

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF073119\
 Data File : BF115890.D
 Acq On : 1 Aug 2019 2:05
 Operator : HP/JU
 Sample : K4049-05 5X
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SP-5

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-BF073019.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	3.904	304	309	321	rBV	233474	333247	28.72%	2.195%
2	5.475	572	576	597	rBV	401234	474096	40.85%	3.123%
3	6.481	744	747	764	rBV	570138	613804	52.89%	4.043%
4	6.622	768	771	781	rVV	676436	575353	49.58%	3.790%
5	6.851	807	810	819	rBV	816375	705376	60.78%	4.647%
6	7.010	833	837	847	rBV	562602	482703	41.59%	3.180%
7	7.410	901	905	917	rBV	332161	320017	27.58%	2.108%
8	8.134	1024	1028	1036	rBV	1025291	869702	74.94%	5.729%
9	9.210	1208	1211	1223	rBV	752280	622965	53.68%	4.104%
10	9.298	1223	1226	1231	rBV2	22154	28639	2.47%	0.189%
11	9.551	1266	1269	1272	rBV	22335	23114	1.99%	0.152%
12	9.604	1276	1278	1283	rVV	145641	135710	11.69%	0.894%
13	9.757	1300	1304	1308	rBV	51938	62108	5.35%	0.409%
14	9.892	1324	1327	1331	rVV	1009958	888597	76.57%	5.854%
15	9.928	1331	1333	1338	rVB	42522	39468	3.40%	0.260%
16	10.098	1359	1362	1367	rBV	30942	26970	2.32%	0.178%
17	10.216	1378	1382	1384	rBV3	26213	32788	2.83%	0.216%
18	10.304	1393	1397	1399	rBV3	52030	55720	4.80%	0.367%
19	10.439	1417	1420	1425	rBV4	47020	58050	5.00%	0.382%
20	10.551	1433	1439	1442	rBV2	50640	80065	6.90%	0.527%
21	10.598	1445	1447	1451	rVB2	24582	26380	2.27%	0.174%
22	10.686	1459	1462	1467	rBV	156182	159564	13.75%	1.051%
23	10.810	1479	1483	1490	rBV2	128787	181665	15.65%	1.197%
24	11.122	1534	1536	1538	rBV2	33797	32606	2.81%	0.215%
25	11.245	1555	1557	1560	rBV	47058	40523	3.49%	0.267%
26	11.280	1560	1563	1568	rVB	135472	131950	11.37%	0.869%
27	11.380	1577	1580	1583	rBV	1004943	979094	84.37%	6.450%
28	11.404	1583	1584	1588	rVV	523582	382460	32.96%	2.519%
29	11.457	1591	1593	1596	rVB	123984	101964	8.79%	0.672%
30	11.674	1628	1630	1633	rVB	121100	88623	7.64%	0.584%
31	11.886	1664	1666	1668	rBV	74873	48694	4.20%	0.321%
32	11.910	1668	1670	1673	rBV	131942	125843	10.84%	0.829%
33	11.998	1682	1685	1687	rBV2	121500	106008	9.13%	0.698%
34	12.080	1697	1699	1703	rVB	113588	101487	8.74%	0.669%

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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	12.363	1745	1747	1750	rBV	128268	114366	9.85%	0.753%
36	12.433	1757	1759	1762	rBV2	104381	103097	8.88%	0.679%
37	12.469	1763	1765	1768	rVB2	166790	154015	13.27%	1.015%
38	12.598	1784	1787	1791	rVB	889616	760807	65.56%	5.012%
39	12.827	1821	1826	1832	rBV	829242	1071495	92.33%	7.058%
40	12.963	1846	1849	1858	rVB	750145	873890	75.30%	5.757%
41	13.198	1887	1889	1891	rBV2	224663	173248	14.93%	1.141%
42	13.539	1945	1947	1951	rBV3	201762	215583	18.58%	1.420%
43	14.004	2023	2026	2027	rBV	582175	546511	47.09%	3.600%
44	14.027	2027	2030	2033	rVV2	1051973	1160527	100.00%	7.645%
45	14.051	2033	2034	2037	rVB	327217	233017	20.08%	1.535%
46	15.504	2277	2281	2291	rVB	583148	838563	72.26%	5.524%

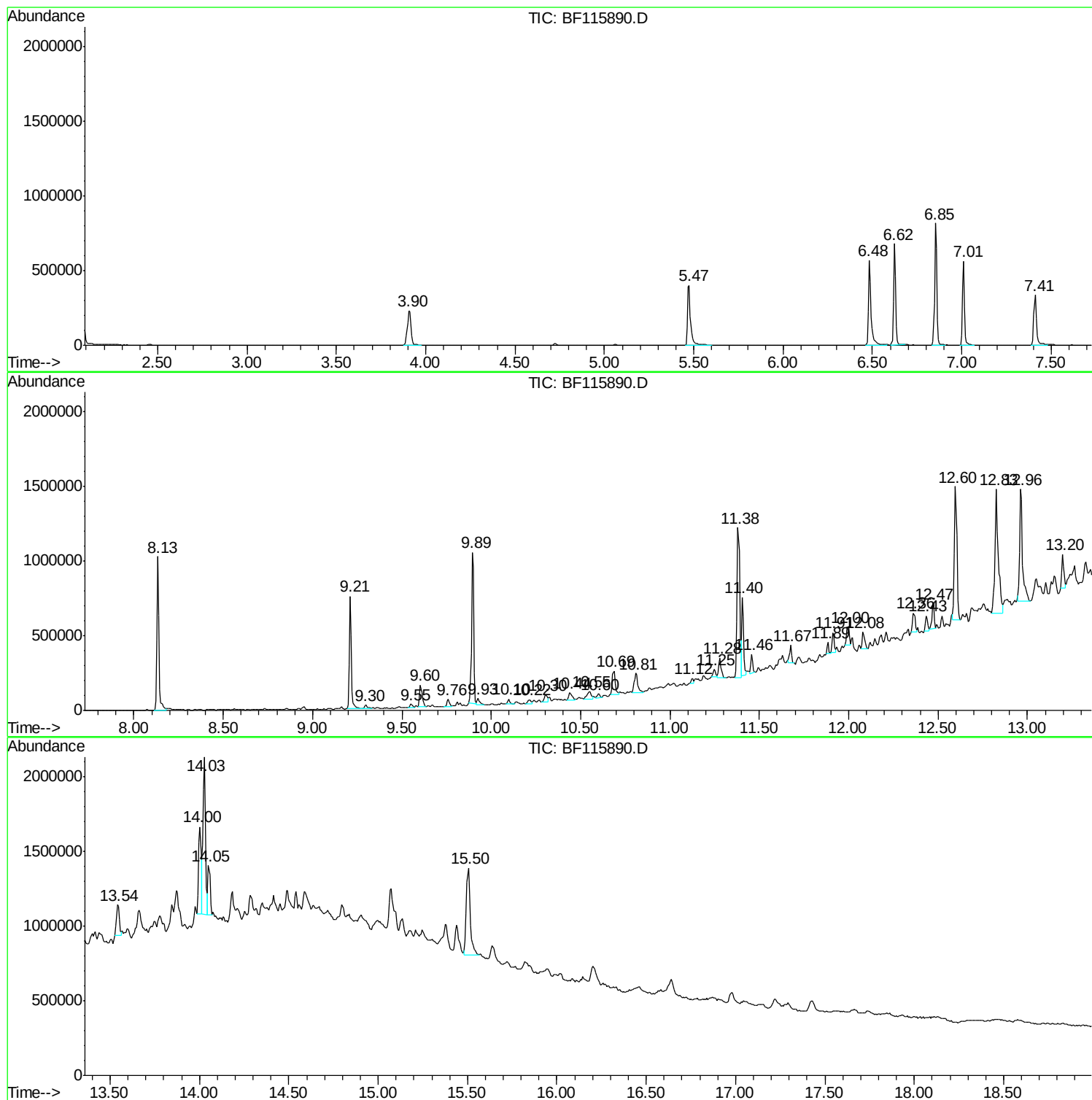
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF073019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



