

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF012420\
 Data File : BF118701.D
 Acq On : 24 Jan 2020 22:31
 Operator : CG/JU
 Sample : L1242-10
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 20200063-AMENDED-COMP-1

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-BF012020.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	2.140	3	9	16	rVB	1076263	1433667	10.35%	2.376%
2	5.116	499	515	518	rBV	5822073	13856915	100.00%	22.960%
3	6.481	744	747	758	rBV3	1144953	1337357	9.65%	2.216%
4	6.863	808	812	816	rBV	1715588	1360004	9.81%	2.253%
5	7.022	835	839	842	rVB	4323283	3689490	26.63%	6.113%
6	7.422	902	907	910	rBV	3178221	2822769	20.37%	4.677%
7	7.575	929	933	937	rBV	2590012	2533672	18.28%	4.198%
8	8.145	1026	1030	1033	rBV	2128192	1760704	12.71%	2.917%
9	9.222	1208	1213	1216	rBV	5011662	4605714	33.24%	7.632%
10	9.610	1275	1279	1284	rVB	847070	706841	5.10%	1.171%
11	9.898	1324	1328	1331	rVV	2389712	2073083	14.96%	3.435%
12	10.804	1478	1482	1490	rVB2	523132	601899	4.34%	0.997%
13	11.239	1552	1556	1561	rBV3	235489	330188	2.38%	0.547%
14	11.380	1576	1580	1583	rBV	2163059	1911448	13.79%	3.167%
15	11.404	1583	1584	1587	rVV	309926	193114	1.39%	0.320%
16	11.457	1587	1593	1596	rVB	422419	396170	2.86%	0.656%
17	11.957	1675	1678	1681	rVV	205486	210967	1.52%	0.350%
18	11.998	1681	1685	1693	rVB2	349890	465495	3.36%	0.771%
19	12.174	1710	1715	1724	rVB	231650	312578	2.26%	0.518%
20	12.327	1738	1741	1744	rVB	156831	140550	1.01%	0.233%
21	12.592	1782	1786	1790	rBV	2556017	2329319	16.81%	3.860%
22	12.821	1819	1825	1828	rVV2	1887247	2255982	16.28%	3.738%
23	12.963	1842	1849	1853	rBV	4416419	4082762	29.46%	6.765%
24	13.039	1857	1862	1866	rBV2	116495	203139	1.47%	0.337%
25	13.151	1878	1881	1884	rVB	484755	454272	3.28%	0.753%
26	13.215	1888	1892	1895	rVV	590732	511773	3.69%	0.848%
27	13.251	1895	1898	1901	rVV2	193372	186176	1.34%	0.308%
28	13.768	1982	1986	1988	rBV	161502	168704	1.22%	0.280%
29	13.857	1998	2001	2006	rVB3	236187	301449	2.18%	0.499%
30	14.015	2022	2028	2030	rBV2	1955598	2688668	19.40%	4.455%
31	14.039	2030	2032	2040	rVB	983752	889007	6.42%	1.473%
32	14.121	2043	2046	2050	rVV	244116	233248	1.68%	0.386%
33	14.186	2054	2057	2062	rVV2	99148	145586	1.05%	0.241%
34	14.486	2105	2108	2112	rBV2	201427	244508	1.76%	0.405%

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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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35	14.545	2116	2118	2122	rVB2	168893	158509	1.14%	0.263%
36	14.792	2157	2160	2164	rVB	151825	152489	1.10%	0.253%
37	15.051	2200	2204	2207	rBV	569009	850941	6.14%	1.410%
38	15.133	2214	2218	2220	rBV	198850	224493	1.62%	0.372%
39	15.357	2252	2256	2262	rVB	304185	442143	3.19%	0.733%
40	15.415	2262	2266	2272	rVV	477108	557488	4.02%	0.924%
41	15.480	2272	2277	2280	rVV	1369520	1650947	11.91%	2.736%
42	15.509	2280	2282	2290	rVB	291674	353201	2.55%	0.585%
43	15.951	2353	2357	2362	rVB2	117501	157854	1.14%	0.262%
44	16.939	2520	2525	2531	rBV2	120672	224531	1.62%	0.372%
45	17.380	2596	2600	2607	rVB	79282	141383	1.02%	0.234%

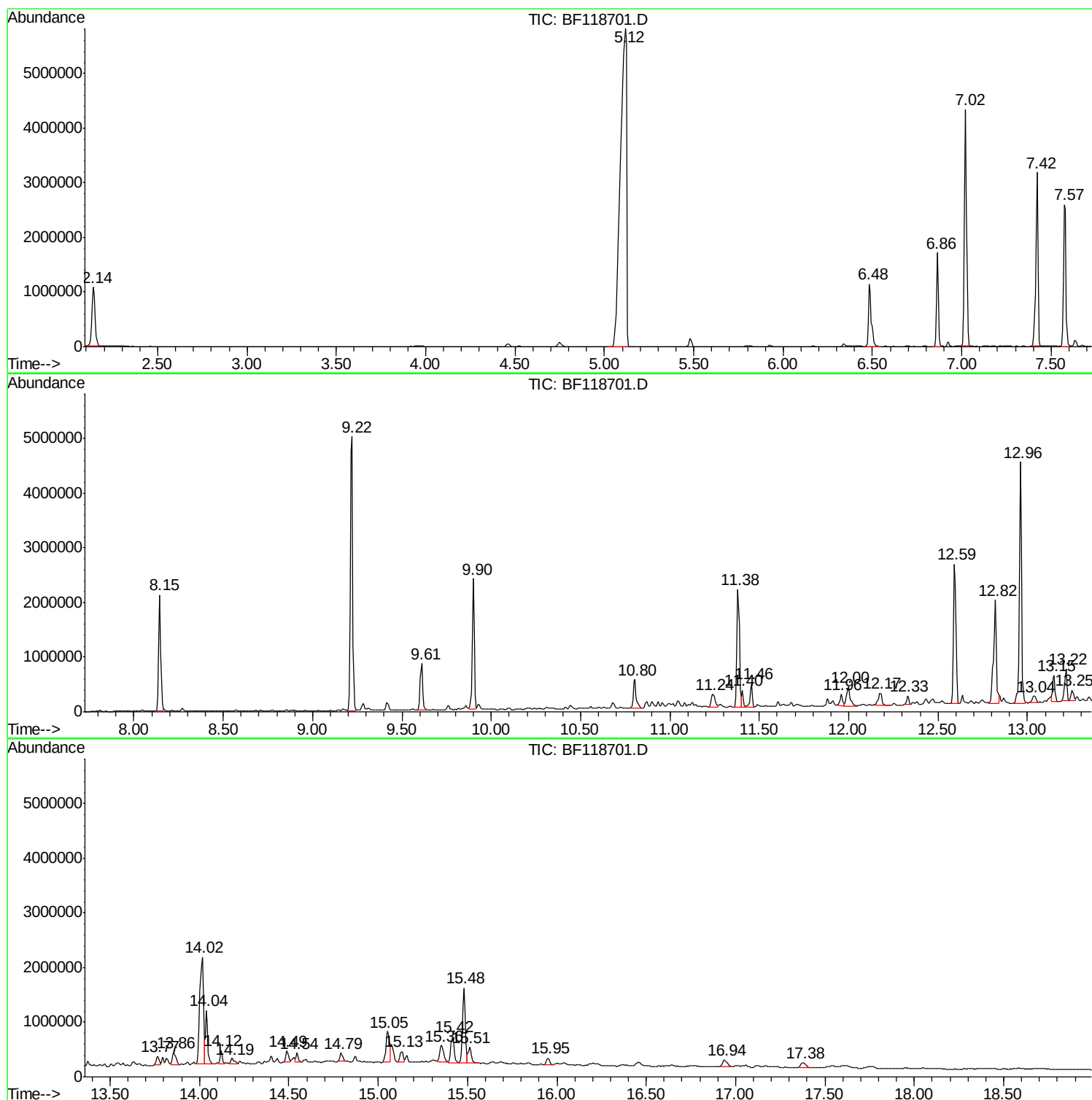
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF012020.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



