

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF072418\
 Data File : BF107630.D
 Acq On : 24 Jul 2018 20:19
 Operator : JU/SJ
 Sample : J4098-03
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 GL-TOPSOIL-03

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-BF072018.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	5.207	484	488	503	rBV	531400	704883	15.20%	1.319%
2	5.607	551	556	579	rVV	2905268	4226718	91.14%	7.907%
3	6.607	721	726	745	rBV	3074743	4344160	93.68%	8.127%
4	6.742	745	749	771	rVB	3921622	4542450	97.95%	8.498%
5	6.966	784	787	804	rBV	1083780	1352313	29.16%	2.530%
6	7.125	808	814	829	rBV2	3463750	4637369	100.00%	8.676%
7	7.530	879	883	900	rBV	2208990	2721169	58.68%	5.091%
8	8.248	1002	1005	1016	rBV	1525241	1730831	37.32%	3.238%
9	8.966	1123	1127	1134	rBV	332648	373992	8.06%	0.700%
10	9.060	1140	1143	1149	rVB	234242	233298	5.03%	0.436%
11	9.324	1181	1188	1197	rBV	4098003	3967831	85.56%	7.423%
12	9.389	1197	1199	1203	rVB3	52535	61322	1.32%	0.115%
13	9.524	1219	1222	1229	rVB	48445	65839	1.42%	0.123%
14	9.595	1229	1234	1238	rBV	124969	172206	3.71%	0.322%
15	9.666	1242	1246	1248	rBV2	188052	213168	4.60%	0.399%
16	9.689	1248	1250	1252	rVV	70047	64271	1.39%	0.120%
17	9.713	1252	1254	1261	rVB	583540	513466	11.07%	0.961%
18	9.783	1264	1266	1267	rBV	63539	48064	1.04%	0.090%
19	9.866	1277	1280	1285	rBV2	82890	97199	2.10%	0.182%
20	9.913	1285	1288	1294	rVB3	46257	56665	1.22%	0.106%
21	10.007	1297	1304	1317	rBV	1560906	1754113	37.83%	3.282%
22	10.119	1318	1323	1326	rVB3	77757	88606	1.91%	0.166%
23	10.207	1335	1338	1341	rBV2	59181	64652	1.39%	0.121%
24	10.248	1342	1345	1349	rVB	49955	58768	1.27%	0.110%
25	10.324	1355	1358	1361	rBV4	43107	56893	1.23%	0.106%
26	10.419	1371	1374	1379	rVB3	53117	69364	1.50%	0.130%
27	10.801	1436	1439	1452	rBV	2126795	2384889	51.43%	4.462%
28	10.907	1452	1457	1466	rVB4	77783	157654	3.40%	0.295%
29	11.148	1495	1498	1502	rBV6	41876	62000	1.34%	0.116%
30	11.342	1528	1531	1534	rBV2	56169	60603	1.31%	0.113%
31	11.436	1543	1547	1550	rBV6	32964	56922	1.23%	0.106%
32	11.507	1555	1559	1561	rVV	1401567	1433636	30.91%	2.682%
33	11.530	1561	1563	1569	rVB2	308046	330207	7.12%	0.618%
34	11.583	1569	1572	1574	rBV	45144	48306	1.04%	0.090%

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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

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 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	11.695	1588	1591	1593	rBV3	50869	46980	1.01%	0.088%
36	11.771	1601	1604	1607	rVB	53911	56582	1.22%	0.106%
37	11.848	1615	1617	1626	rVB5	66937	97059	2.09%	0.182%
38	11.977	1636	1639	1641	rVB2	84552	78326	1.69%	0.147%
39	12.013	1641	1645	1648	rBV	756323	731273	15.77%	1.368%
40	12.118	1660	1663	1665	rBV2	62075	59083	1.27%	0.111%
41	12.189	1673	1675	1684	rVB4	171688	191064	4.12%	0.357%
42	12.624	1747	1749	1751	rBV	82801	76537	1.65%	0.143%
43	12.718	1762	1765	1769	rBV	563030	624142	13.46%	1.168%
44	12.748	1769	1770	1774	rVB	165138	135414	2.92%	0.253%
45	12.795	1776	1778	1785	rVV5	88988	146056	3.15%	0.273%
46	12.954	1800	1805	1809	rBV	498751	559343	12.06%	1.046%
47	13.089	1824	1828	1836	rBV	3142744	2992294	64.53%	5.598%
48	13.518	1898	1901	1905	rBV3	251875	242673	5.23%	0.454%
49	13.636	1919	1921	1924	rVB2	116163	100173	2.16%	0.187%
50	13.965	1974	1977	1981	rBV2	817747	877359	18.92%	1.641%
51	14.154	2005	2009	2012	rBV2	1257138	1435602	30.96%	2.686%
52	14.595	2081	2084	2092	rVB2	1003215	1140207	24.59%	2.133%
53	15.277	2195	2200	2203	rVB	2596056	3089204	66.62%	5.779%
54	15.689	2266	2270	2275	rVB2	569236	881575	19.01%	1.649%
55	16.142	2342	2347	2352	rVB	2006876	3138206	67.67%	5.871%

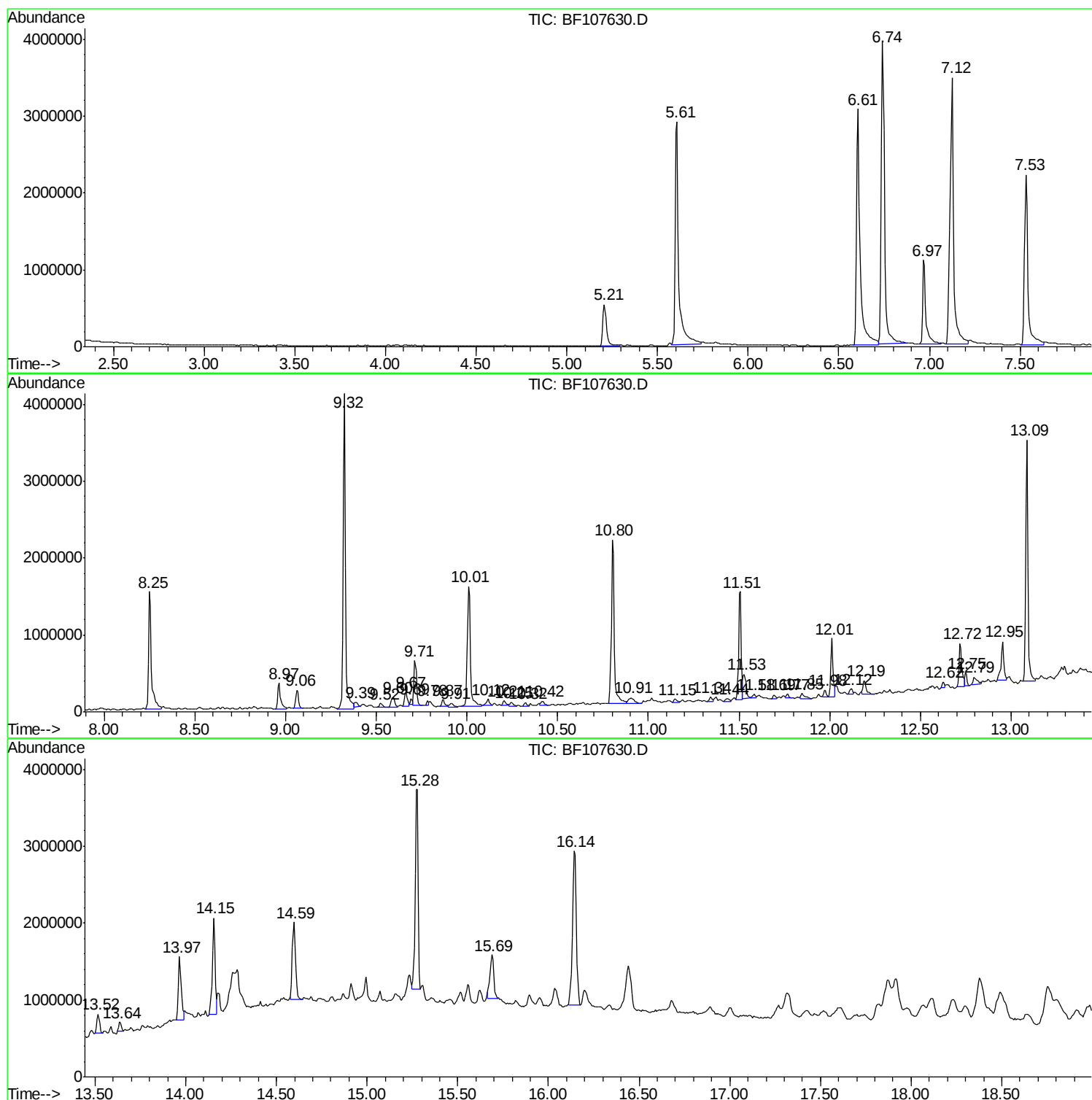
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ClientSampleId :
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF072018.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P