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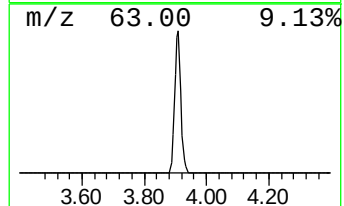
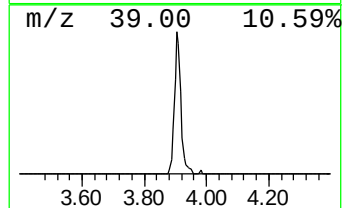
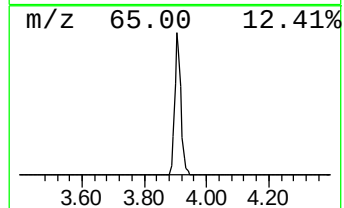
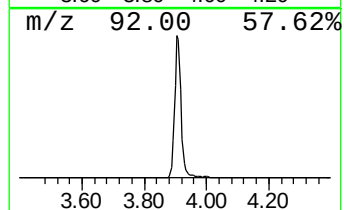
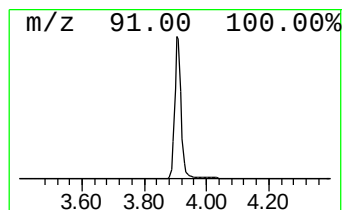
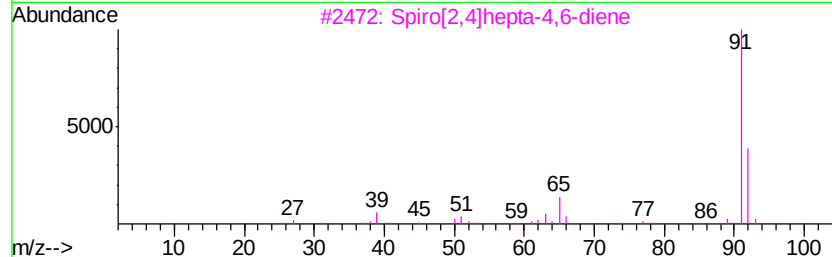
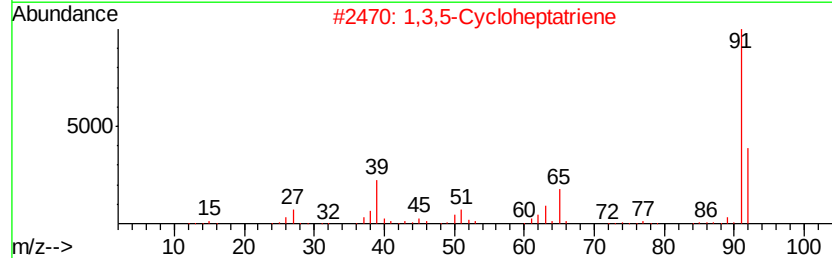
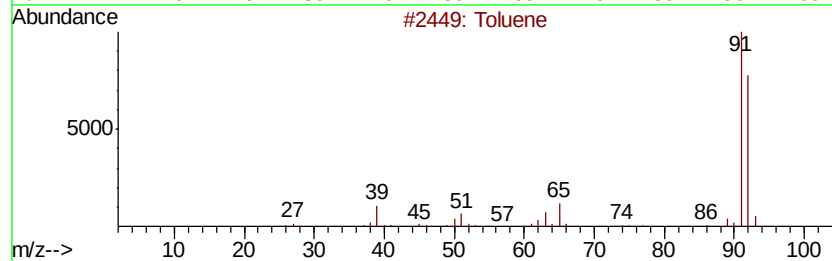
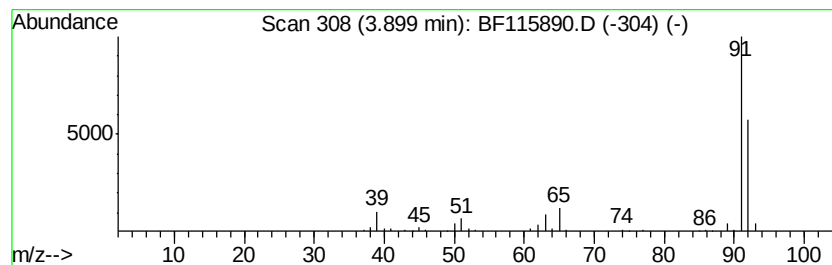
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF073019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 1 1,3,5-Cycloheptatriene Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.90	9.45 ng	333247	1,4-Dichlorobenzene-d4	6.85

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Toluene	92	C7H8	000108-88-3	95
2			1,3,5-Cycloheptatriene	92	C7H8	000544-25-2	90
3			Spiro[2.4]hepta-4,6-diene	92	C7H8	000765-46-8	87
4			Molybdenum, di-.mu.-chlorobis[(1...	532	C20H26Cl2Mo2	035625-66-2	72
5			2,5-Norbornadiene	92	C7H8	000121-46-0	64