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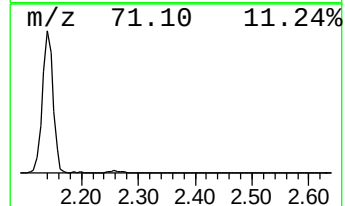
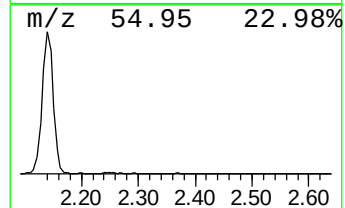
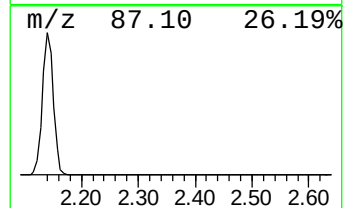
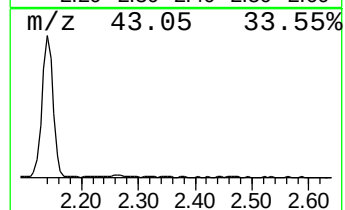
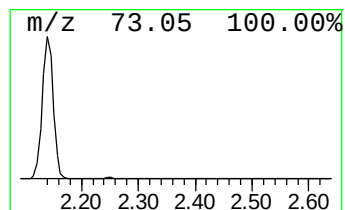
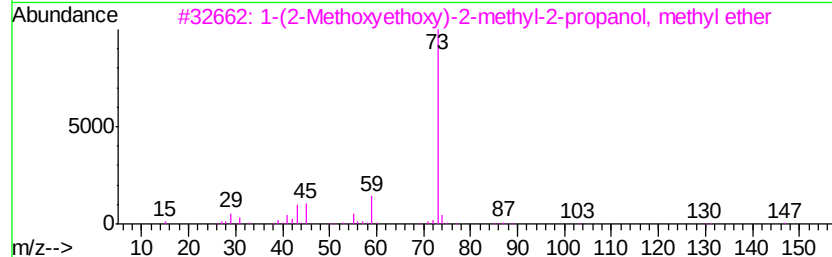
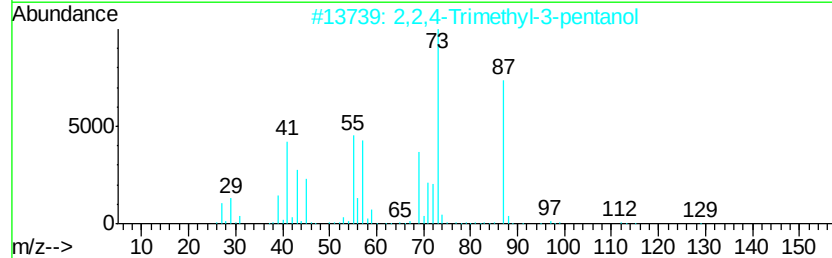
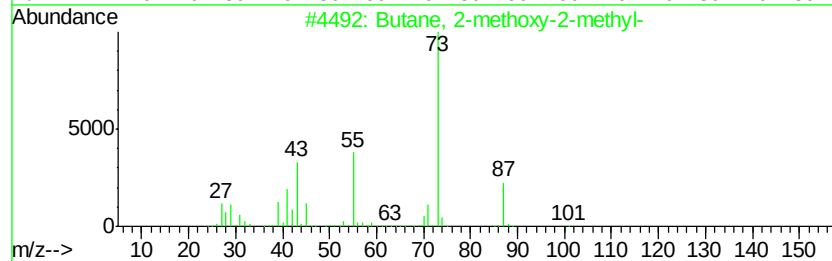
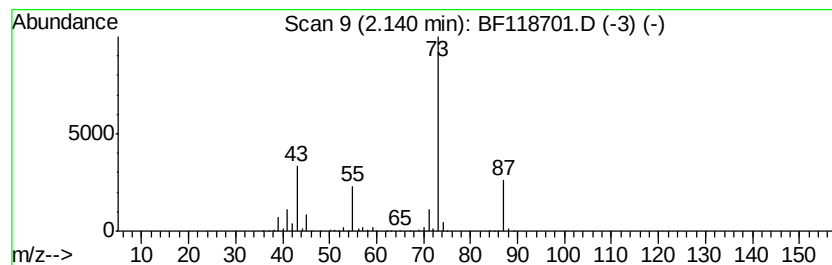
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 1 Butane, 2-methoxy-2-methyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.14	21.08 ng	1433670	1,4-Dichlorobenzene-d4	6.86

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Butane, 2-methoxy-2-methyl-	102	C6H14O	000994-05-8	83
2		2,2,4-Trimethyl-3-pentanol	130	C8H18O	005162-48-1	39
3		1-(2-Methoxyethoxy)-2-methyl-2-propanol	162	C8H18O3	1000364-24-4	25
4		Pentane, 3-methoxy-	102	C6H14O	036839-67-5	23
5		Borane, dimethoxy-	74	C2H7BO2	004542-61-4	9



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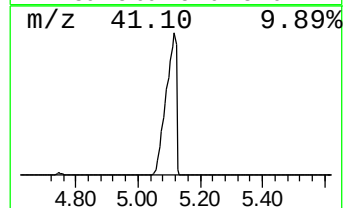
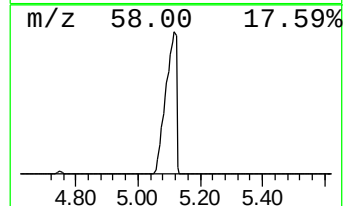
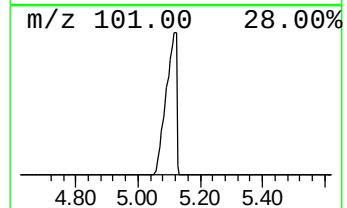
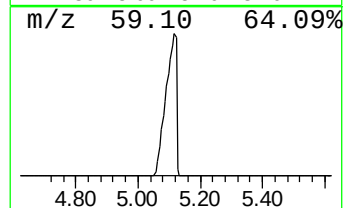
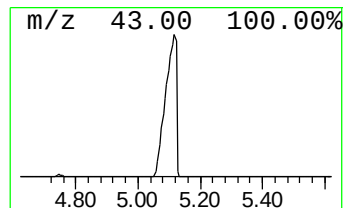
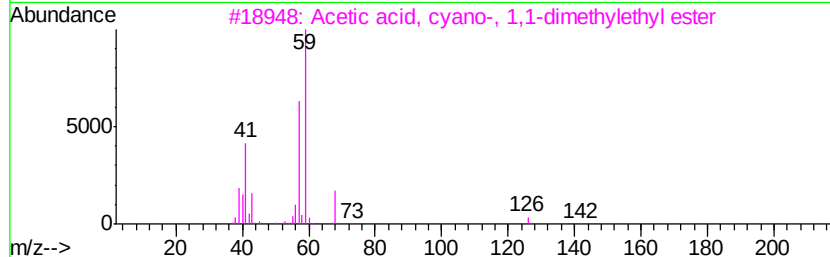
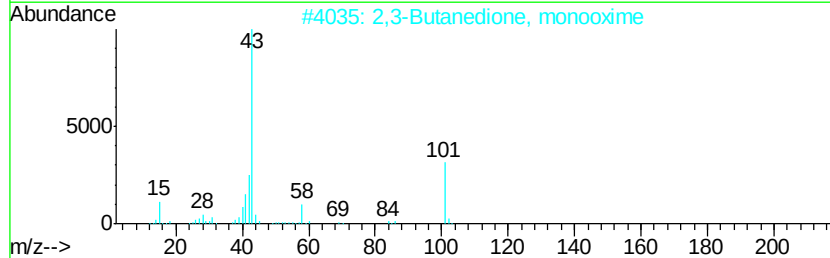
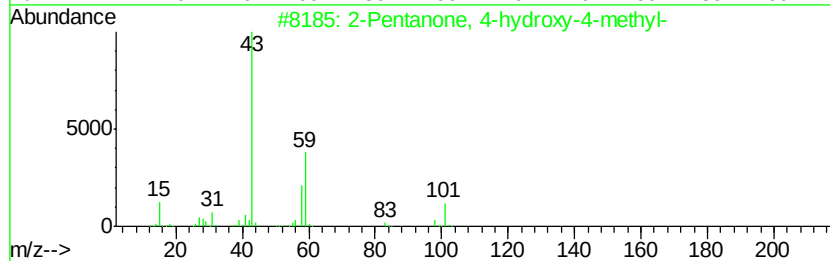
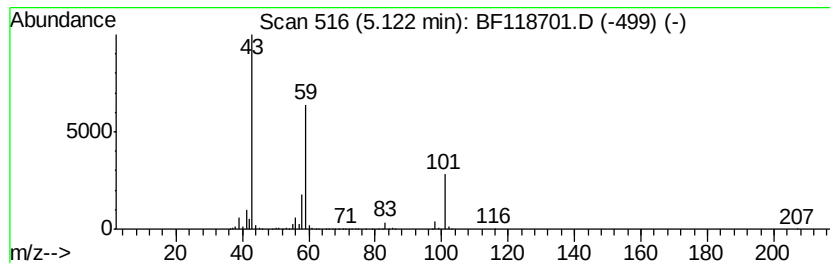
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.12	203.78 ng	13856900	1,4-Dichlorobenzene-d4	6.86

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	56
2		2,3-Butanedione, monooxime	101	C4H7NO2	000057-71-6	17
3		Acetic acid, cyano-, 1,1-dimethyl...	141	C7H11NO2	001116-98-9	17
4		Acetone	58	C3H6O	000067-64-1	10
5		Morpholine, 4-methyl-	101	C5H11NO	000109-02-4	9