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Instrument :
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ClientSampled :
GL-TOPSOIL-03

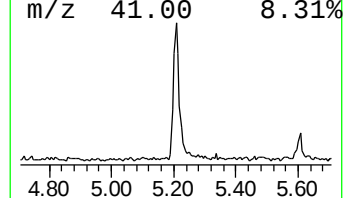
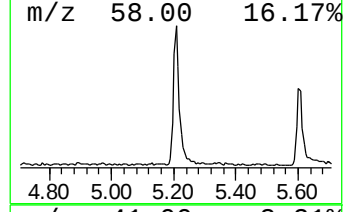
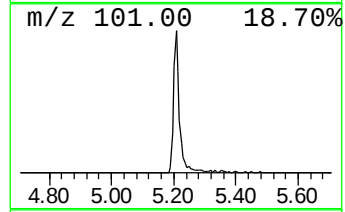
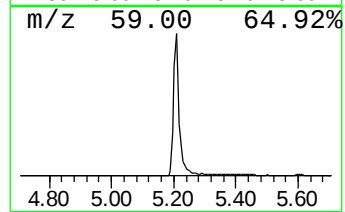
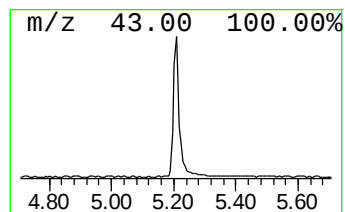
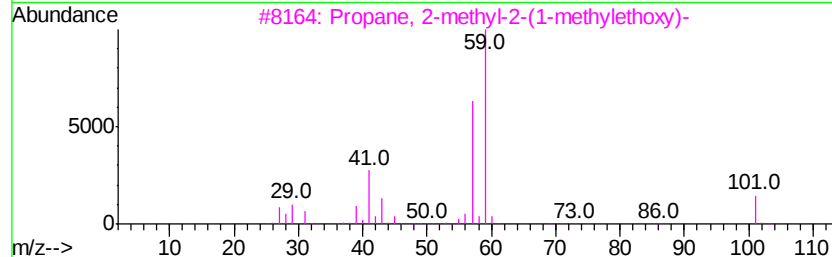
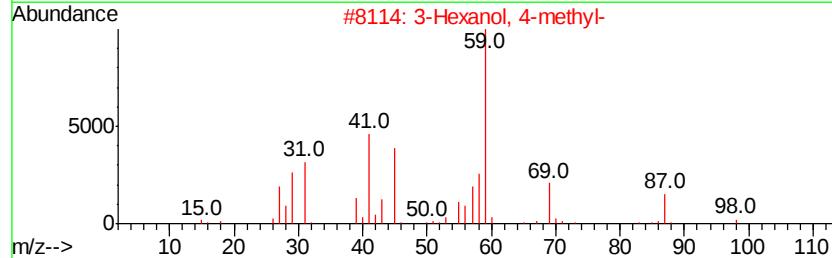
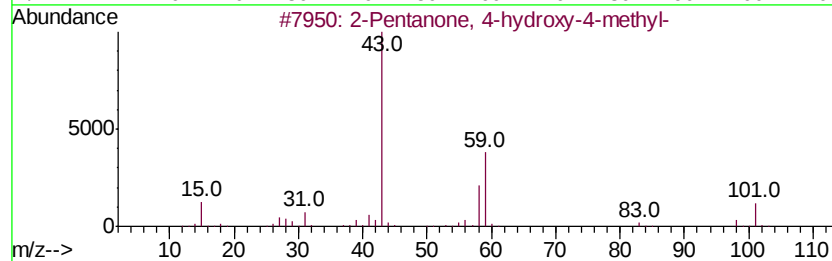
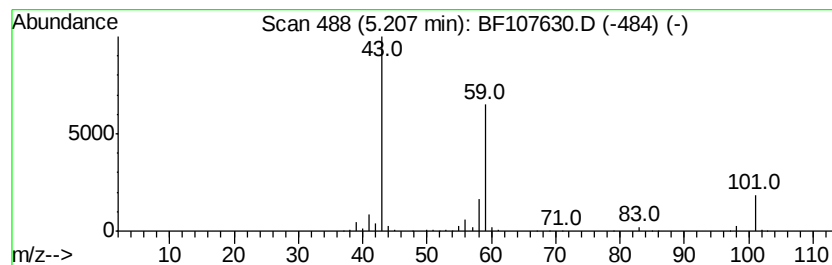
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 1 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.21	10.42 ng	704883	1,4-Dichlorobenzene-d4	6.97

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	45
2			3-Hexanol, 4-methyl-	116	C7H16O	000615-29-2	33
3			Propane, 2-methyl-2-(1-methylethoxy)-	116	C7H16O	017348-59-3	33
4			Acetic acid, cyano-, 1,1-dimethyl-	141	C7H11NO2	001116-98-9	25
5			Guanidine	59	CH5N3	000113-00-8	9