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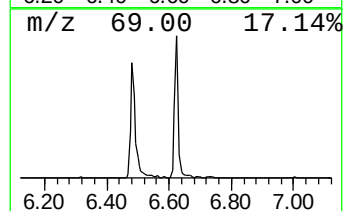
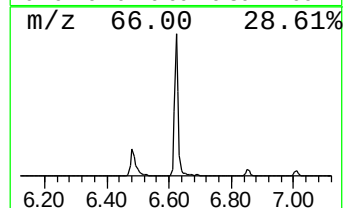
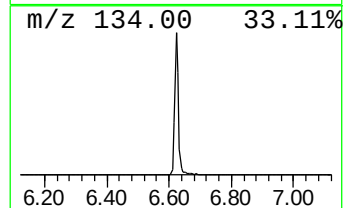
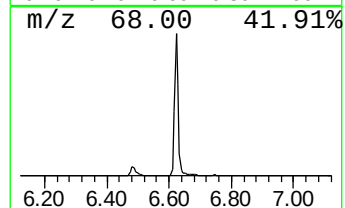
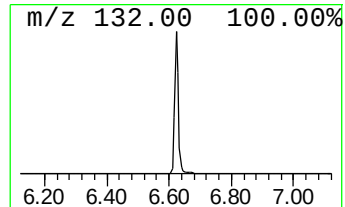
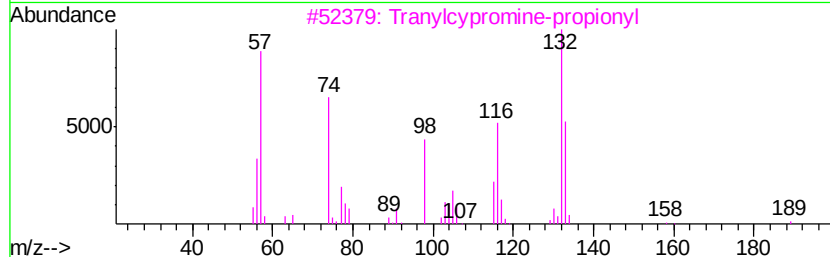
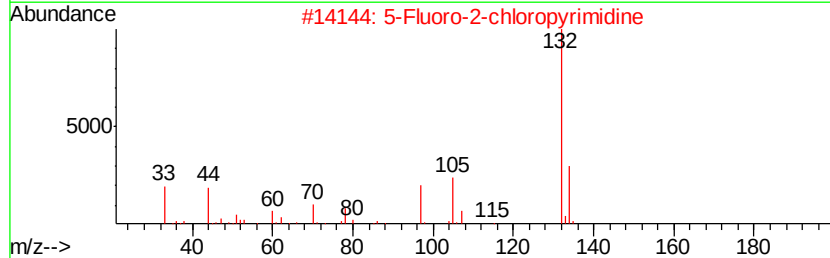
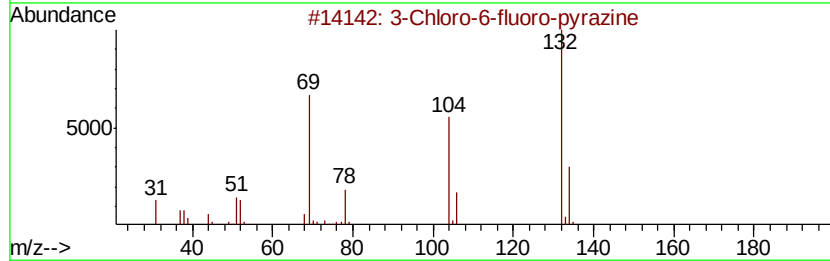
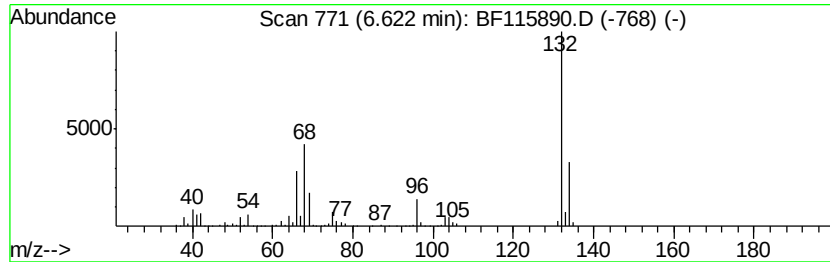
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 2 unknown6.62 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.62	16.31 ng	575353	1,4-Dichlorobenzene-d4	6.85

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	35
2		5-Fluoro-2-chloropyrimidine	132	C4H2ClFN2	062802-42-0	16
3		Tranvlcypropine-propionyl	189	C12H15NO	1000123-86-3	10
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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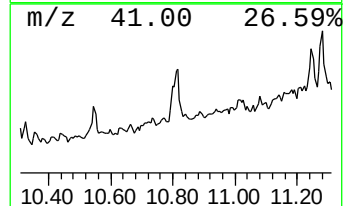
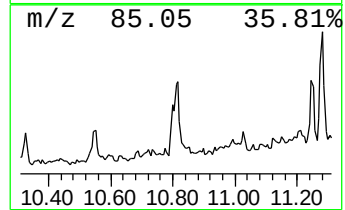
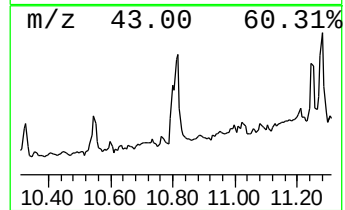
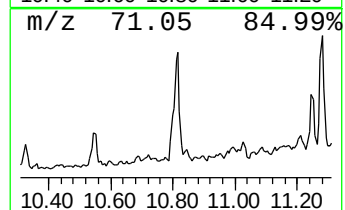
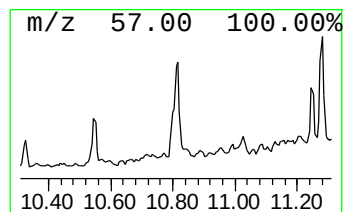
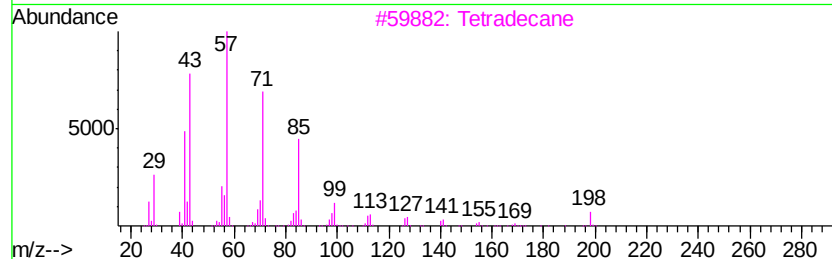
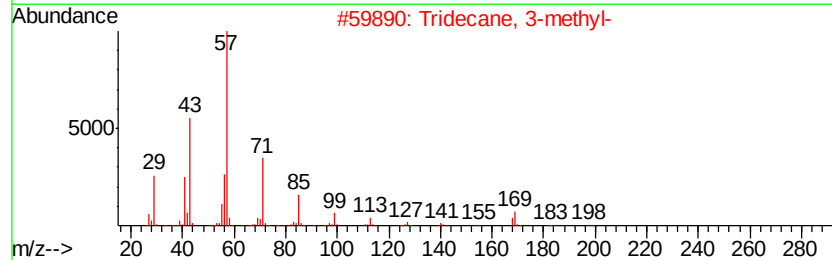
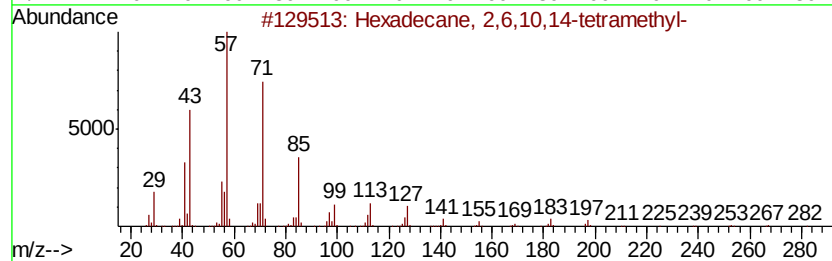
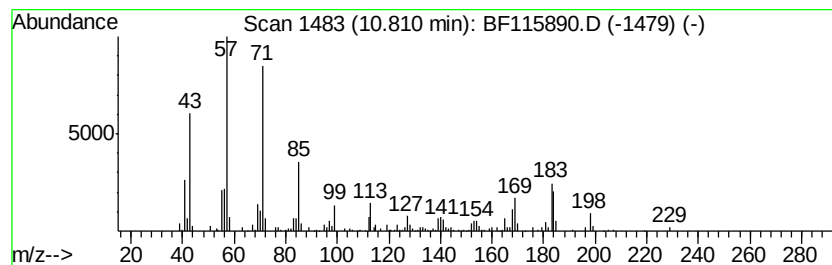
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 4 Hexadecane, 2,6,10,14-tetra... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.81	3.71 ng	181665	Phenanthrene-d10	11.38