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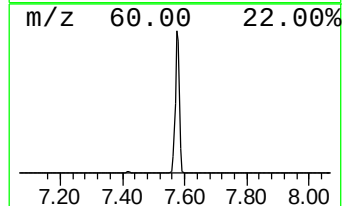
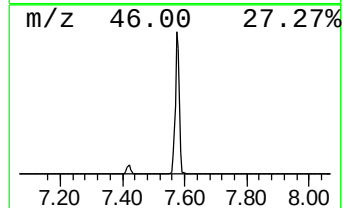
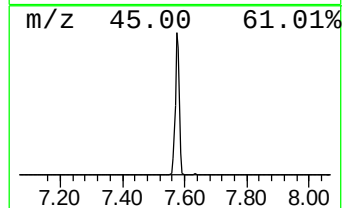
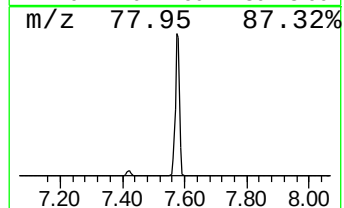
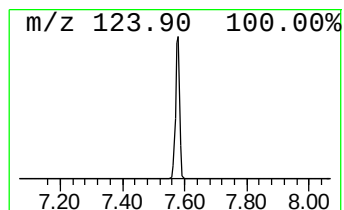
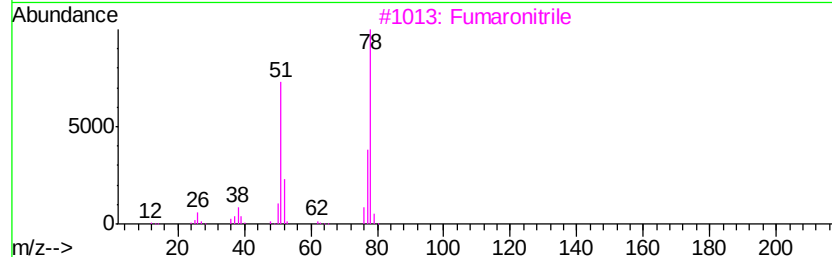
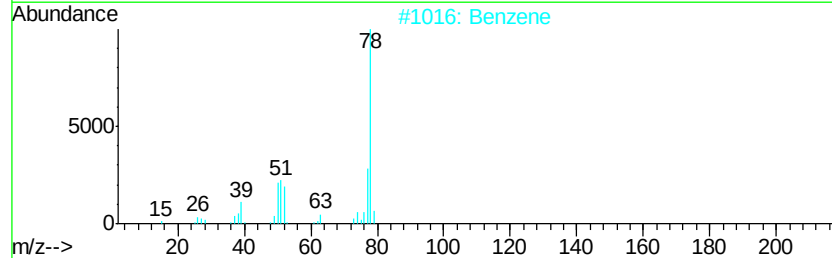
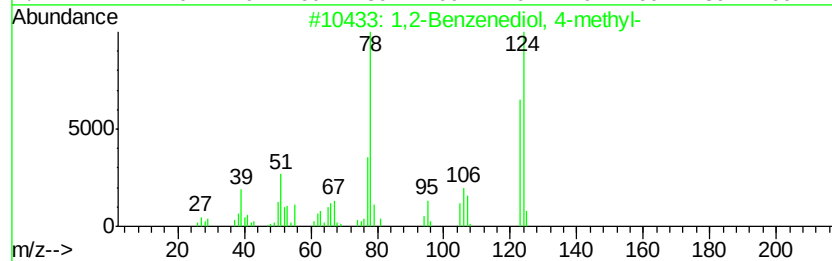
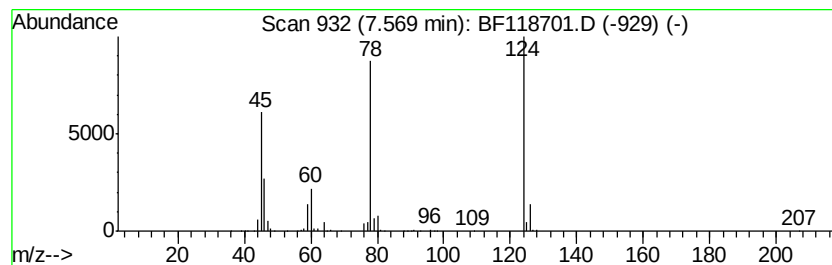
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 4 unknown7.57 Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.57	28.78 ng	2533670	Napthalene-d8	8.15

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	1,2-Benzenediol, 4-methyl-	124	C7H8O2	000452-86-8	36
2		Benzene	78	C6H6	000071-43-2	9
3		Fumaronitrile	78	C4H2N2	000764-42-1	9
4		1,2,4-Trithiolane	124	C2H4S3	000289-16-7	9
5		2,4-Hexadiyne	78	C6H6	002809-69-0	7



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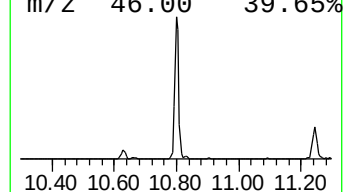
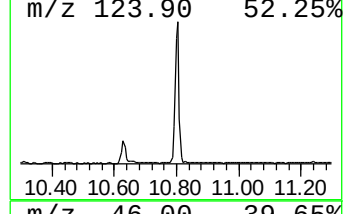
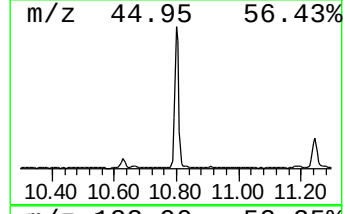
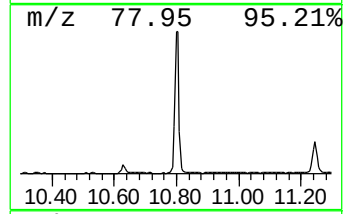
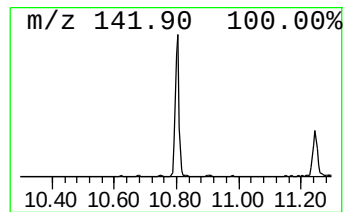
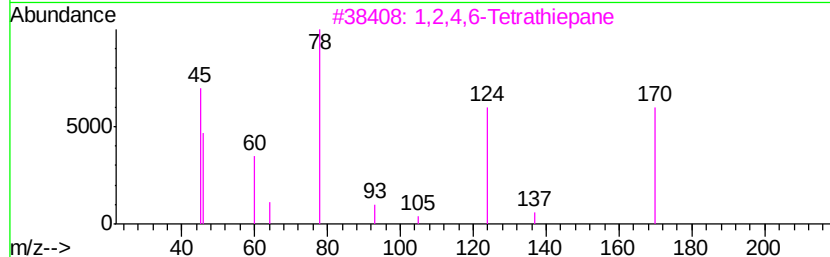
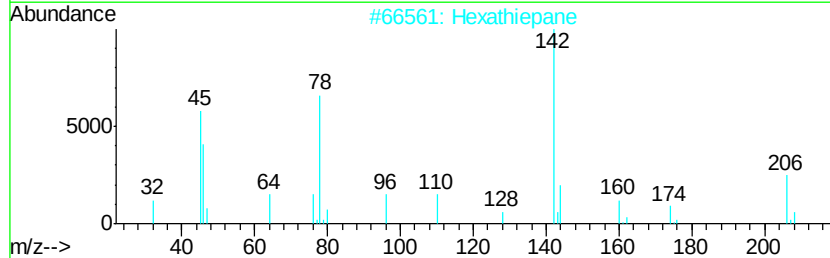
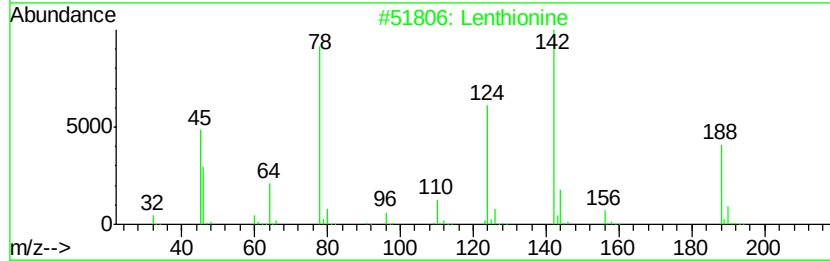
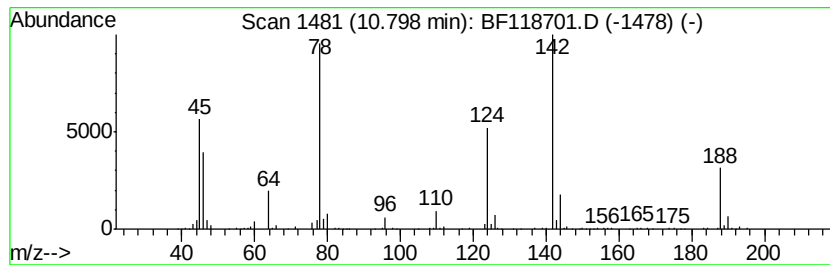
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 5 Lenthionine Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.	
10.80	6.30 ng	601899	Phenanthrene-d10	11.38	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Lenthionine	188	C2H4S5	000292-46-6	96
2	Hexathiepane	206	CH2S6	017233-71-5	56
3	1,2,4,6-Tetrathiepane	170	C3H6S4	000292-45-5	45
4	Ehylthiophosphonamide, o-methyl ...	139	C3H10NOPS	1000306-03-7	33
5	1,2-Benzenediol, 3-methyl-	124	C7H8O2	000488-17-5	9