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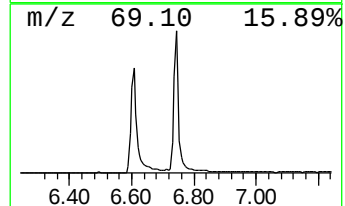
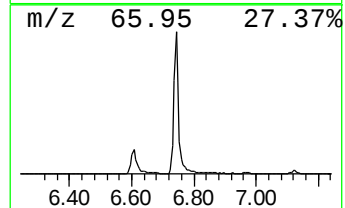
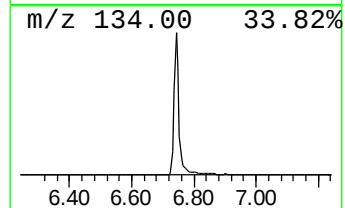
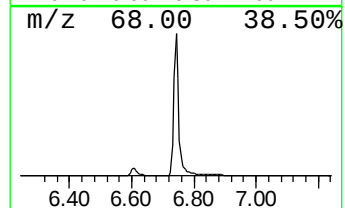
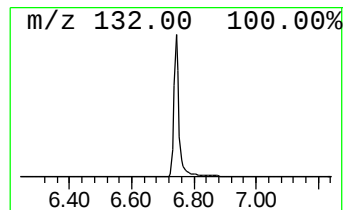
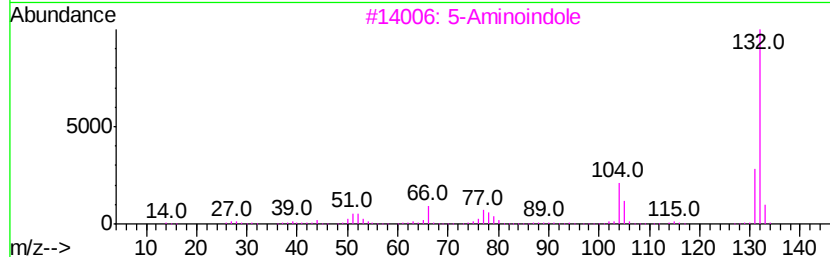
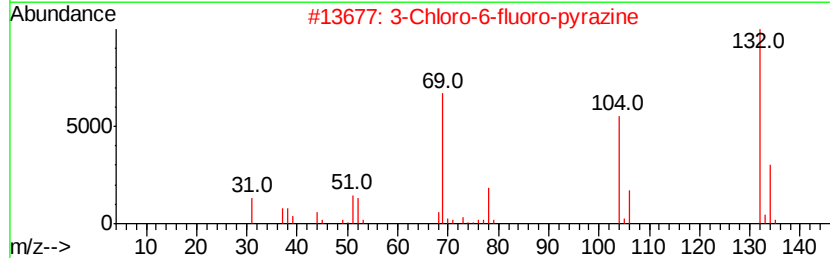
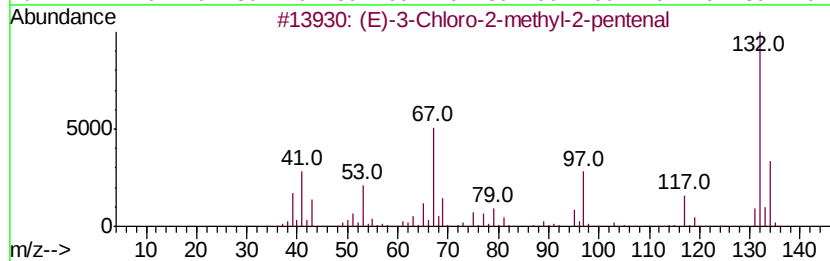
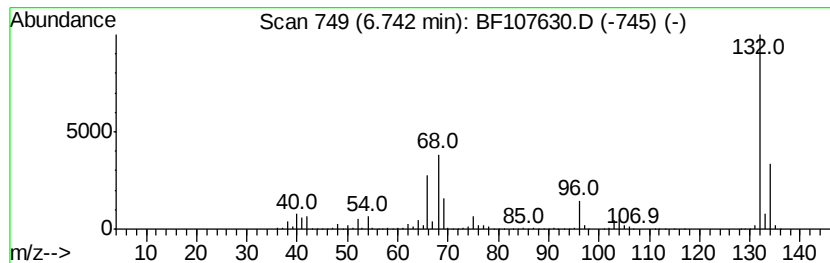
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TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 2 unknown6.74 Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.74	67.18 ng	4542450	1,4-Dichlorobenzene-d4	6.97

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	(E)-3-Chloro-2-methyl-2-pentenal	132	C6H9ClO	031357-76-3	27
2		3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	27
3		5-Aminoindole	132	C8H8N2	005192-03-0	12
4		Tranylcypromine-propionyl	189	C12H15NO	1000123-86-3	10
5		Benzene, 1,3,5-trifluoro-	132	C6H3F3	000372-38-3	9



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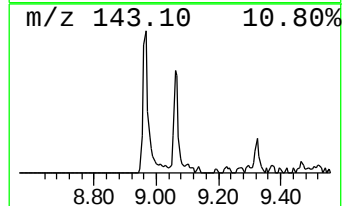
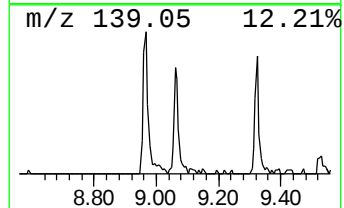
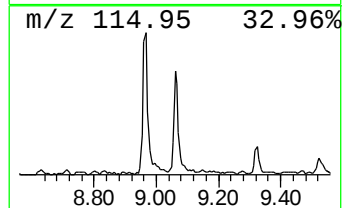
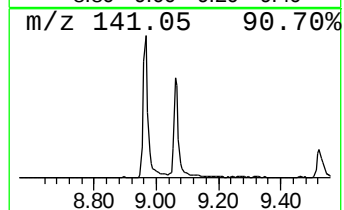
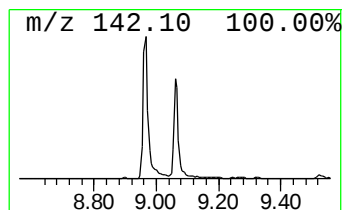
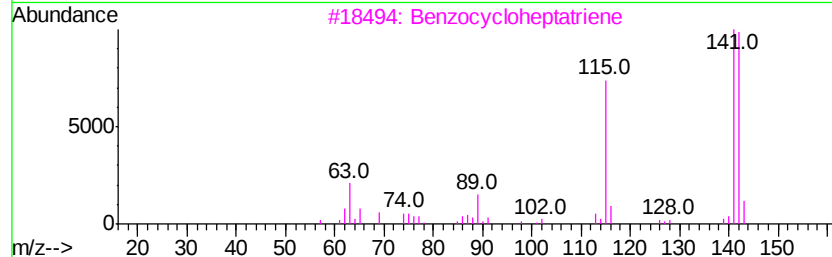
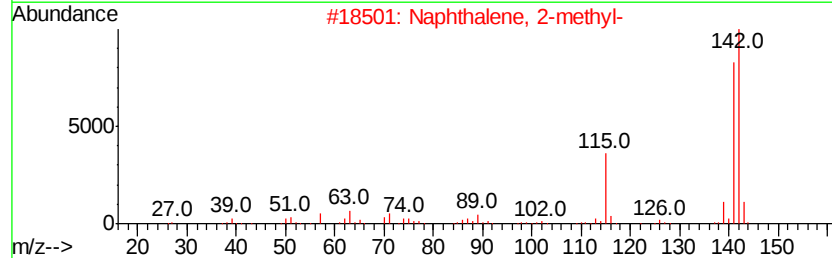
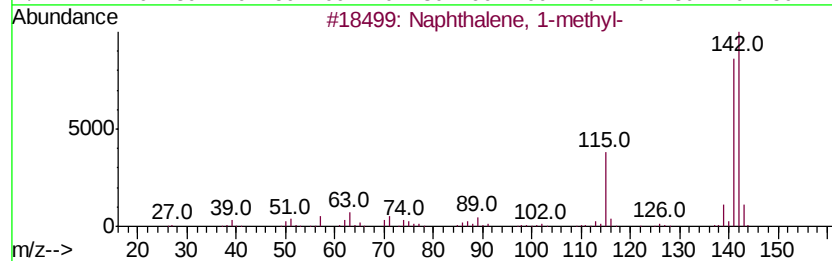
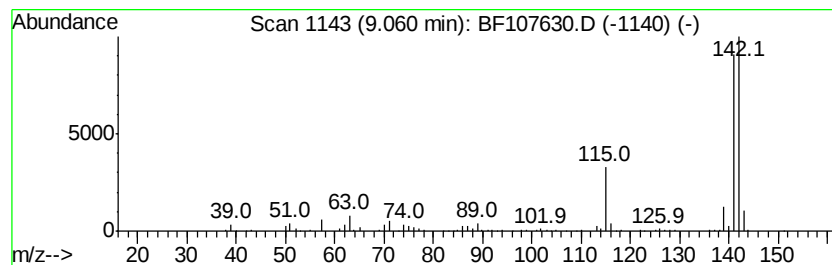
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 3 Naphthalene, 1-methyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.06	2.70 ng	233298	Naphthalene-d8	8.25

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Naphthalene, 1-methyl-	142	C11H10	000090-12-0	96
2		Naphthalene, 2-methyl-	142	C11H10	000091-57-6	96
3		Benzocycloheptatriene	142	C11H10	000264-09-5	91
4		1H-Indene, 1-ethylidene-	142	C11H10	002471-83-2	91
5		1,4-Methanonaphthalene, 1,4-dihy...	142	C11H10	004453-90-1	91