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Hexadecane, 2,6,10,14-tetramethyl-	282	C20H42	000638-36-8	58
2		Tridecane, 3-methyl-	198	C14H30	006418-41-3	58
3		Tetradecane	198	C14H30	000629-59-4	55
4		Decane, 2-methyl-	156	C11H24	006975-98-0	53
5		Heptadecane, 2,6,10,15-tetramethyl-	296	C21H44	054833-48-6	53



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ClientSampled :
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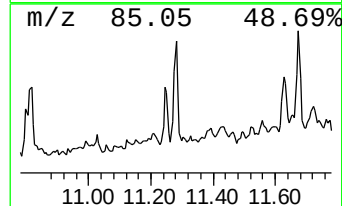
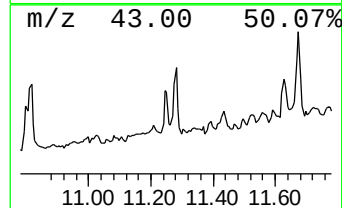
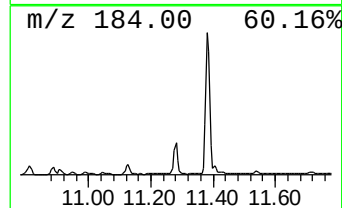
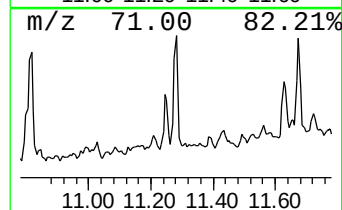
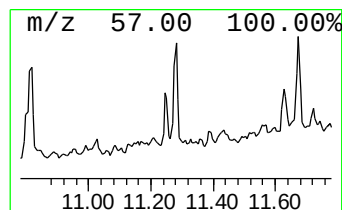
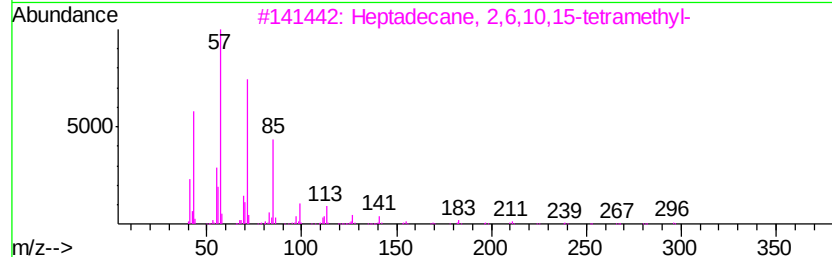
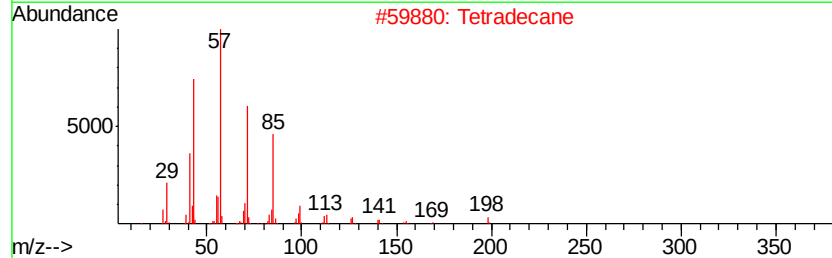
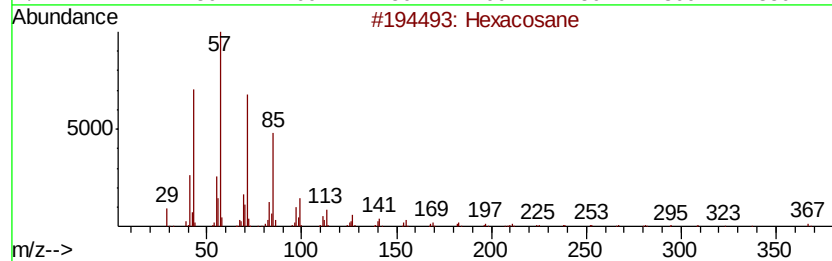
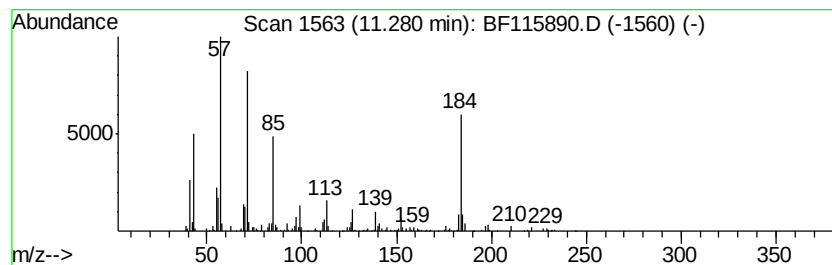
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TIC Integration Parameters: LSCINT.P

Peak Number 5 Hexacosane Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.28	2.70 ng	131950	Phenanthrene-d10	11.38

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Hexacosane	366	C26H54	000630-01-3	64
2		Tetradecane	198	C14H30	000629-59-4	62
3		Heptadecane, 2,6,10,15-tetramethyl-	296	C21H44	054833-48-6	62
4		Hexadecane, 2,6,10,14-tetramethyl-	282	C20H42	000638-36-8	58
5		Decane, 2,4,6-trimethyl-	184	C13H28	062108-27-4	53