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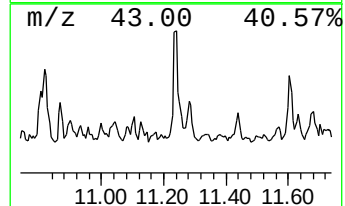
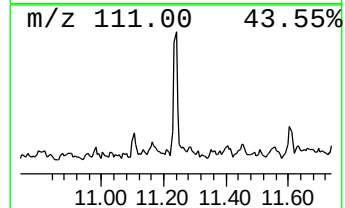
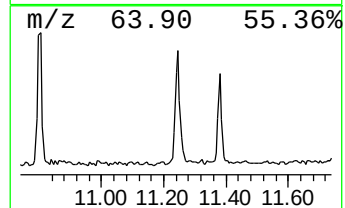
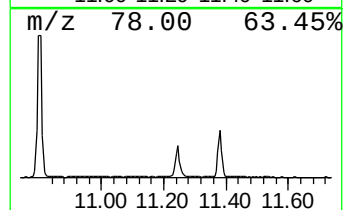
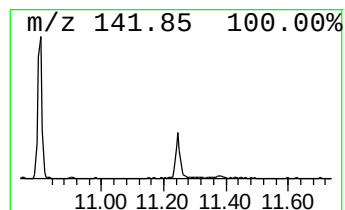
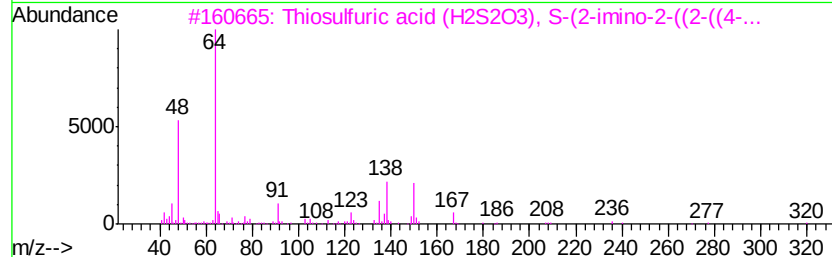
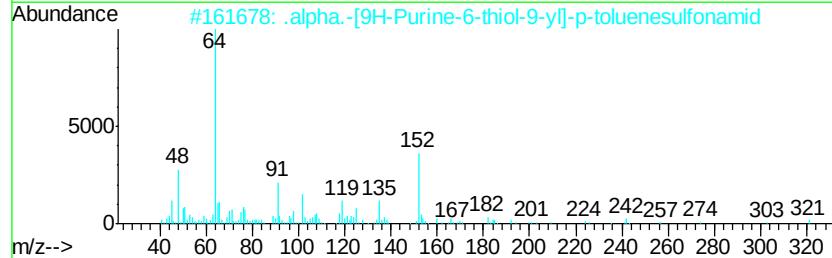
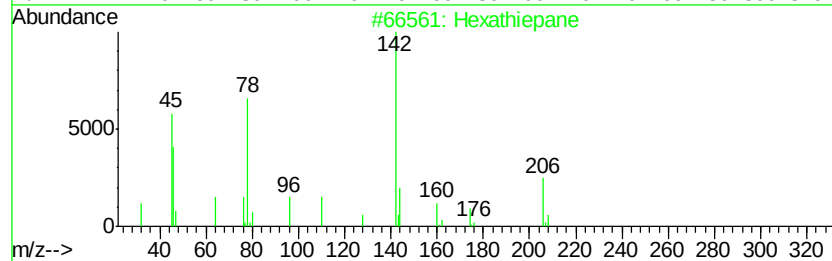
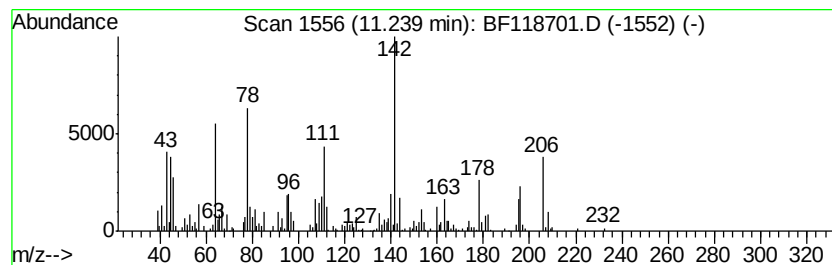
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 6 unknown11.24 Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.24	3.45 ng	330188	Phenanthrene-d10	11.38

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Hexathiepane	206	CH2S6	017233-71-5	42
2		.alpha.-[9H-Purine-6-thiol-9-yl]...	321	C12H11N5O2S2	019271-00-2	22
3		Thiosulfuric acid (H2S2O3), S-(2...	320	C11H16N2O3S3	040284-00-2	12
4		1-[1-Bromo-2-(2,2,3,3-tetrafluor...	328	C12H10BrF5	1000223-18-3	12
5		O-Methyl isopropylphosphonamidot...	153	C4H12NOPS	1000306-04-3	11



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF012420\
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Acq On : 24 Jan 2020 22:31
Operator : CG/JU
Sample : L1242-10
Misc :
ALS Vial : 21 Sample Multiplier: 1

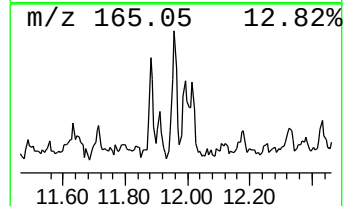
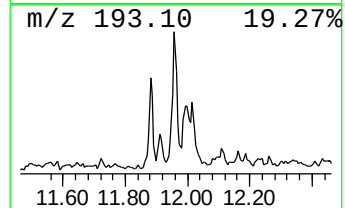
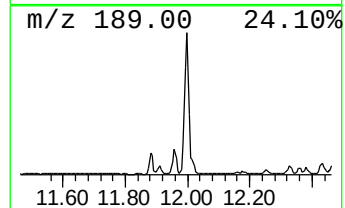
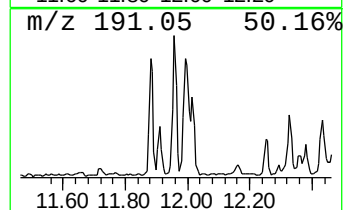
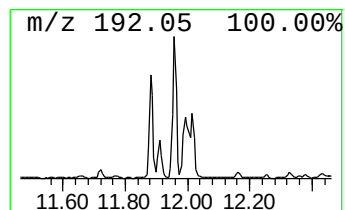
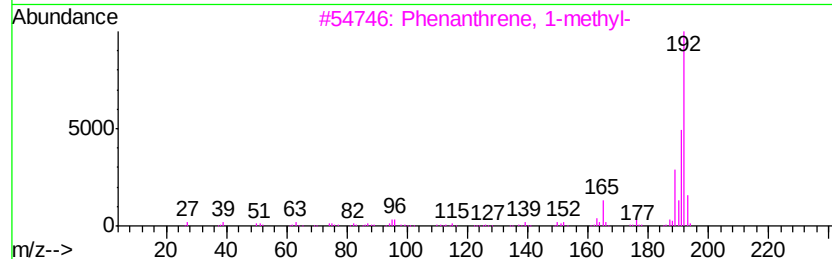
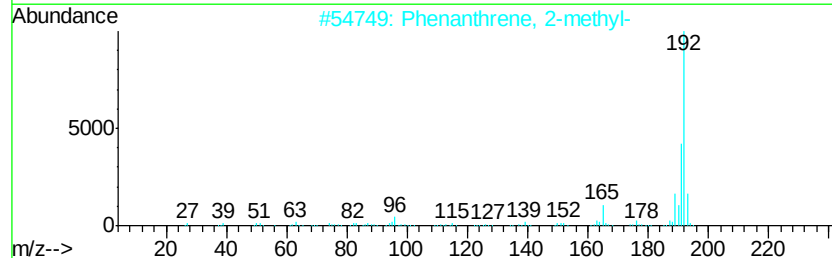
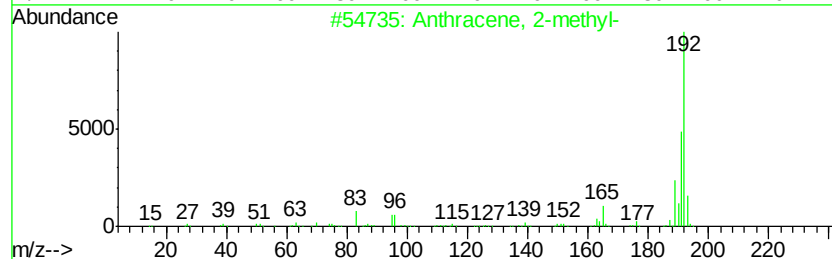
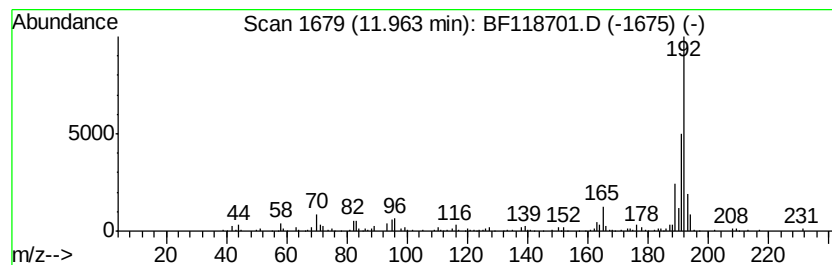
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 7 Anthracene, 2-methyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD		R.T.
11.96	2.21 ng	210967	Phenanthrene-d10		11.38
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 2-methyl-	192	C15H12	000613-12-7	97
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	97
3	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	96
4	Phenanthrene, 3-methyl-	192	C15H12	000832-71-3	95
5	Anthracene, 9-methyl-	192	C15H12	000779-02-2	94