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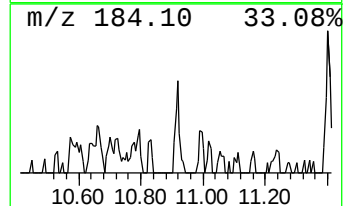
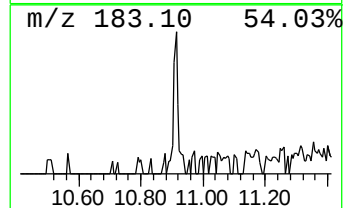
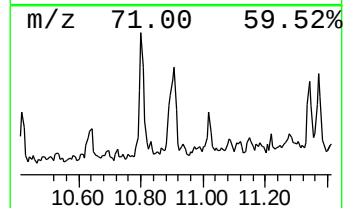
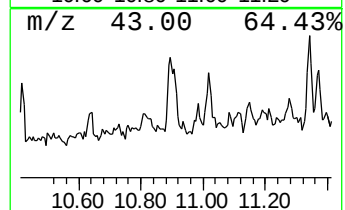
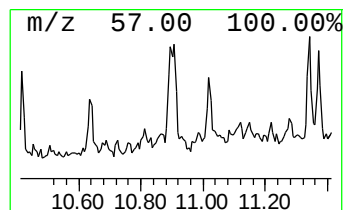
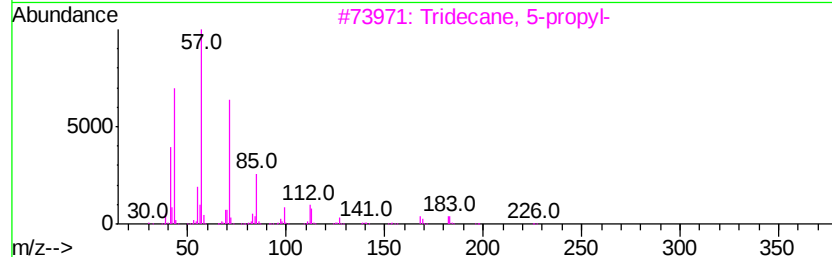
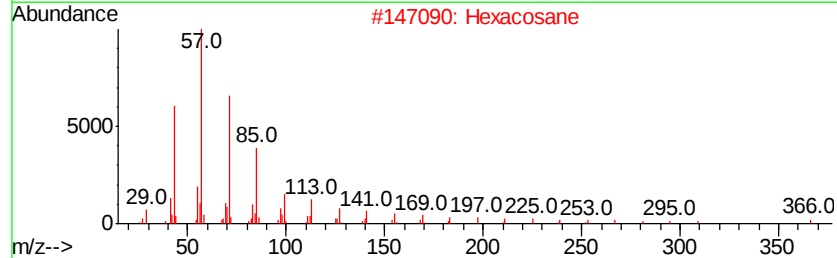
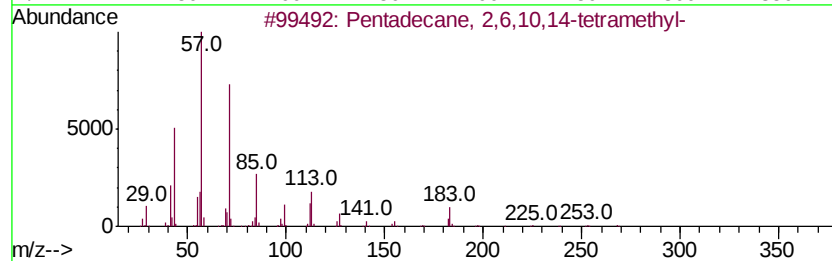
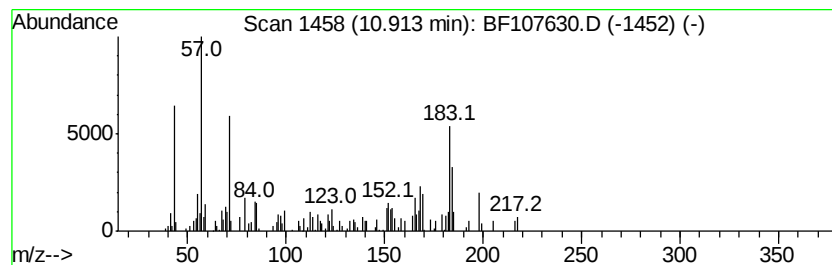
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 4 Pentadecane, 2,6,10,14-tetr... Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.91	2.20 ng	157654	Phenanthrene-d10	11.51

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Pentadecane, 2,6,10,14-tetramethyl-	268	C19H40	001921-70-6	58
2		Hexacosane	366	C26H54	000630-01-3	53
3		Tridecane, 5-propyl-	226	C16H34	055045-11-9	50
4		Decane, 2-methyl-	156	C11H24	006975-98-0	49
5		Tetracosane	338	C24H50	000646-31-1	47



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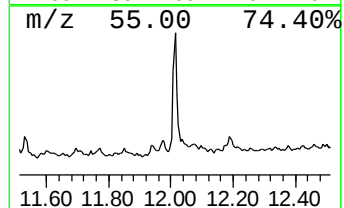
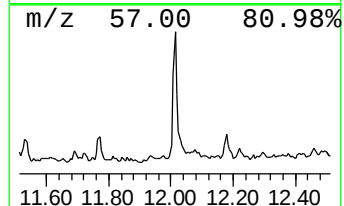
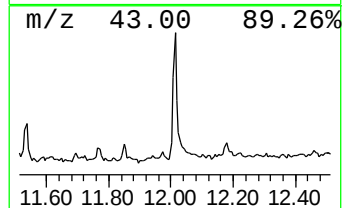
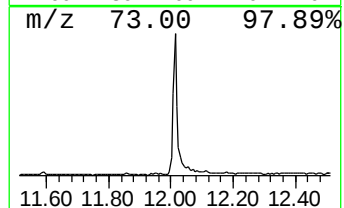
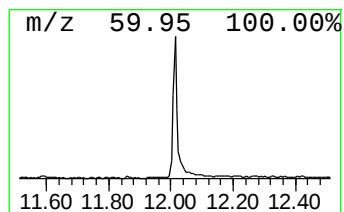
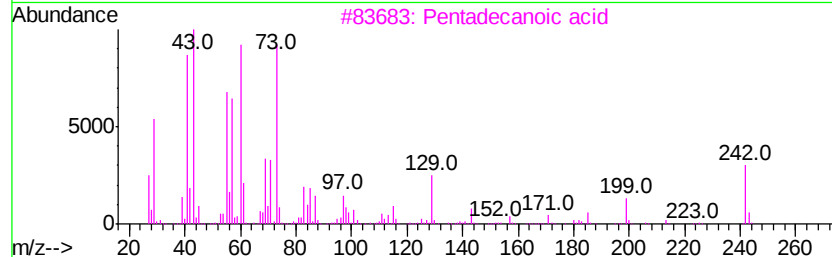
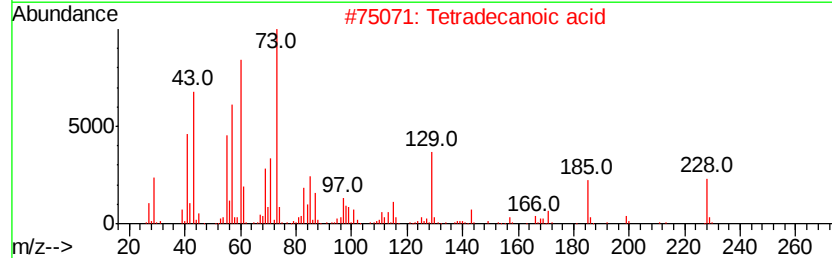
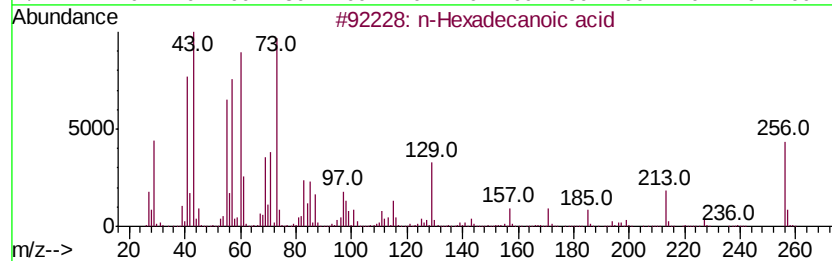
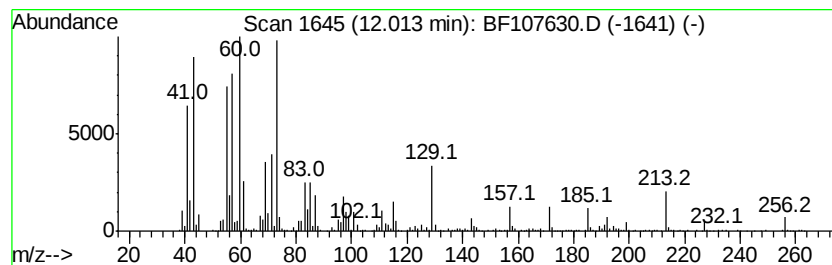
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 5 n-Hexadecanoic acid Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.01	10.20 ng	731273	Phenanthrene-d10	11.51