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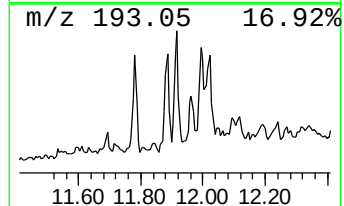
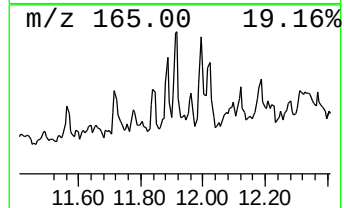
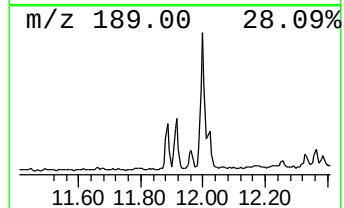
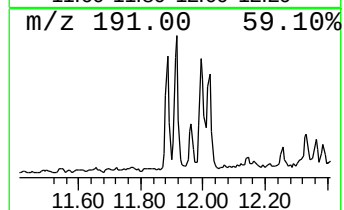
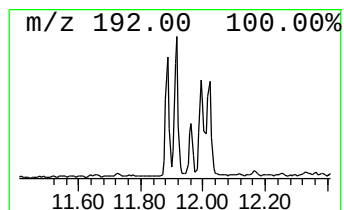
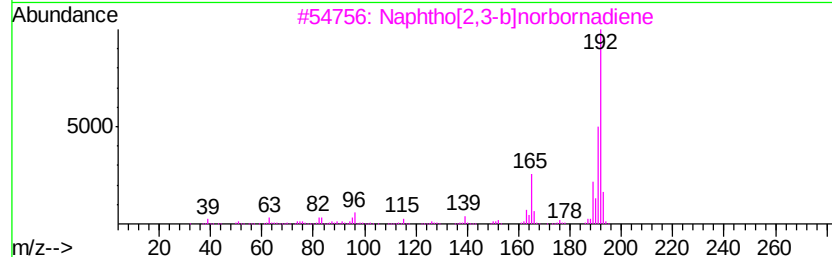
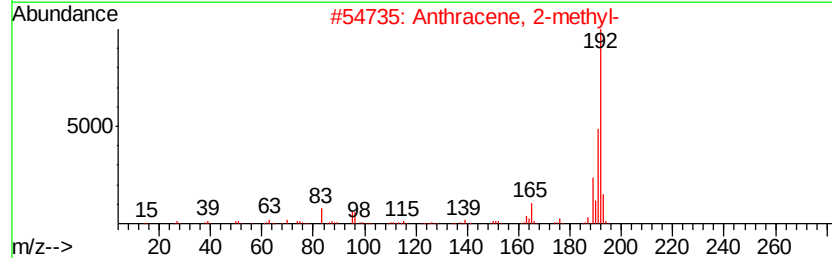
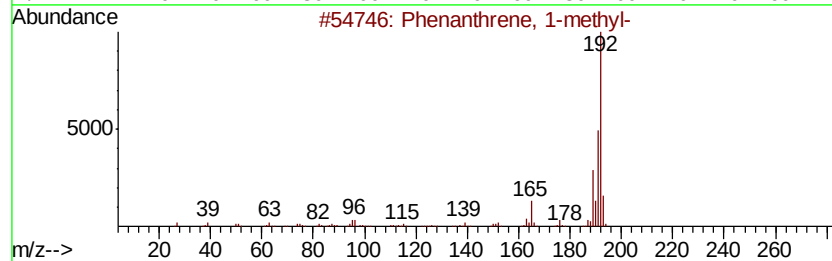
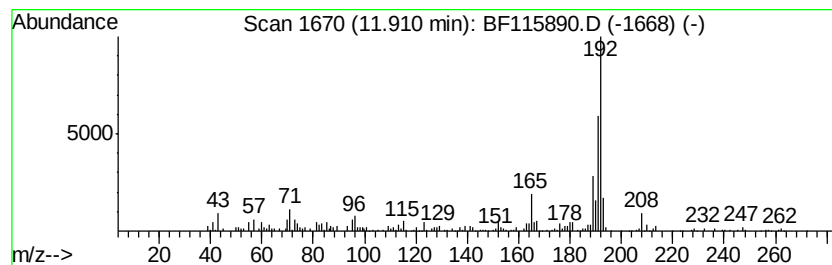
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 6 Phenanthrene, 1-methyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.91	2.57 ng	125843	Phenanthrene-d10	11.38

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	94
2	Anthracene, 2-methyl-	192	C15H12	000613-12-7	94
3	Naphtho[2,3-b]norbornadiene	192	C15H12	107426-38-0	93
4	1-(9-Phenanthrenyl)-2-propanol	236	C17H16O	1000326-09-0	90
5	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	90



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF073119\
Data File : BF115890.D
Acq On : 1 Aug 2019 2:05
Operator : HP/JU
Sample : K4049-05 5X
Misc :
ALS Vial : 22 Sample Multiplier: 1

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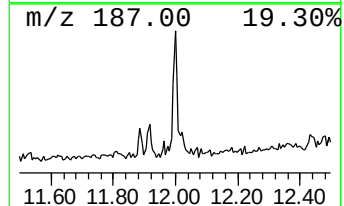
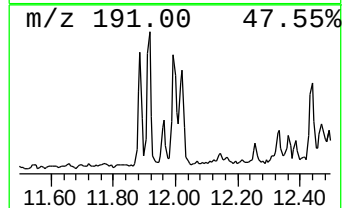
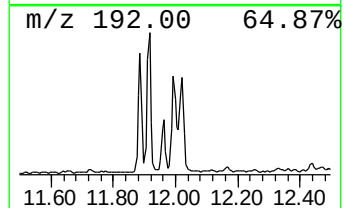
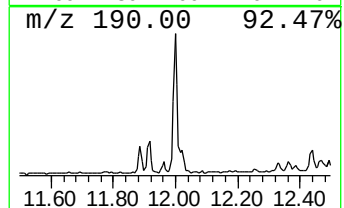
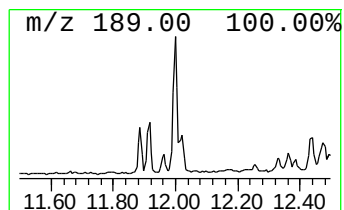
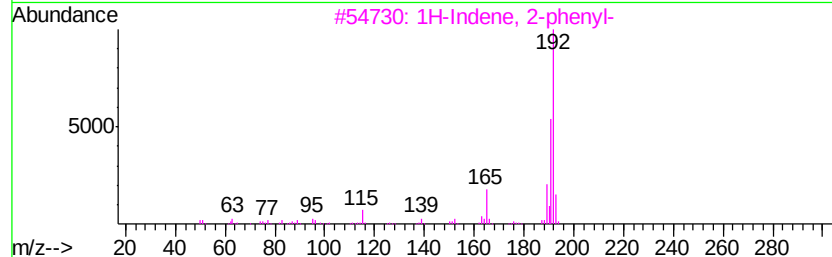
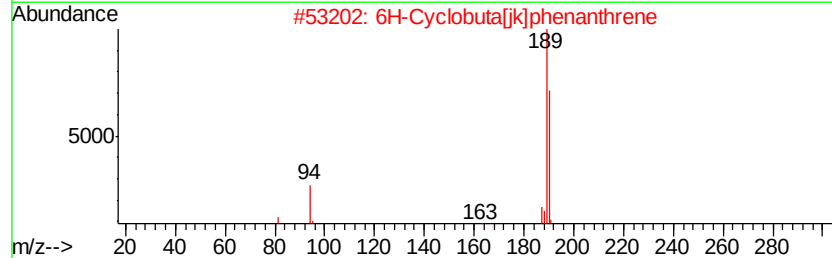
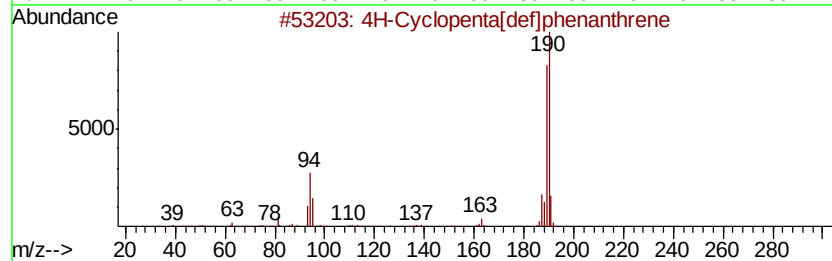
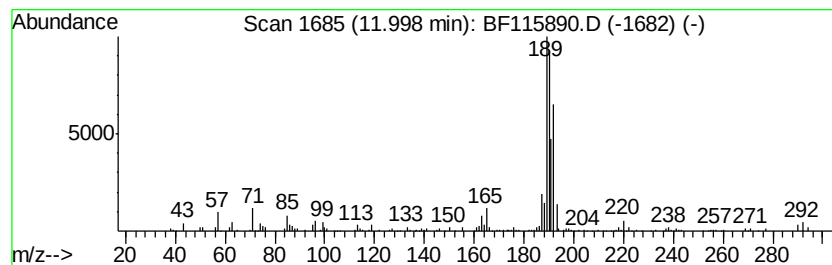
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 7 4H-Cyclopenta[def]phenanthrene Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.00	2.17 ng	106008	Phenanthrene-d10	11.38