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF012420\
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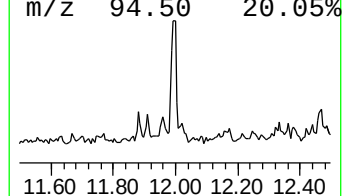
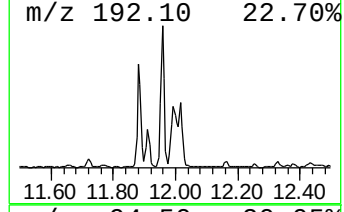
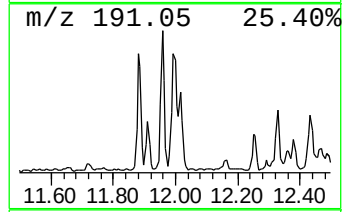
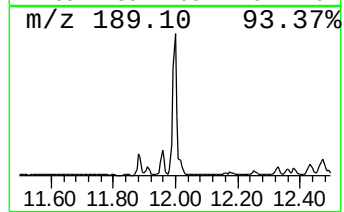
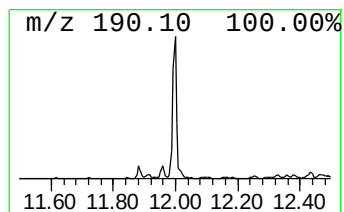
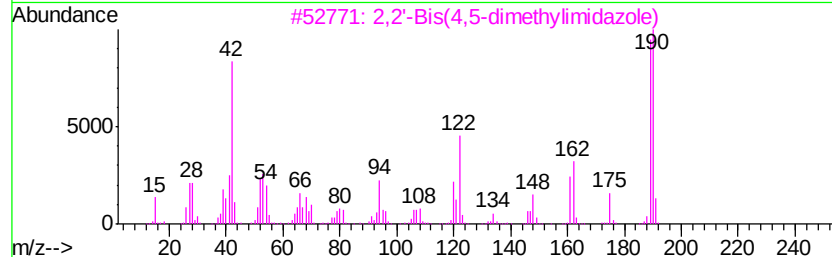
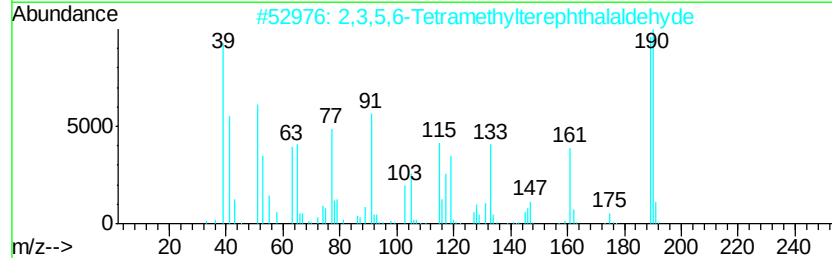
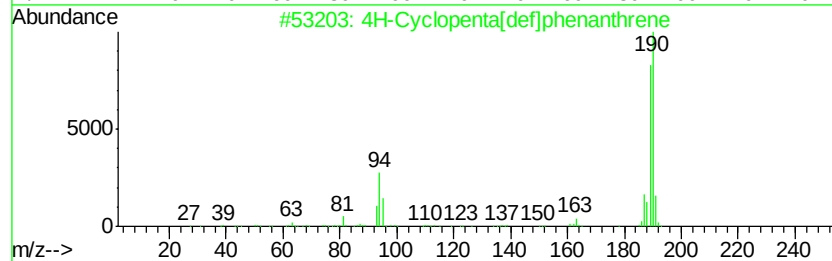
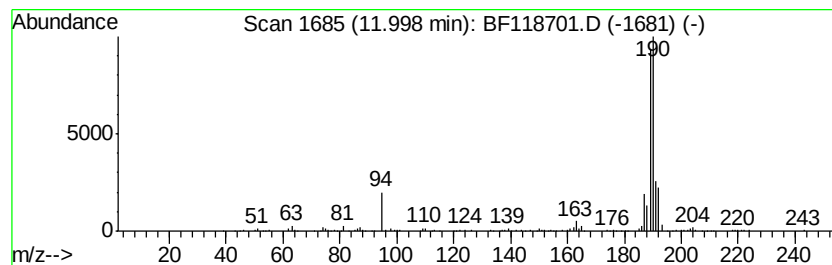
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 8 4H-Cyclopenta[def]phenanthrene Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.	
12.00	4.87 ng	465495	Phenanthrene-d10	11.38	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	81
2	2,3,5,6-Tetramethylterephthalald...	190	C12H14O2	007072-01-7	50
3	2,2'-Bis(4,5-dimethylimidazole)	190	C10H14N4	069286-06-2	45
4	Thiophene-3-carboxaldehyde, 5-ch...	190	C5H4BClO3S	036155-87-0	40
5	Methyl diselenide	190	C2H6Se2	007101-31-7	27



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF012420\
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Sample : L1242-10
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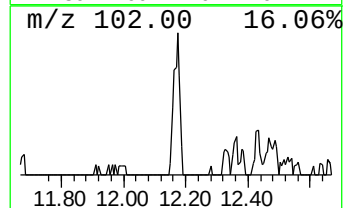
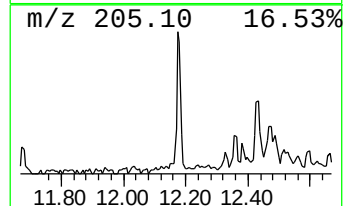
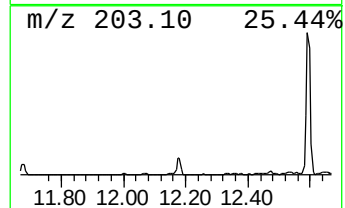
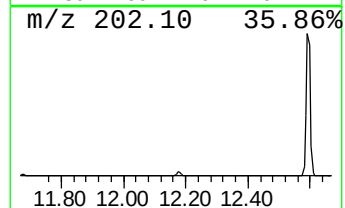
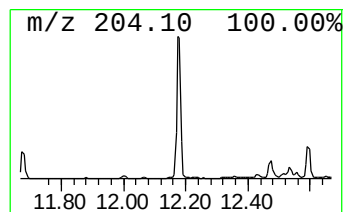
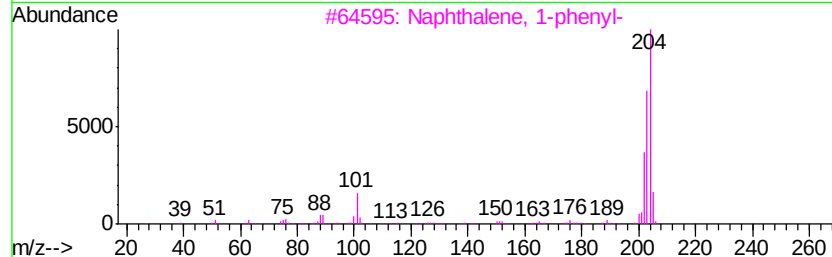
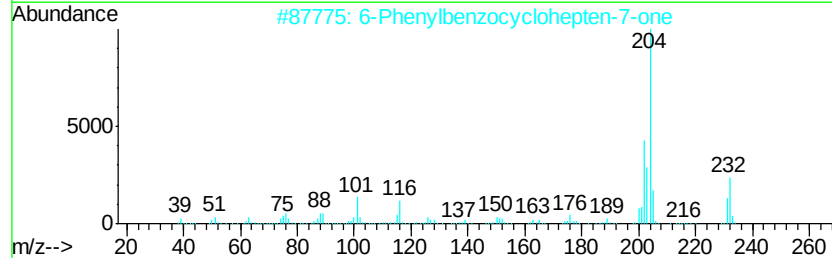
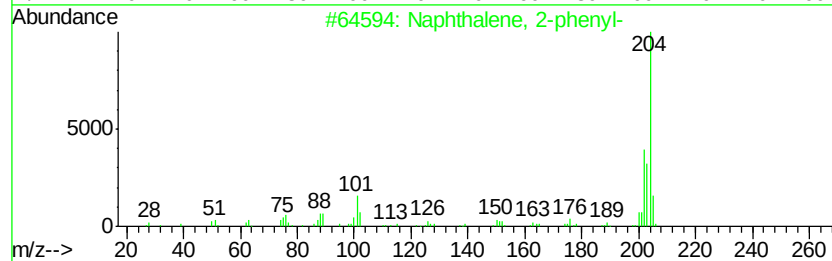
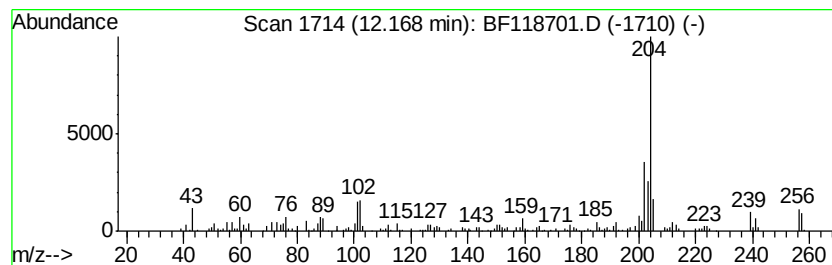
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 9 Naphthalene, 2-phenyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.17	3.27 ng	312578	Phenanthrene-d10	11.38
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1		Naphthalene, 2-phenyl-	204 C16H12	000612-94-2 96
2		6-Phenylbenzocyclohepten-7-one	232 C17H12O	093327-56-1 91
3		Naphthalene, 1-phenyl-	204 C16H12	000605-02-7 83
4		Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204 C16H12	006572-60-7 53
5		[1,1'-Biphenyl]-4,4'-dicarbonitrile	204 C14H8N2	001591-30-6 52