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		n-Hexadecanoic acid	256	C16H32O2	000057-10-3	93
2		Tetradecanoic acid	228	C14H28O2	000544-63-8	83
3		Pentadecanoic acid	242	C15H30O2	001002-84-2	80
4		n-Decanoic acid	172	C10H20O2	000334-48-5	62
5		Undecanoic acid	186	C11H22O2	000112-37-8	58



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF072418\
Data File : BF107630.D
Acq On : 24 Jul 2018 20:19
Operator : JU/SJ
Sample : J4098-03
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
GL-TOPSOIL-03

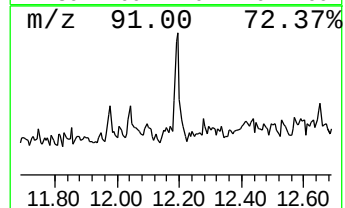
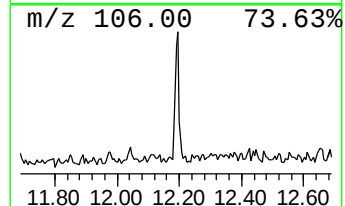
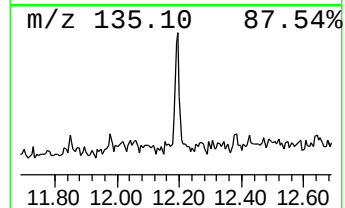
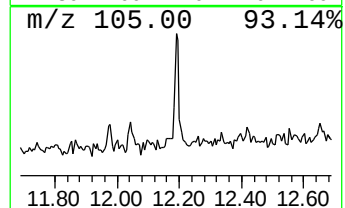
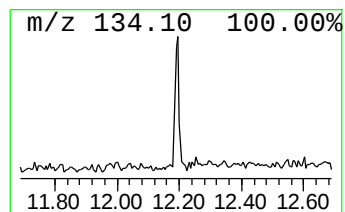
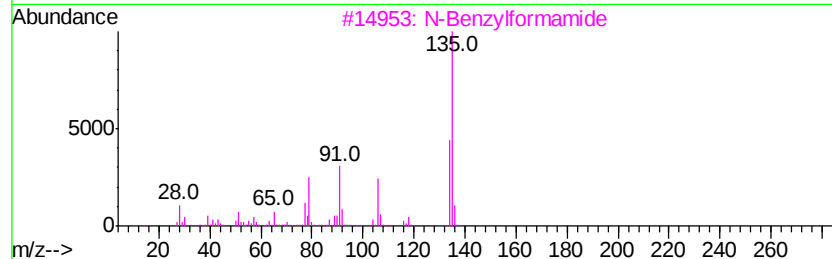
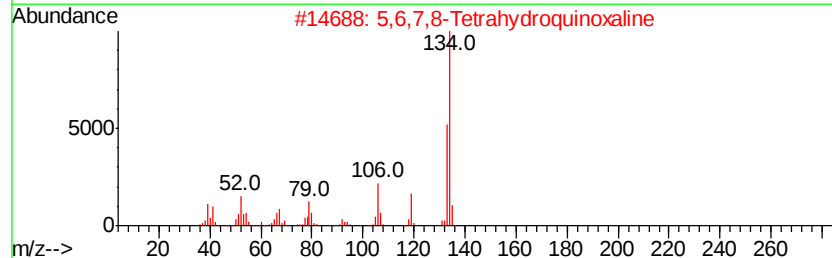
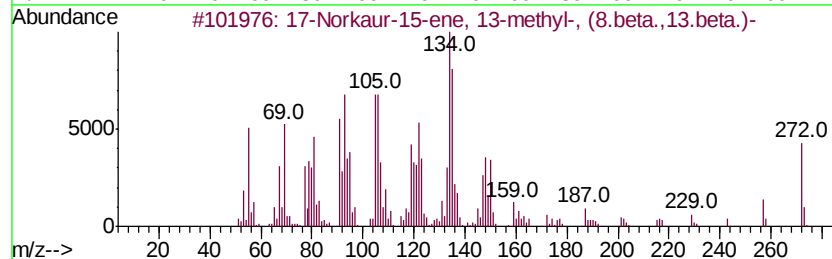
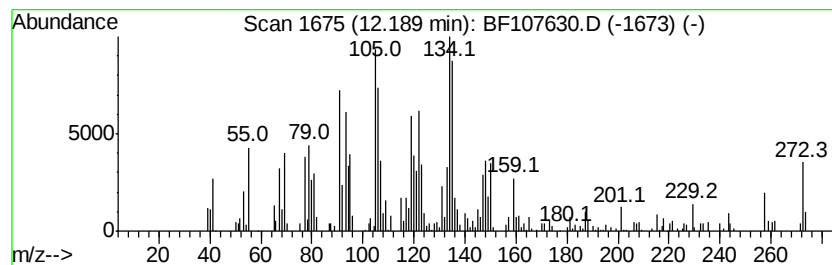
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 6 17-Norkaur-15-ene, 13-methy... Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.19	2.67 ng	191064	Phenanthrene-d10	11.51

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	17-Norkaur-15-ene, 13-methyl-, (...)	272	C20H32	003564-54-3	95
2		5,6,7,8-Tetrahydroquinoxaline	134	C8H10N2	034413-35-9	41
3		N-Benzylformamide	135	C8H9NO	006343-54-0	38
4		Benzenamine, N,N,3-trimethyl-	135	C9H13N	000121-72-2	27
5		4-Methylformanilide	135	C8H9NO	003085-54-9	25