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	64
2		6H-Cyclobuta[ik]phenanthrene	190	C15H10	083469-43-6	52
3		1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	38
4		Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	38
5		Anthracene, 9-methyl-	192	C15H12	000779-02-2	30



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF073119\
Data File : BF115890.D
Acq On : 1 Aug 2019 2:05
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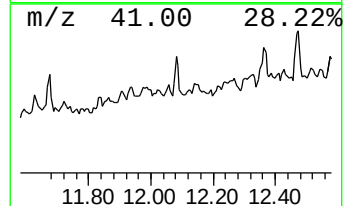
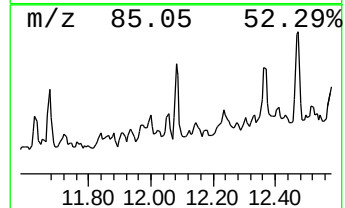
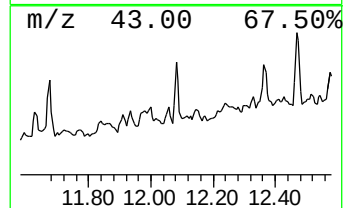
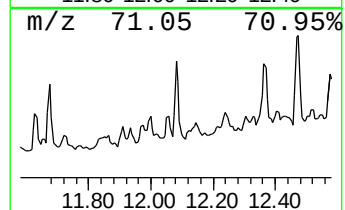
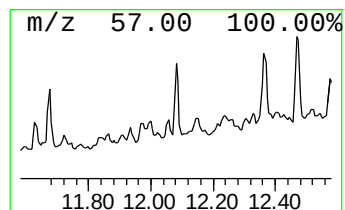
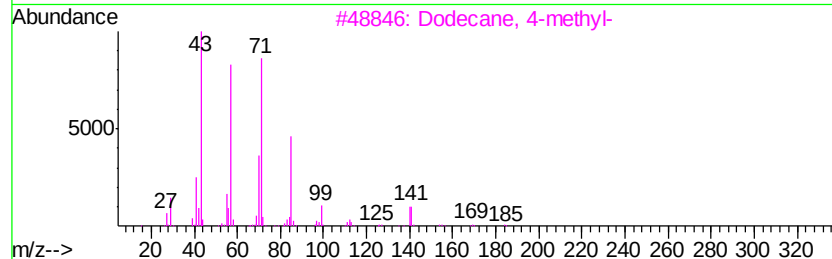
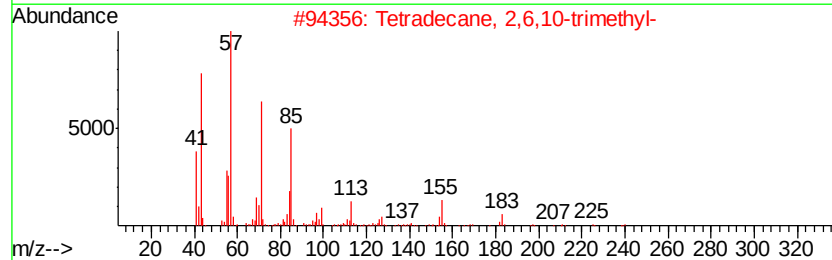
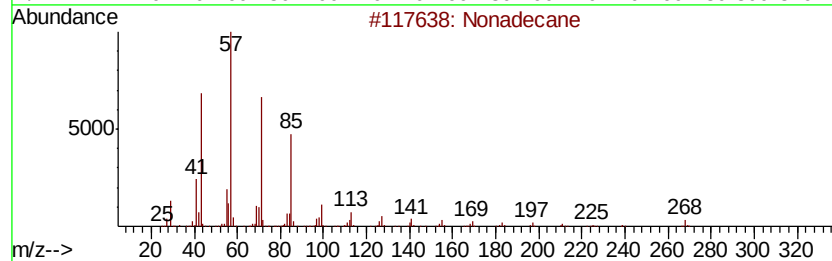
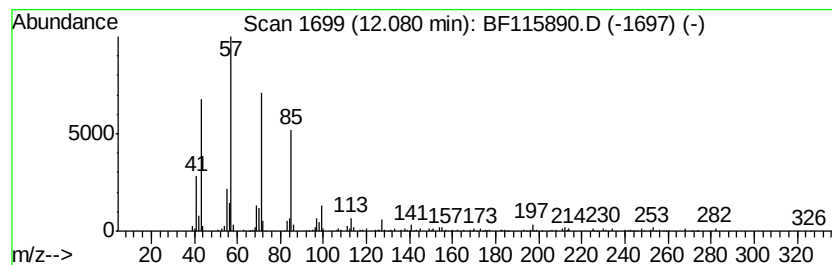
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 8 Nonadecane Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.08	2.07 ng	101487	Phenanthrene-d10	11.38

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	Nonadecane		268	C19H40	000629-92-5	93
2	Tetradecane, 2,6,10-trimethyl-		240	C17H36	014905-56-7	87
3	Dodecane, 4-methyl-		184	C13H28	006117-97-1	87
4	Pentadecane		212	C15H32	000629-62-9	86
5	Eicosane		282	C20H42	000112-95-8	86