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF012420\
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ALS Vial : 21 Sample Multiplier: 1

Instrument :
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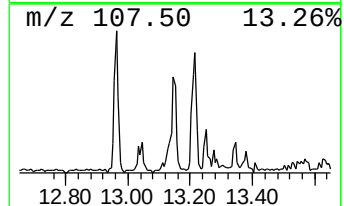
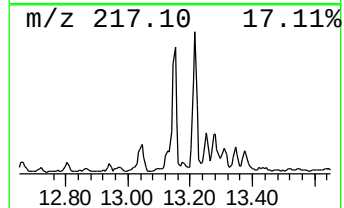
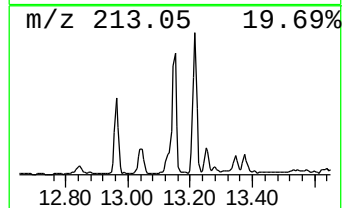
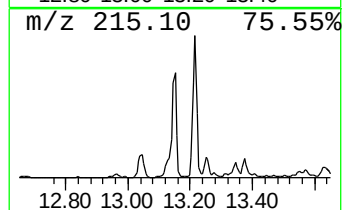
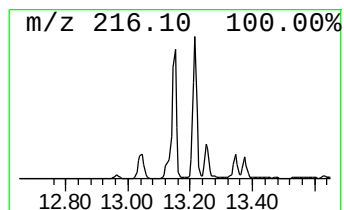
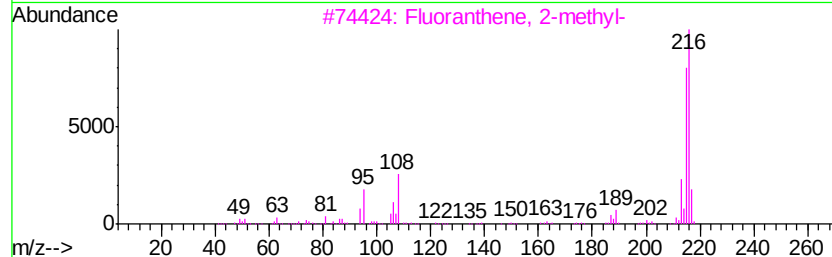
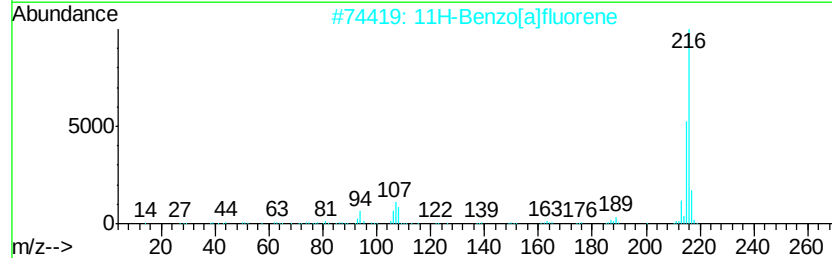
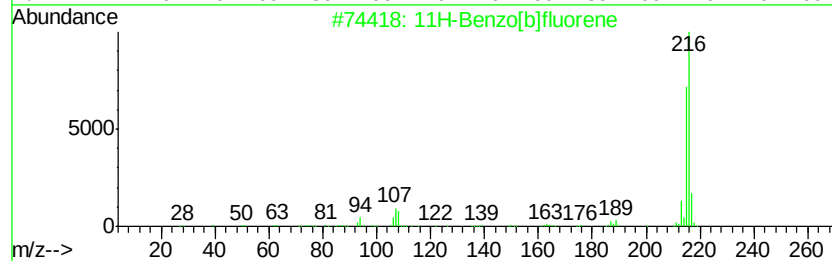
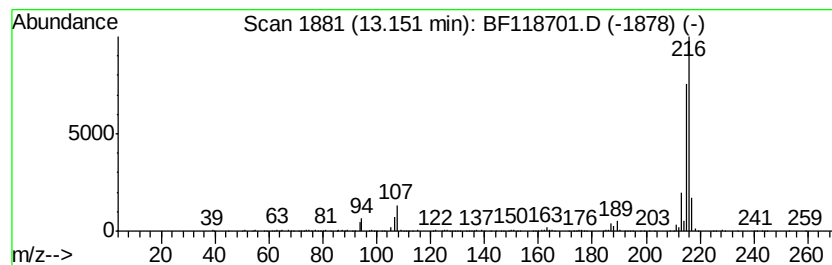
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 10 11H-Benzo[b]fluorene Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.15	3.38 ng	454272	Chrysene-d12	14.02

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		11H-Benzo[b]fluorene	216	C17H12	000243-17-4	93
2		11H-Benzo[a]fluorene	216	C17H12	000238-84-6	93
3		Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	93
4		7H-Benzo[c]fluorene	216	C17H12	000205-12-9	83
5		Pyrene, 1-methyl-	216	C17H12	002381-21-7	80



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF012420\
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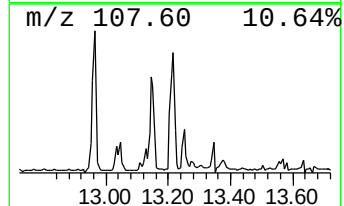
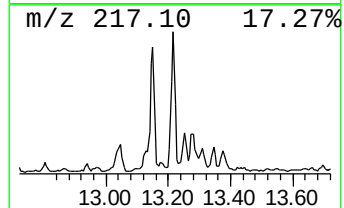
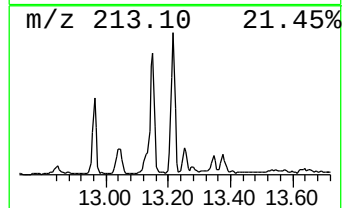
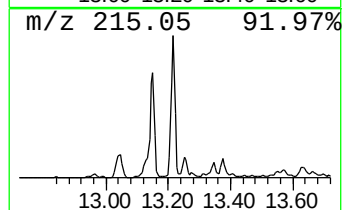
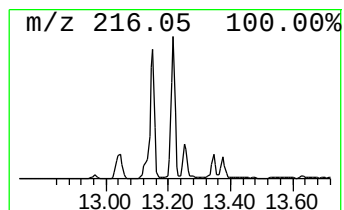
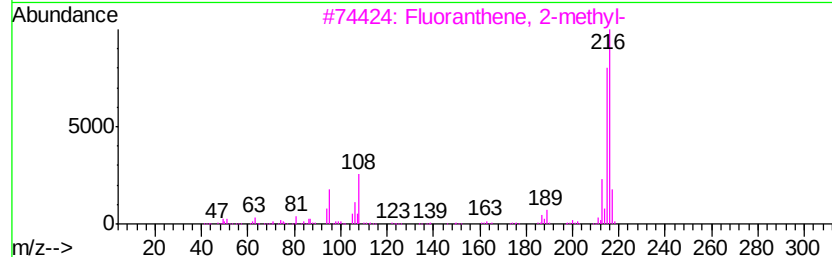
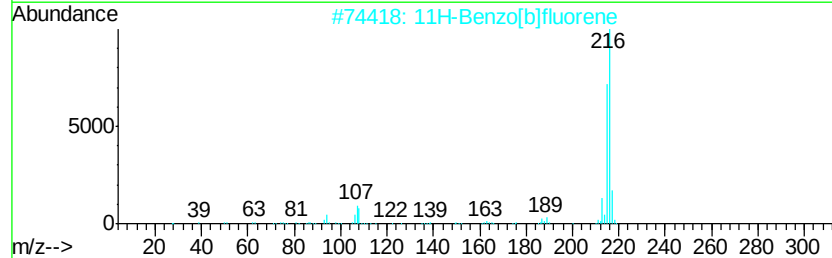
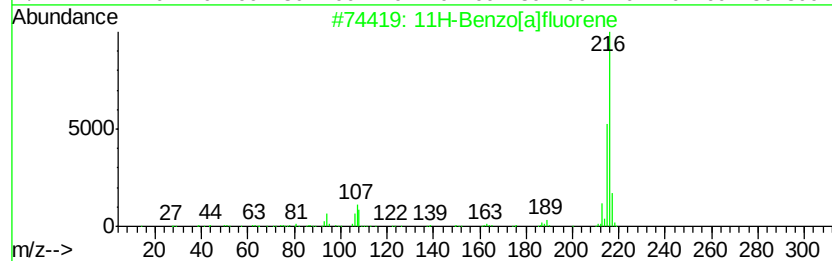
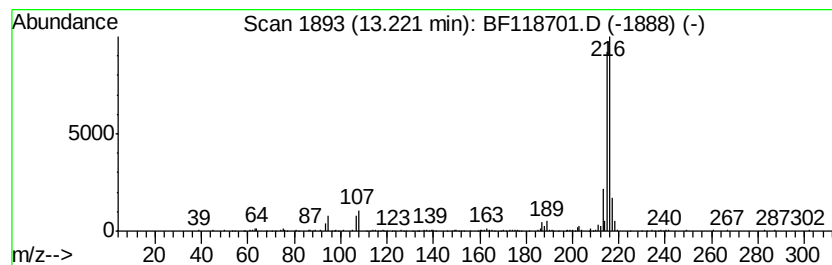
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 11 11H-Benzo[a]fluorene Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.		
13.22	3.81 ng	511773	Chrysene-d12	14.02		
Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		11H-Benzo[a]fluorene	216	C17H12	000238-84-6	93
2		11H-Benzo[b]fluorene	216	C17H12	000243-17-4	90
3		Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	70
4		Pyrene, 1-methyl-	216	C17H12	002381-21-7	62
5		trans-p-(Trifluoromethyl)cinnami...	216	C10H7F3O2	016642-92-5	59



