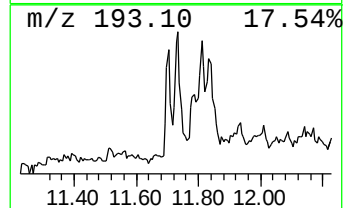
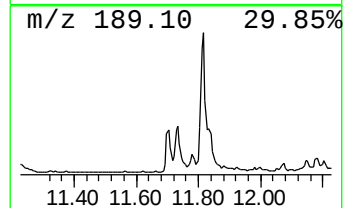
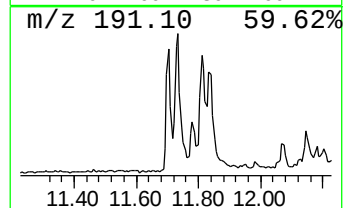
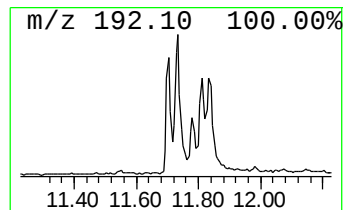
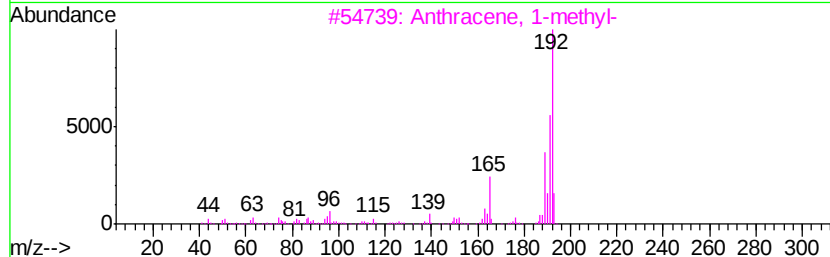
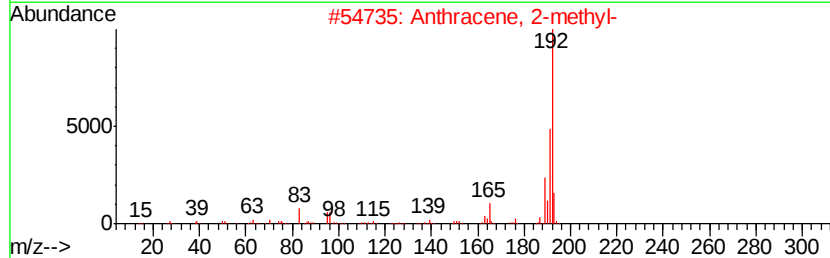
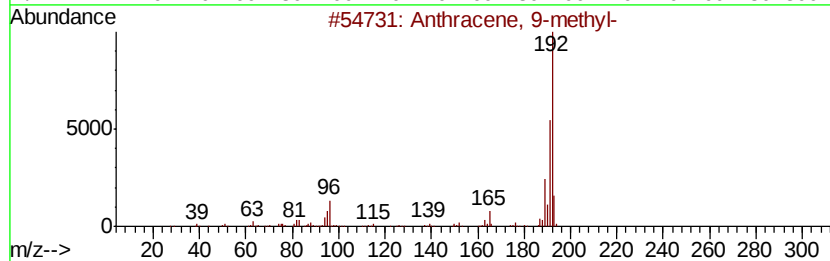
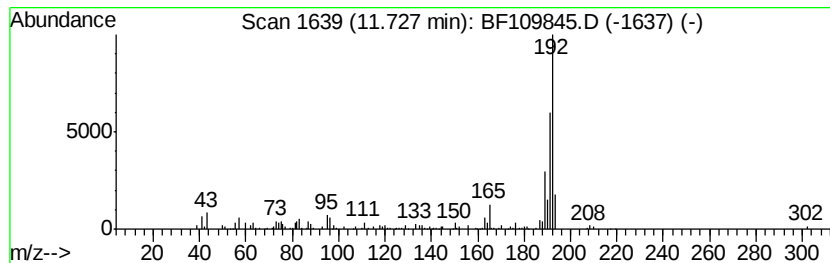
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 6 Anthracene, 9-methyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.73	6.46 ng	193815	Phenanthrene-d10	11.20