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF073119\
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Operator : HP/JU
Sample : K4049-05 5X
Misc :
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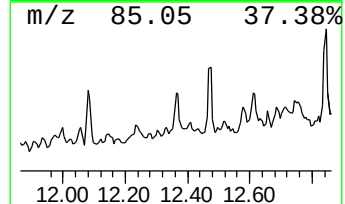
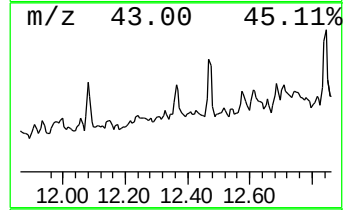
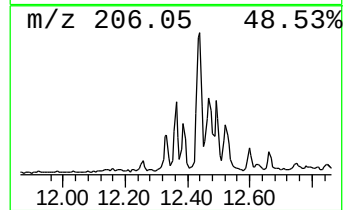
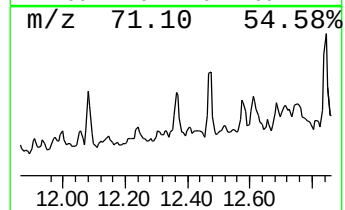
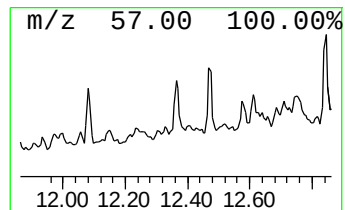
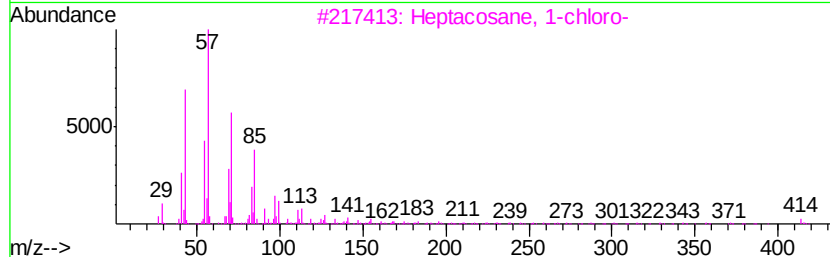
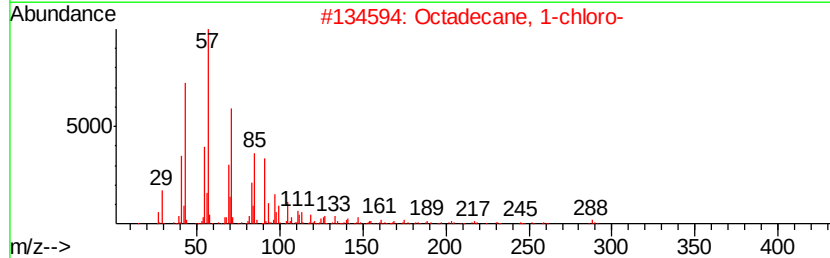
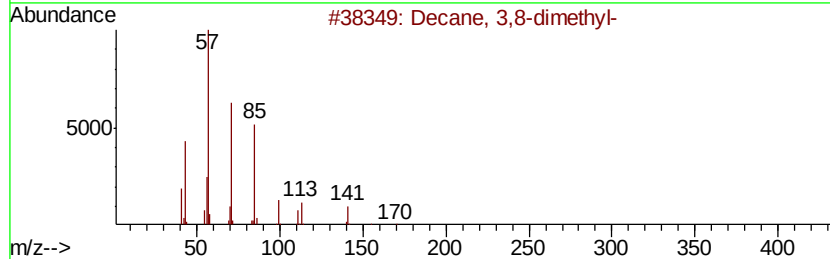
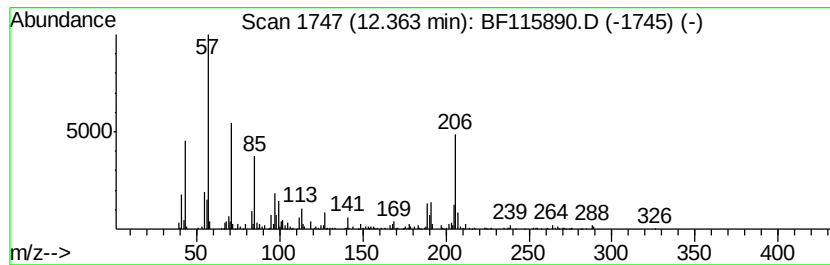
Instrument :
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 9 Decane, 3,8-dimethyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.36	2.34 ng	114366	Phenanthrene-d10	11.38
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1	Decane, 3,8-dimethyl-	170 C12H26	017312-55-9	50
2	Octadecane, 1-chloro-	288 C18H37Cl	003386-33-2	49
3	Heptacosane, 1-chloro-	414 C27H55Cl	062016-79-9	49
4	Hentriacontane	437 C31H64	000630-04-6	46
5	Hexadecane, 2,6,10,14-tetramethyl-	282 C20H42	000638-36-8	46



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF073119\
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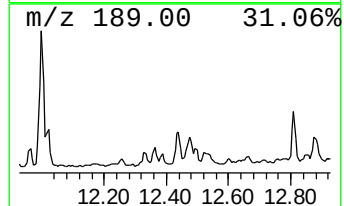
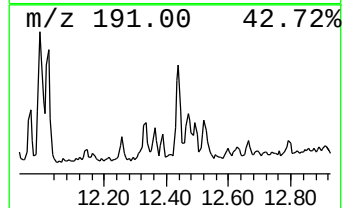
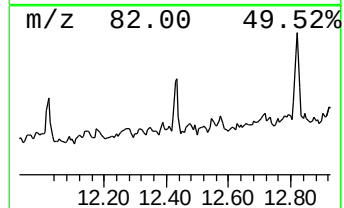
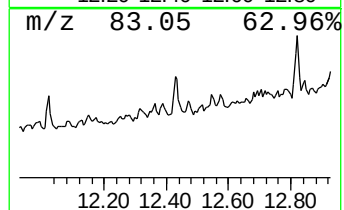
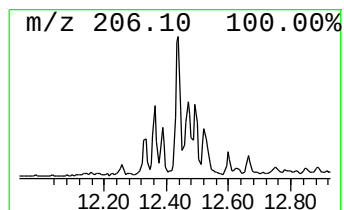
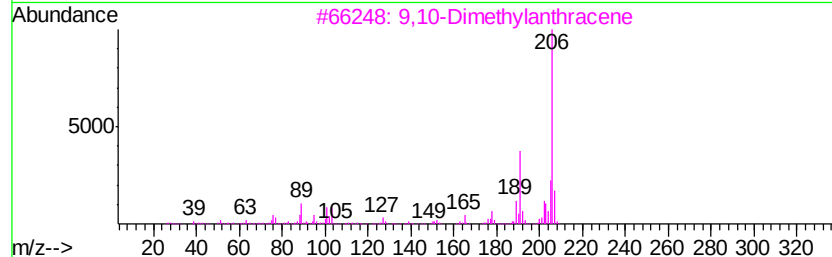
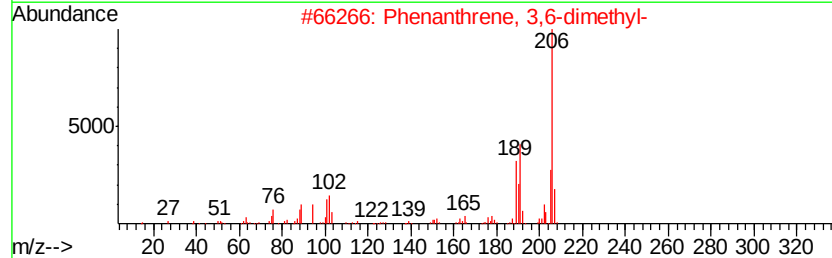
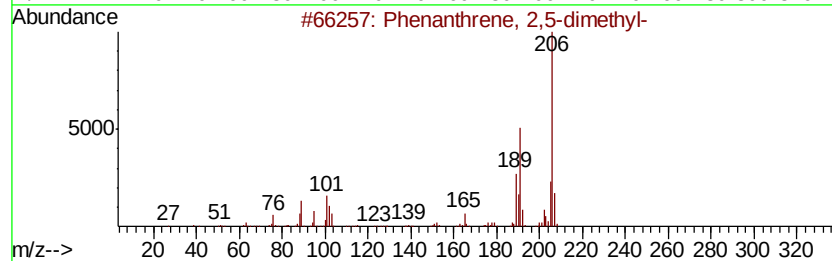
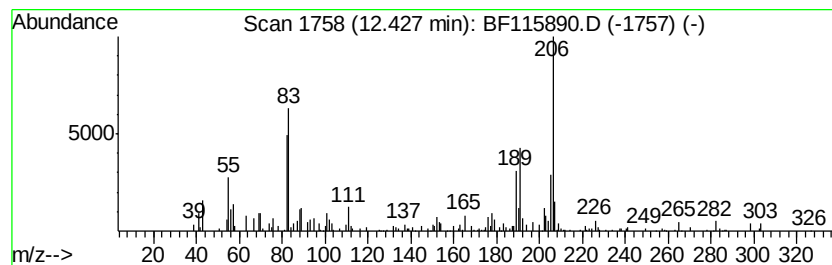
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 10 Phenanthrene, 2,5-dimethyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.	
12.43	2.11 ng	103097	Phenanthrene-d10	11.38	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	98
2	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	89
3	9,10-Dimethylanthracene	206	C16H14	000781-43-1	89
4	di-p-Tolylacetylene	206	C16H14	002789-88-0	89
5	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	89