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF012420\
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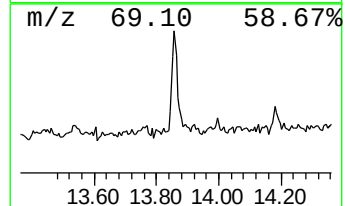
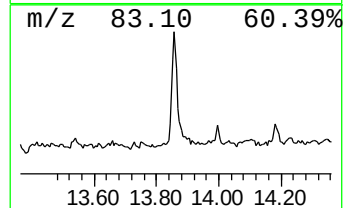
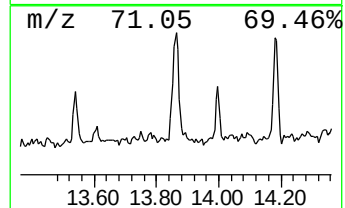
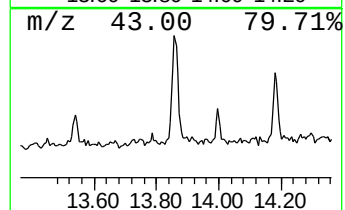
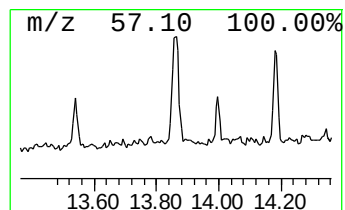
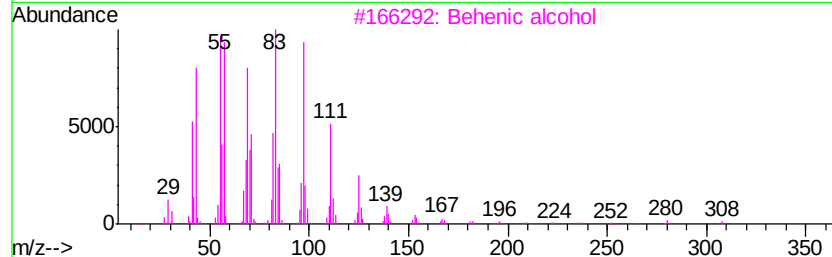
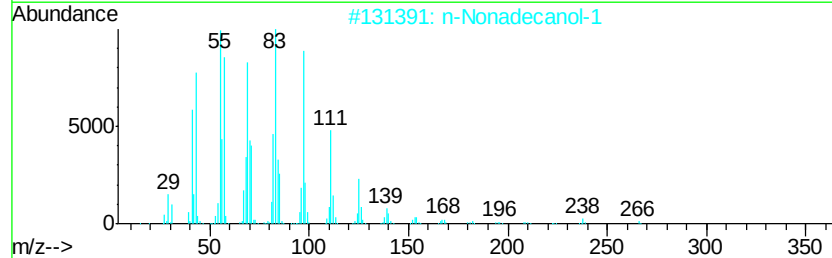
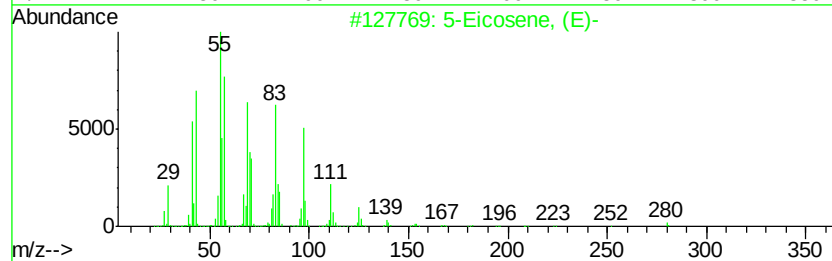
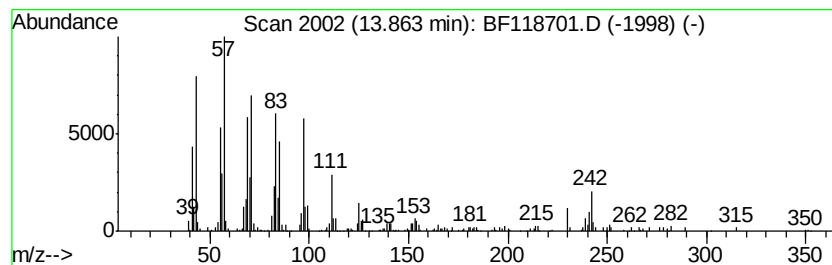
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 12 5-Eicosene, (E)- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD		R.T.
13.86	2.24 ng	301449	Chrysene-d12		14.02
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	5-Eicosene, (E)-	280	C20H40	074685-30-6	96
2	n-Nonadecanol-1	284	C19H40O	001454-84-8	93
3	Behenic alcohol	326	C22H46O	000661-19-8	93
4	1-Heneicosanol	312	C21H44O	015594-90-8	93
5	Trifluoroacetoxy hexadecane	338	C18H33F3O2	006222-03-3	93