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		Anthracene, 9-methyl-	192	C15H12	000779-02-2	93
2		Anthracene, 2-methyl-	192	C15H12	000613-12-7	92
3		Anthracene, 1-methyl-	192	C15H12	000610-48-0	91
4		Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	91
5		Phenanthrene, 3-methyl-	192	C15H12	000832-71-3	90



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF101218\
Data File : BF109845.D
Acq On : 12 Oct 2018 20:29
Operator : JU/SJ
Sample : J5395-01
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PH-SOIL

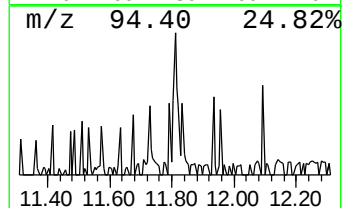
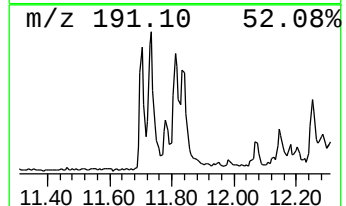
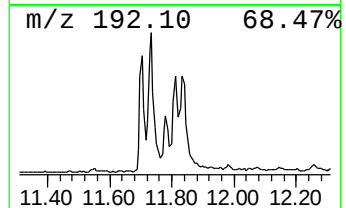
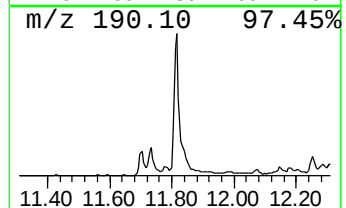
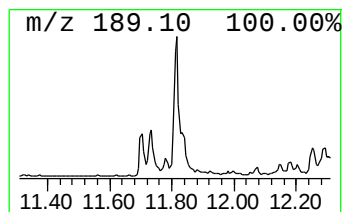
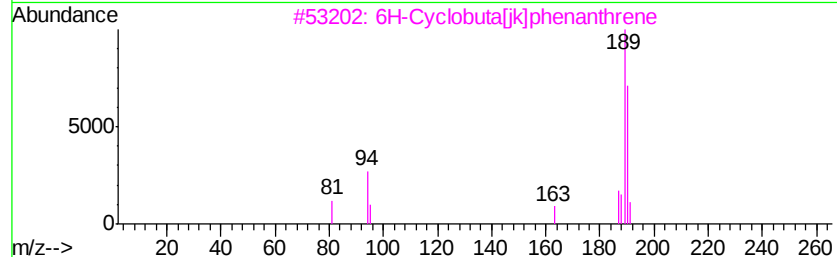
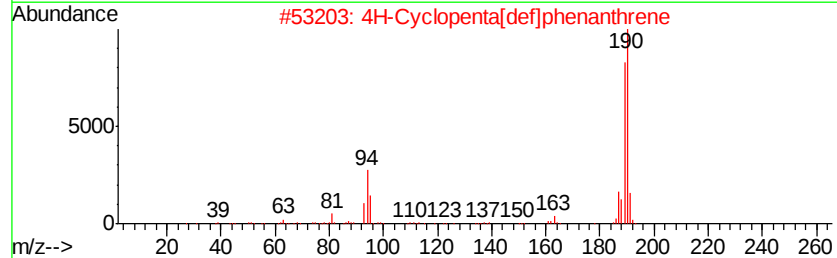
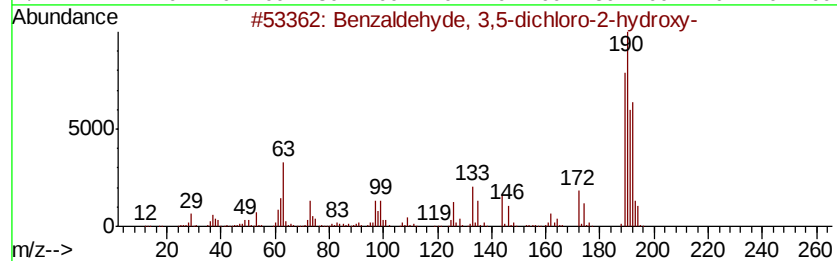
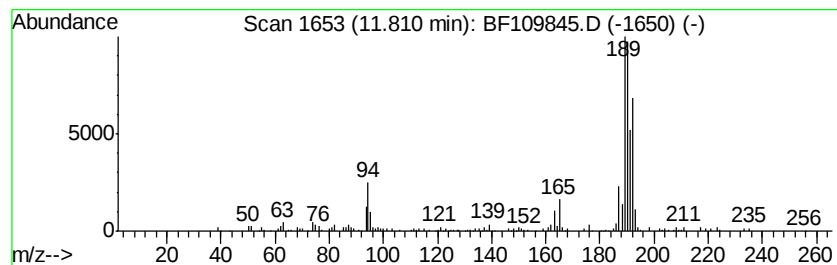
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 7 Benzaldehyde, 3,5-dichloro-... Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.81	4.81 ng	144262	Phenanthrene-d10	11.20