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF072418\
Data File : BF107630.D
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Sample : J4098-03
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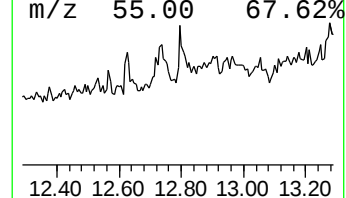
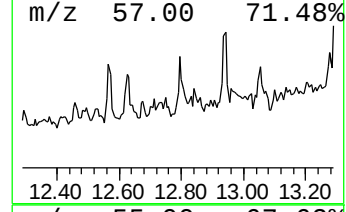
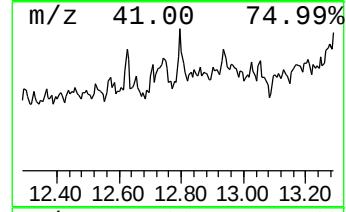
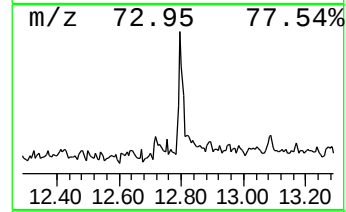
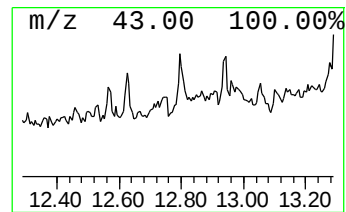
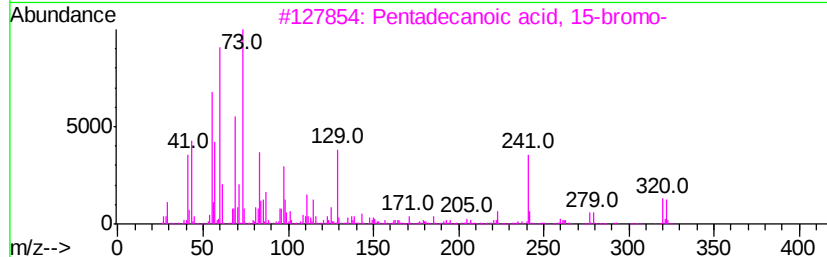
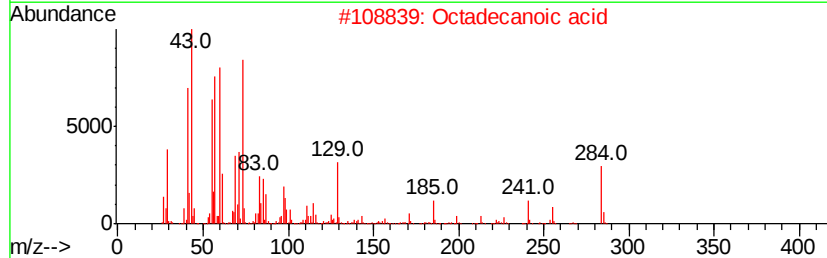
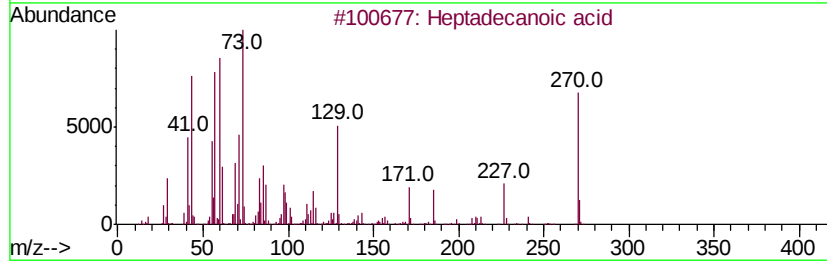
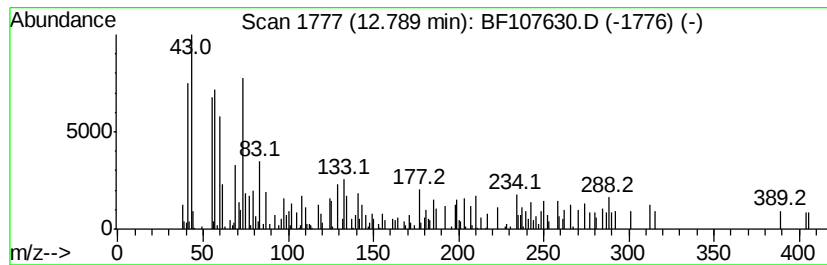
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 7 Heptadecanoic acid Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.79	2.04 ng	146056	Phenanthrene-d10	11.51

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Heptadecanoic acid	270	C17H34O2	000506-12-7	90
2		Octadecanoic acid	284	C18H36O2	000057-11-4	83
3		Pentadecanoic acid, 15-bromo-	320	C15H29BrO2	056523-59-2	59
4		Dodecanoic acid	200	C12H24O2	000143-07-7	58
5		Pentadecanoic acid	242	C15H30O2	001002-84-2	53



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF072418\
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Sample : J4098-03
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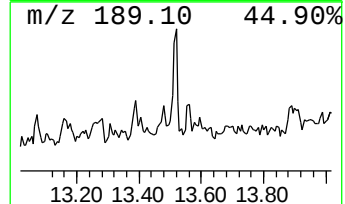
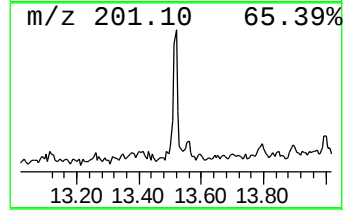
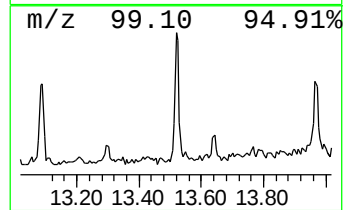
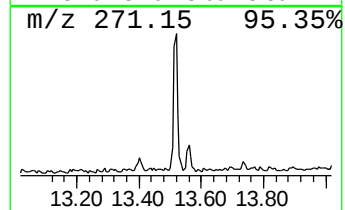
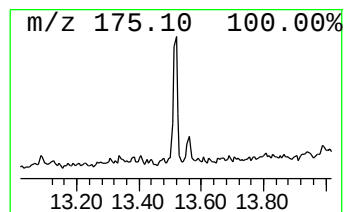
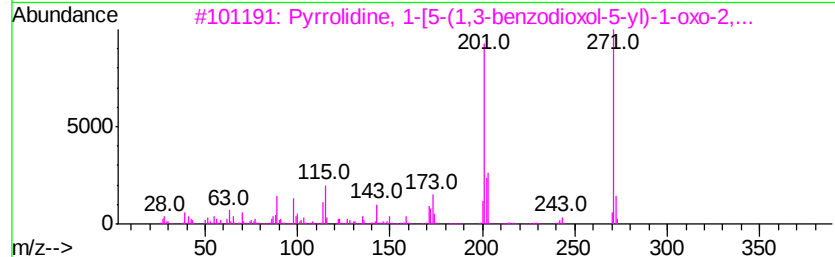
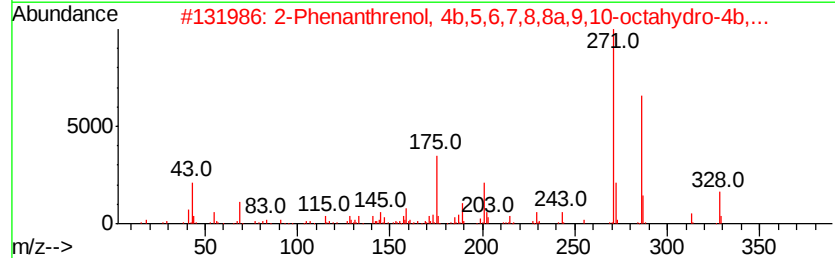
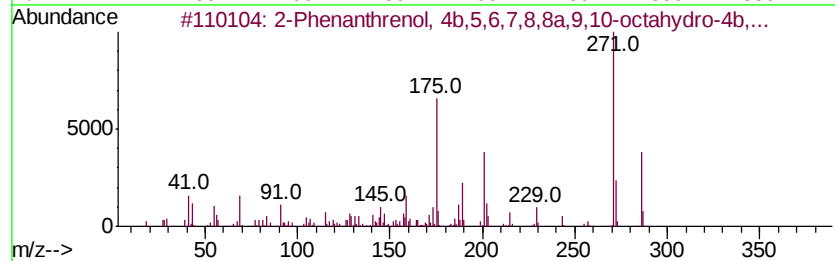
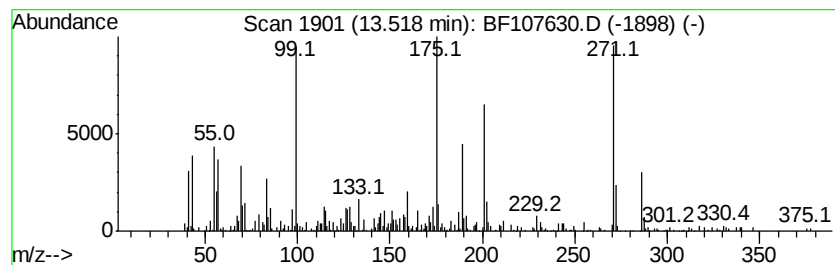
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 8 2-Phenanthrenol, 4b,5,6,7,8... Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.		
13.52	3.38 ng	242673	Chrysene-d12	14.15		
Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Phenanthrenol, 4b,5,6,7,8,8a,9...	286	C20H30O	000511-15-9	64	
2	2-Phenanthrenol, 4b,5,6,7,8,8a,9...	328	C22H32O2	015340-82-6	38	
3	Pyrrolidine, 1-[5-(1,3-benzodiox...	271	C16H17NO3	025924-78-1	30	
4	Methanone, (2-chloro-4,5-difluor...	287	C14H16ClF2NO	1000277-48-2	25	
5	1-Tributylsilyloxyoctane	328	C20H44OSi	1000279-14-6	15	