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF012420\
Data File : BF118701.D
Acq On : 24 Jan 2020 22:31
Operator : CG/JU
Sample : L1242-10
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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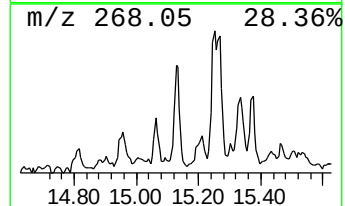
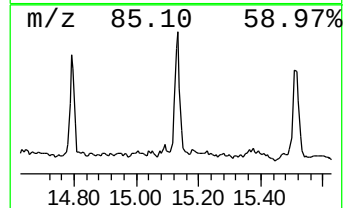
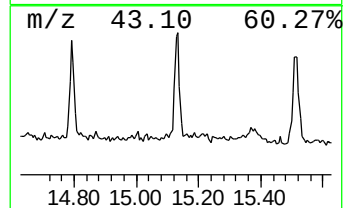
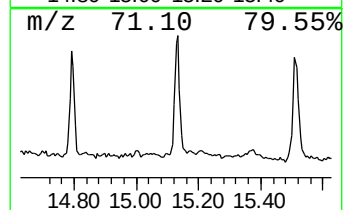
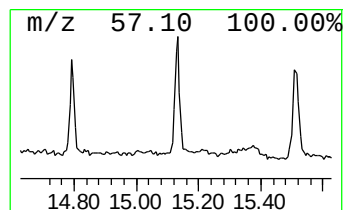
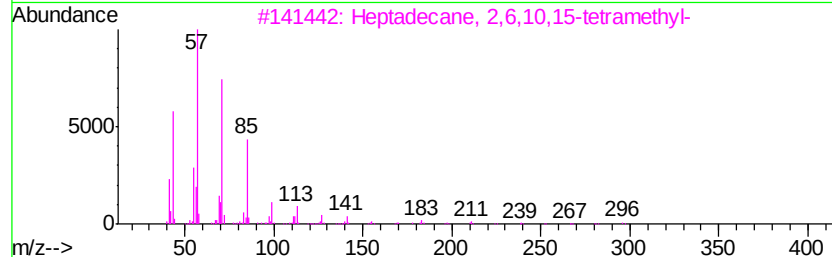
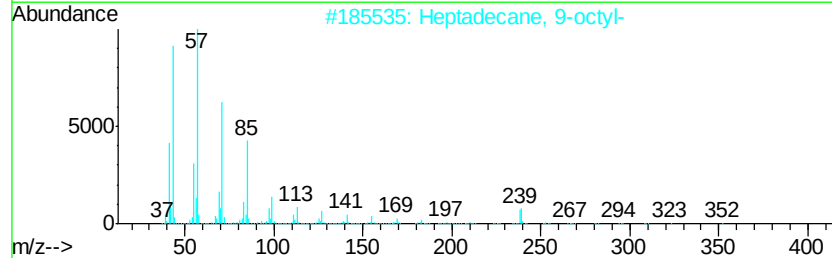
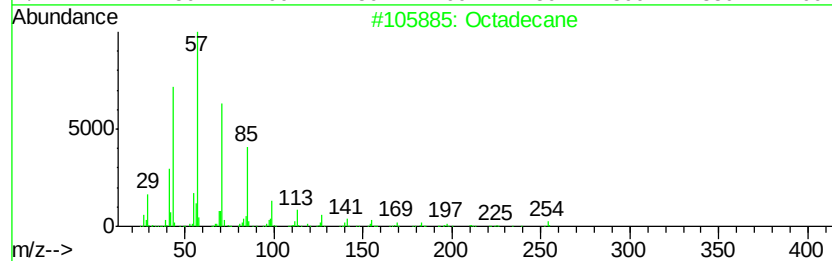
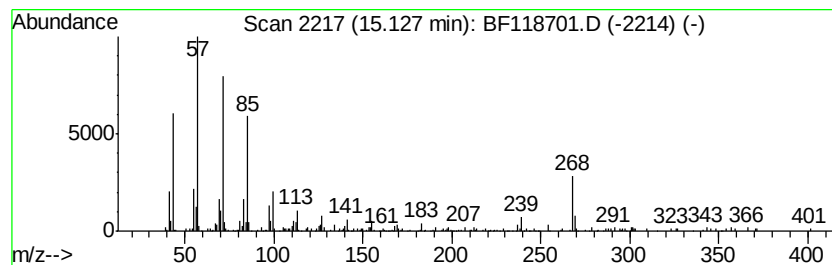
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 13 Octadecane Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.13	2.72 ng	224493	Perylene-d12	15.48

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Octadecane	254	C18H38	000593-45-3	96
2		Heptadecane, 9-octyl-	352	C25H52	007225-64-1	93
3		Heptadecane, 2,6,10,15-tetramethyl-	296	C21H44	054833-48-6	90
4		2-methyloctacosane	408	C29H60	1000376-72-8	87
5		Octacosane	394	C28H58	000630-02-4	87



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF012420\
Data File : BF118701.D
Acq On : 24 Jan 2020 22:31
Operator : CG/JU
Sample : L1242-10
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
20200063-AMENDED-COMP-1

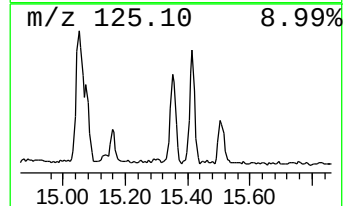
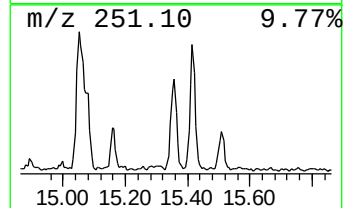
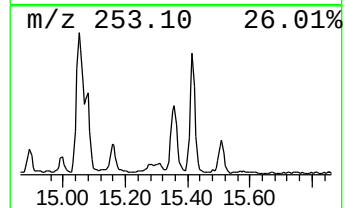
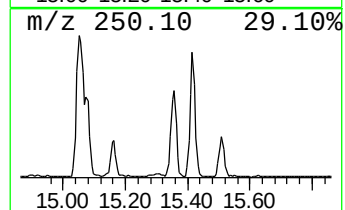
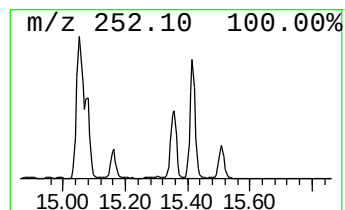
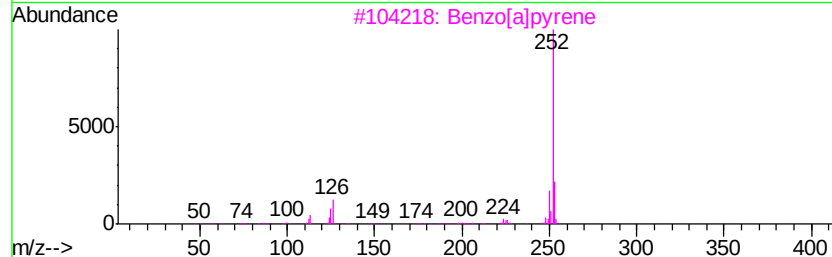
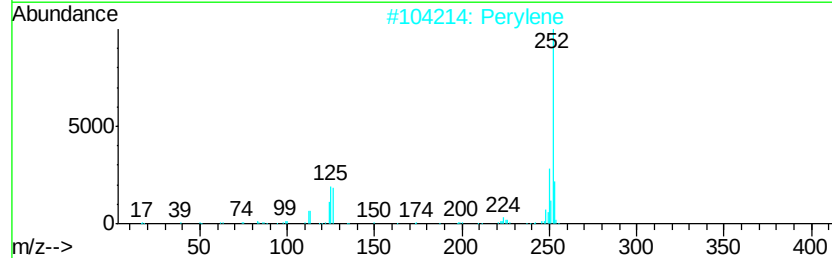
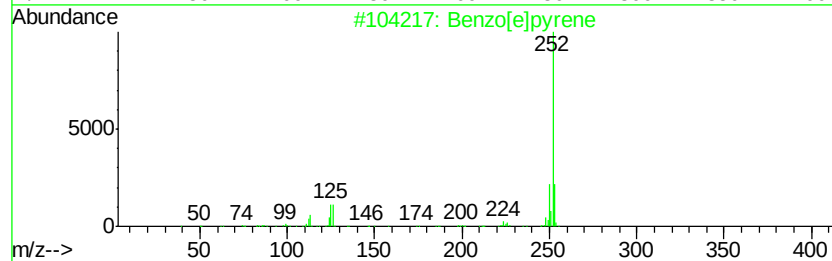
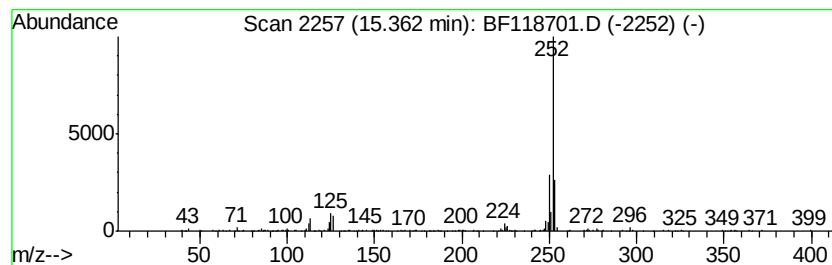
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 14 Benzo[e]pyrene Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.36	5.36 ng	442143	Perylene-d12	15.48

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzo[e]pyrene	252	C20H12	000192-97-2	99
2			Perylene	252	C20H12	000198-55-0	96
3			Benzo[a]pyrene	252	C20H12	000050-32-8	95
4			Benzo[e]acephenanthrylene	252	C20H12	000205-99-2	94
5			Benzo[k]fluoranthene	252	C20H12	000207-08-9	90



Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF012420\
 Data File : BF118701.D
 Acq On : 24 Jan 2020 22:31
 Operator : CG/JU
 Sample : L1242-10
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 20200063-AMENDED-COMP-1

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF012020.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
Butane, 2-methoxy...	2.14	21.1	ng	1433670	1	6.86	1360000	20.0
2-Pentanone, 4-hy...	5.12	203.8	ng	13856900	1	6.86	1360000	20.0
unknown7.57	7.57	28.8	ng	2533670	2	8.15	1760700	20.0
Lenthionine	10.80	6.3	ng	601899	4	11.38	1911450	20.0
unknown11.24	11.24	3.5	ng	330188	4	11.38	1911450	20.0
Anthracene, 2-met...	11.96	2.2	ng	210967	4	11.38	1911450	20.0
4H-Cyclopenta[def...	12.00	4.9	ng	465495	4	11.38	1911450	20.0
Naphthalene, 2-ph...	12.17	3.3	ng	312578	4	11.38	1911450	20.0
11H-Benzo[b]fluorene	13.15	3.4	ng	454272	5	14.02	2688670	20.0
11H-Benzo[a]fluorene	13.22	3.8	ng	511773	5	14.02	2688670	20.0
5-Eicosene, (E)-	13.86	2.2	ng	301449	5	14.02	2688670	20.0
Octadecane	15.13	2.7	ng	224493	6	15.48	1650950	20.0
Benzo[e]pyrene	15.36	5.4	ng	442143	6	15.48	1650950	20.0