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzaldehyd, 3,5-dichloro-2-hyd...	190	C7H4Cl2O2	000090-60-8	72
2	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	70
3	6H-Cyclobuta[fik]phenanthrene	190	C15H10	083469-43-6	62
4	8,9-Dihydrocyclopenta[def]phenan...	192	C15H12	027410-55-5	38
5	Naphtho[1,2-b]norbornadiene	192	C15H12	1000210-14-8	35



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Sample : J5395-01
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PH-SOIL

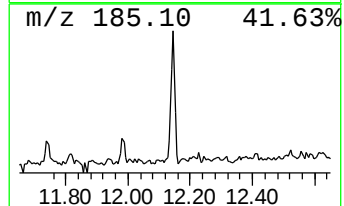
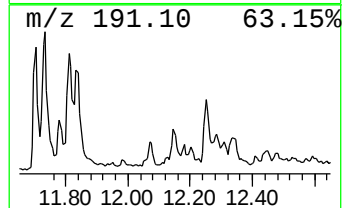
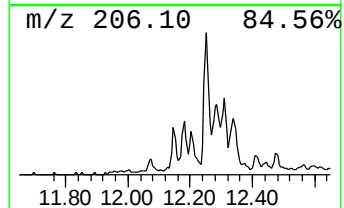
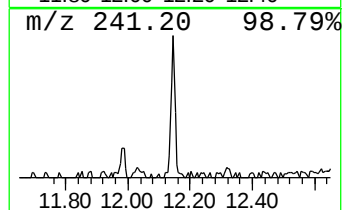
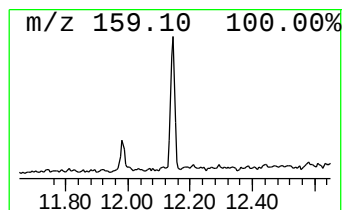
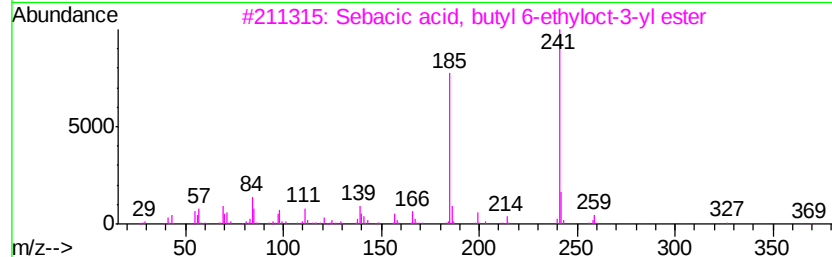
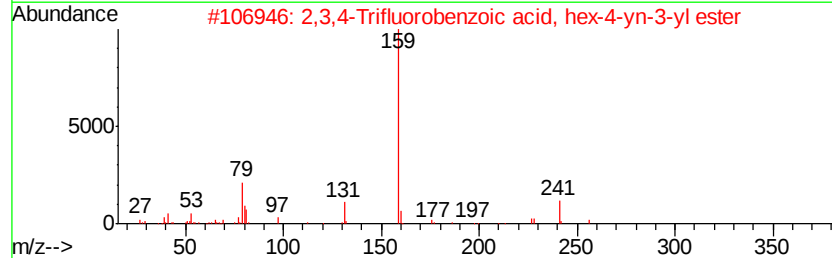
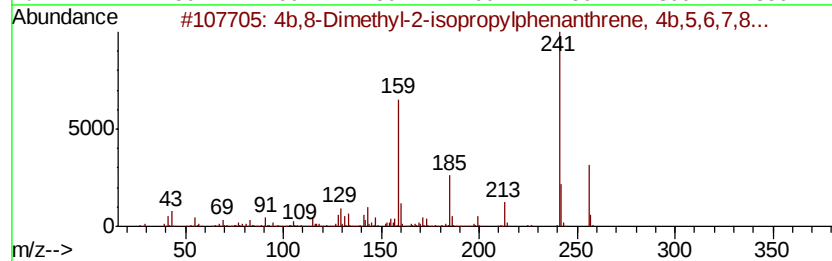
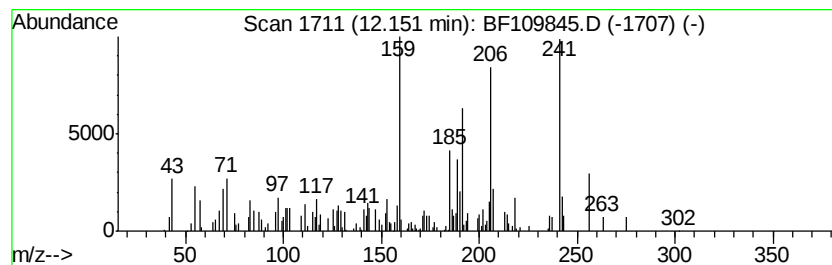
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 8 4b,8-Dimethyl-2-isopropylph... Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.15	3.17 ng	95058	Phenanthrene-d10	11.20