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF072418\
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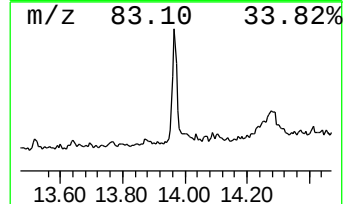
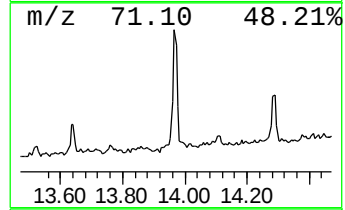
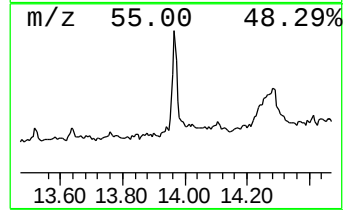
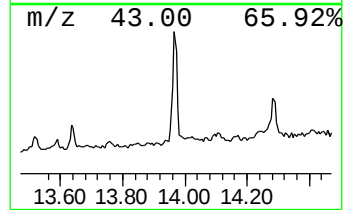
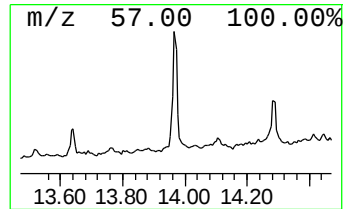
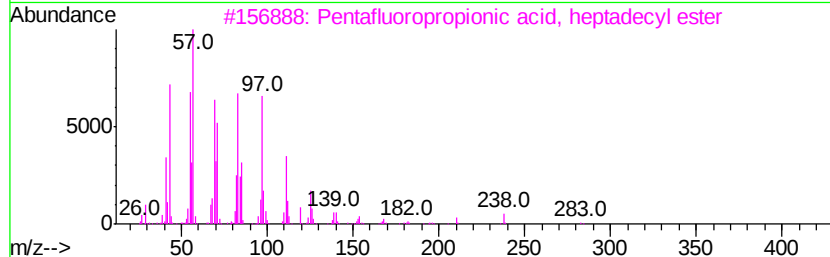
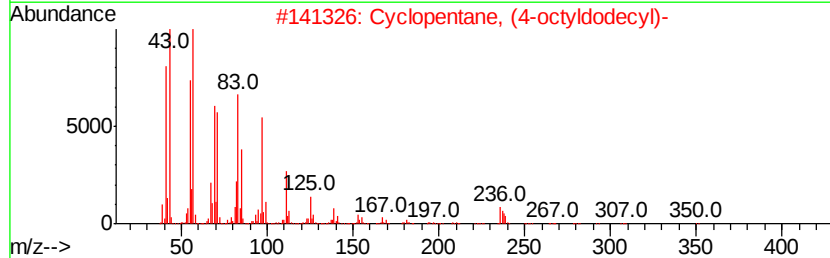
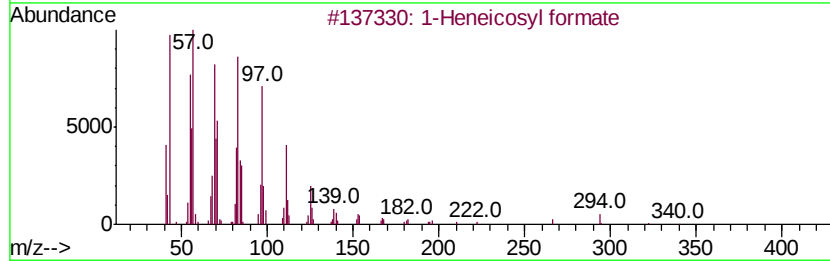
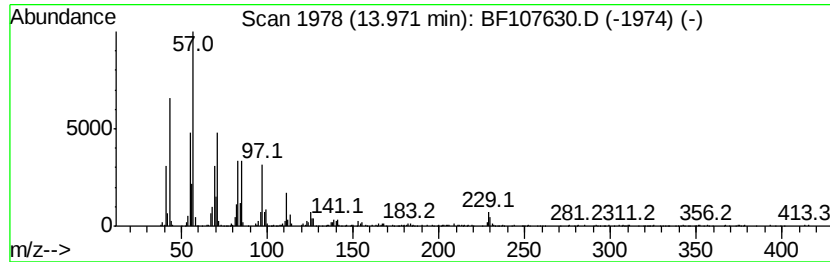
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 9 1-Heneicosyl formate Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.97	12.22 ng	877359	Chrysene-d12	14.15
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1	1-Heneicosyl formate	340 C22H44O2	077899-03-7	93
2	Cyclopentane, (4-octyldodecyl)-	350 C25H50	005638-09-5	90
3	Pentafluoropropionic acid, hepta...	402 C20H35F5O2	1000283-04-2	87
4	Ethanol, 2-(tetradecyloxy)-	258 C16H34O2	002136-70-1	83
5	Cyclotetracosane	336 C24H48	000297-03-0	81



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF072418\
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ClientSampleId :
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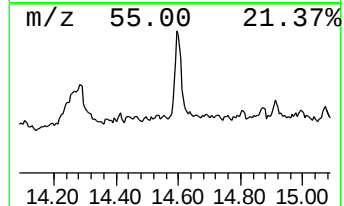
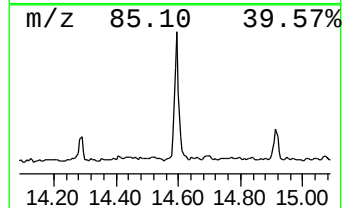
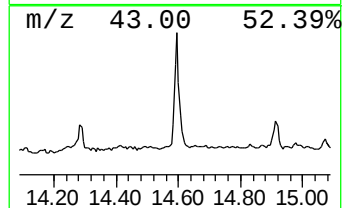
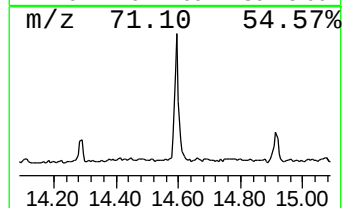
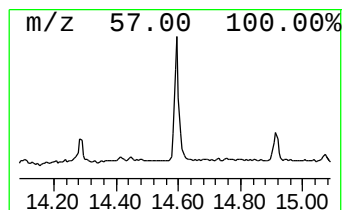
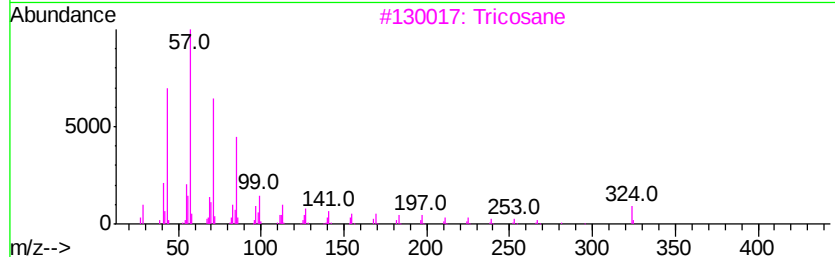
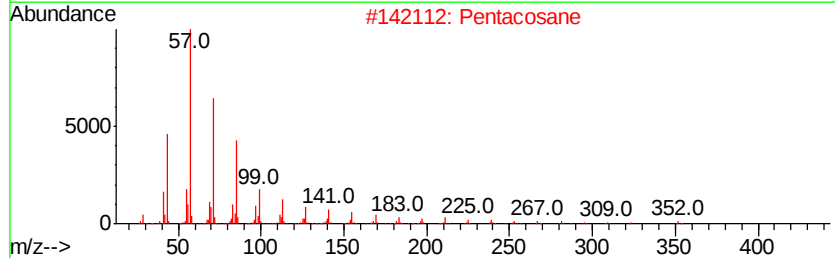
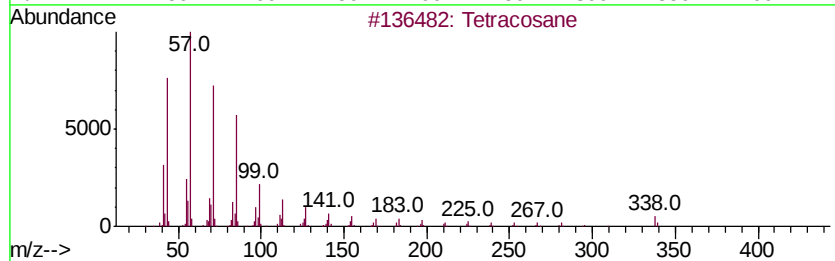
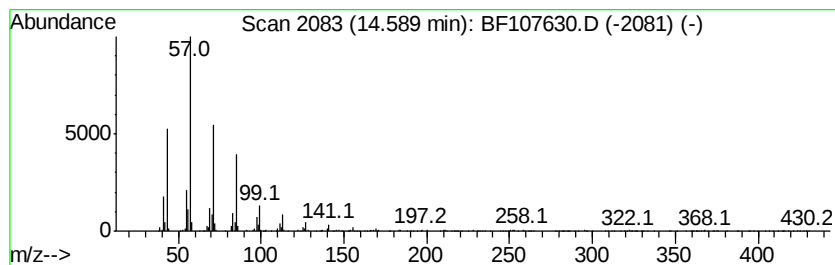
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 10 Tetracosane Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.59	15.88 ng	1140210	Chrysene-d12	14.15

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Tetracosane	338	C24H50	000646-31-1	94
2			Pentacosane	352	C25H52	000629-99-2	94
3			Tricosane	324	C23H48	000638-67-5	93
4			Octacosane	394	C28H58	000630-02-4	91
5			Heptacosane	380	C27H56	000593-49-7	91



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF072418\
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ALS Vial : 19 Sample Multiplier: 1

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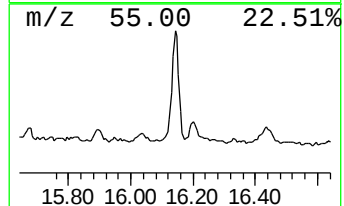
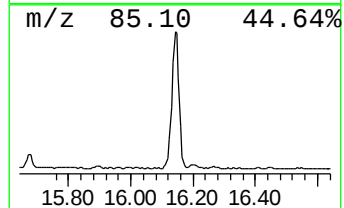
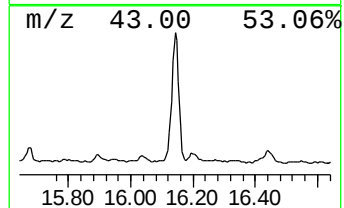
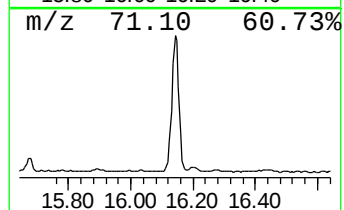
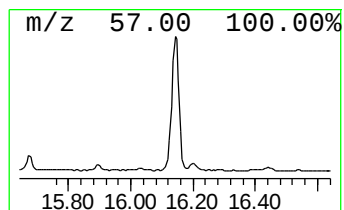
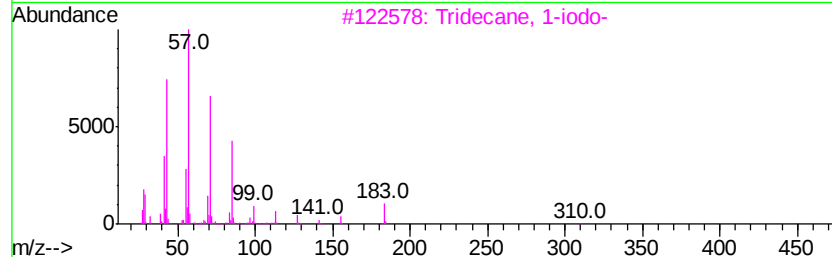
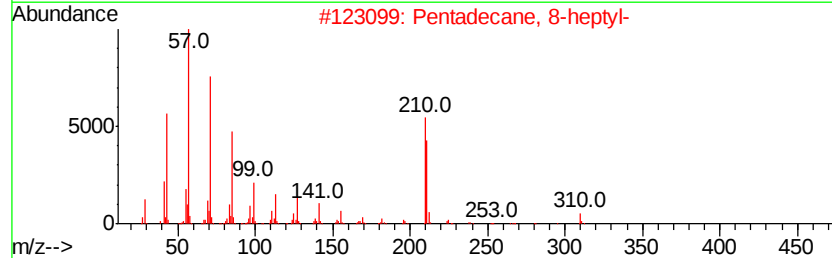
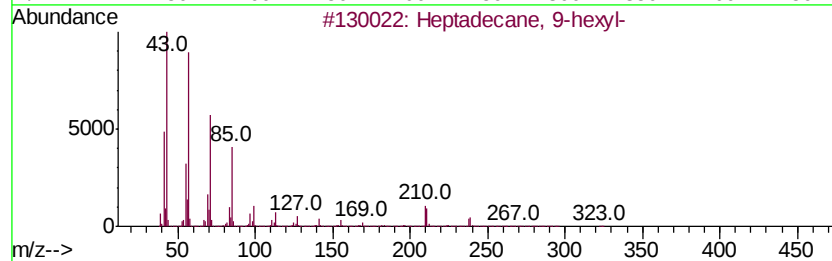
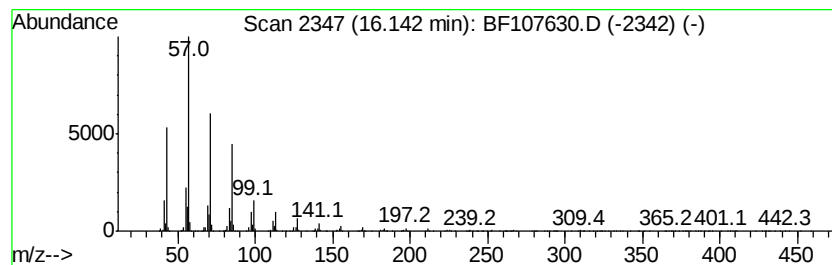
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TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 11 Heptadecane, 9-hexyl- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.14	71.20 ng	3138210	Perylene-d12	15.69

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Heptadecane, 9-hexyl-	324	C23H48	055124-79-3	94
2		Pentadecane, 8-heptyl-	310	C22H46	071005-15-7	94
3		Tridecane, 1-iodo-	310	C13H27I	035599-77-0	93
4		Tricosane	324	C23H48	000638-67-5	91
5		Heneicosane	296	C21H44	000629-94-7	91



Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF072418\
Data File : BF107630.D
Acq On : 24 Jul 2018 20:19
Operator : JU/SJ
Sample : J4098-03
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
GL-TOPSOIL-03

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF072018.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

TIC Top Hit name	RT	EstConc	Units	Response	--Internal Standard--			
					#	RT	Resp	Conc
2-Pentanone, 4-hy...	5.21	10.4	ng	704883	1	6.97	1352310	20.0
unknown6.74	6.74	67.2	ng	4542450	1	6.97	1352310	20.0
Naphthalene, 1-me...	9.06	2.7	ng	233298	2	8.25	1730830	20.0
Pentadecane, 2,6,...	10.91	2.2	ng	157654	4	11.51	1433640	20.0
n-Hexadecanoic acid	12.01	10.2	ng	731273	4	11.51	1433640	20.0
17-Norkaur-15-ene...	12.19	2.7	ng	191064	4	11.51	1433640	20.0
Heptadecanoic acid	12.79	2.0	ng	146056	4	11.51	1433640	20.0
2-Phenanthrenol, ...	13.52	3.4	ng	242673	5	14.15	1435600	20.0
1-Heneicosyl formate	13.97	12.2	ng	877359	5	14.15	1435600	20.0
Tetracosane	14.59	15.9	ng	1140210	5	14.15	1435600	20.0
Heptadecane, 9-he...	16.14	71.2	ng	3138210	6	15.69	881575	20.0