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	4b,8-Dimethyl-2-isopropylphenant...	256	C19H28	1000197-14-1	93
2		2,3,4-Trifluorobenzoic acid, hex...	256	C13H11F3O2	1000292-55-4	43
3		Sebacic acid, butyl 6-ethyloct-3...	398	C24H46O4	1000354-18-4	27
4		Naphthalene, 1,2,3,4-tetrahydro-...	174	C13H18	000475-03-6	25
5		1H-Benz[de]isoquinoline-1,3(2H)-...	241	C14H11NO3	055133-82-9	25



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Sample : J5395-01
Misc :
ALS Vial : 21 Sample Multiplier: 1

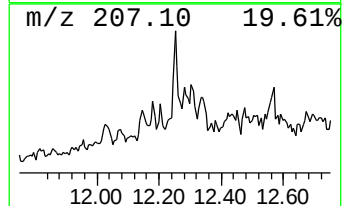
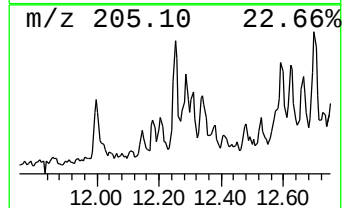
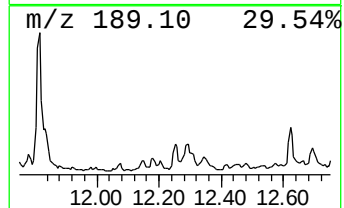
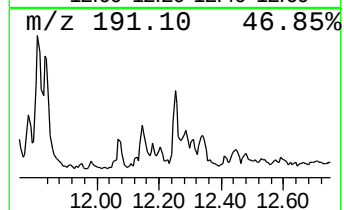
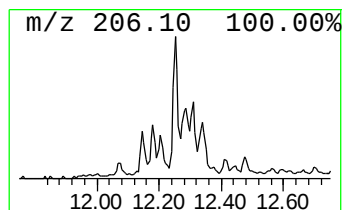
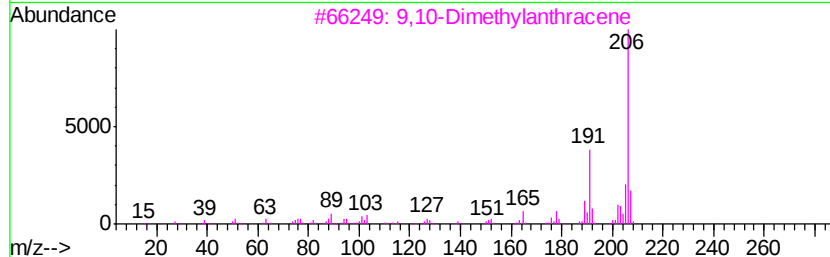
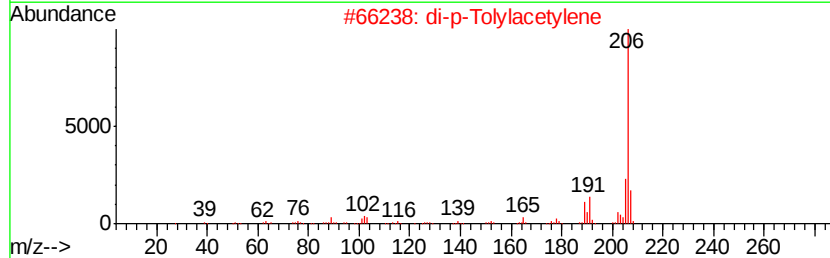
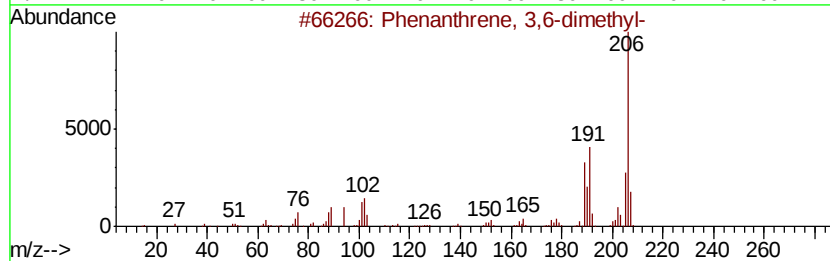
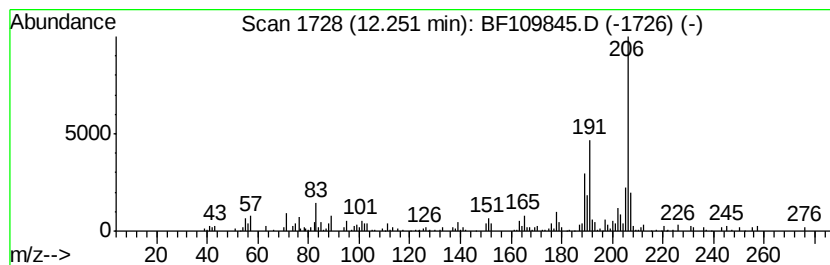
Instrument :
BNA_F
ClientSampleId :
PH-SOIL

Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF100818.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 9 Phenanthrene, 3,6-dimethyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD		R.T.	
12.25	4.48 ng	134295	Phenanthrene-d10		11.20	
Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	93
2		di-p-Tolylacetylvene	206	C16H14	002789-88-0	93
3		9,10-Dimethylanthracene	206	C16H14	000781-43-1	91
4		Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	91
5		Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	87



Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF101218\
Data File : BF109845.D
Acq On : 12 Oct 2018 20:29
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Sample : J5395-01
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PH-SOIL

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF100818.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

TIC Top Hit name	RT	EstConc	Units	Response	--Internal Standard--			
					#	RT	Resp	Conc
2-Pentanone, 4-hy...	4.91	2.8	ng	72385	1	6.69	520595	20.0
unknown6.47	6.47	85.9	ng	2237090	1	6.69	520595	20.0
unknown10.63	10.63	2.1	ng	62876	4	11.20	599812	20.0
Phenanthrene, 1-m...	11.70	2.8	ng	84330	4	11.20	599812	20.0
Anthracene, 9-met...	11.73	6.5	ng	193815	4	11.20	599812	20.0
Benzaldehyde, 3,5...	11.81	4.8	ng	144262	4	11.20	599812	20.0
4b,8-Dimethyl-2-i...	12.15	3.2	ng	95058	4	11.20	599812	20.0
Phenanthrene, 3,6...	12.25	4.5	ng	134295	4	11.20	599812	20.0