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF073119\
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Sample : K4049-05 5X
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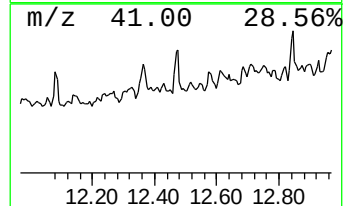
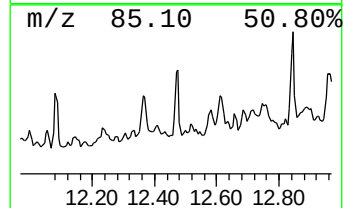
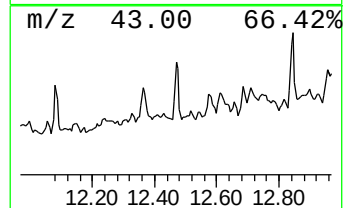
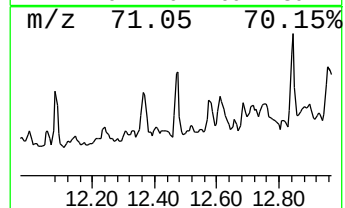
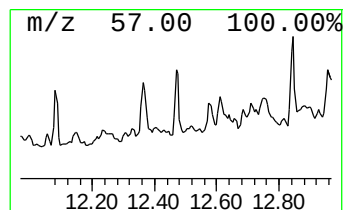
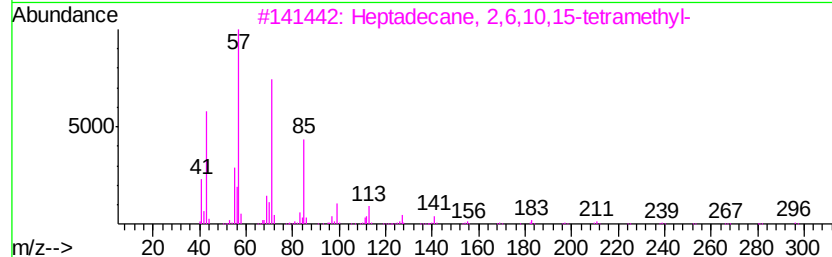
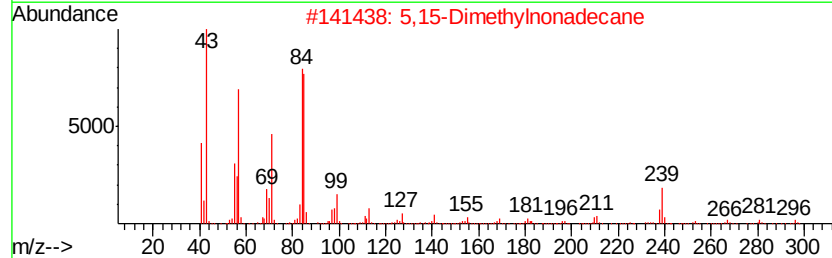
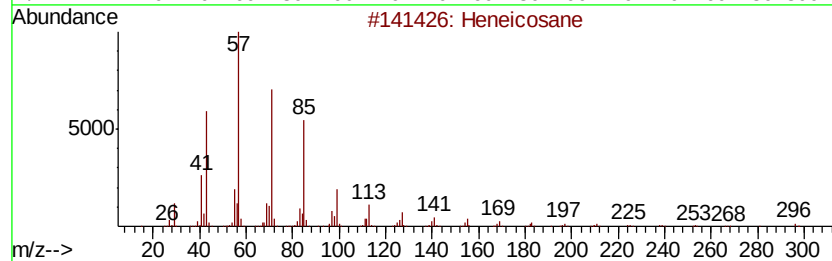
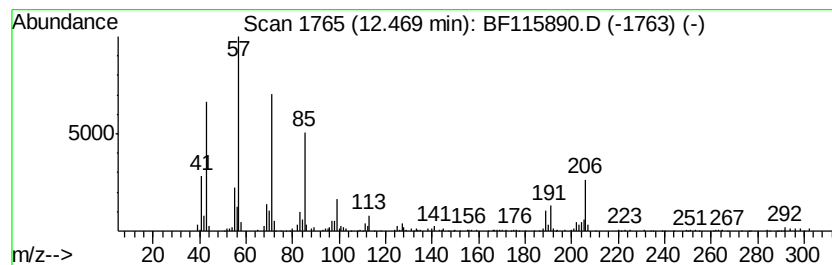
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 11 Heneicosane Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.	
12.47	3.15 ng	154015	Phenanthrene-d10	11.38	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heneicosane	296	C21H44	000629-94-7	86
2	5,15-Dimethylnonadecane	296	C21H44	1000131-09-1	83
3	Heptadecane, 2,6,10,15-tetramethyl-	296	C21H44	054833-48-6	70
4	Heptadecane	240	C17H36	000629-78-7	62
5	Eicosane, 10-methyl-	296	C21H44	054833-23-7	62



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF073119\
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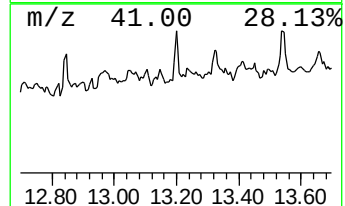
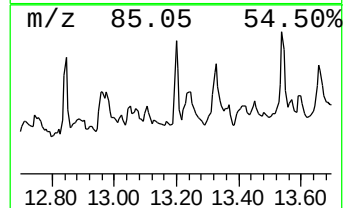
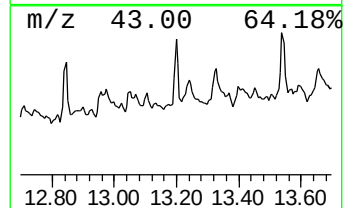
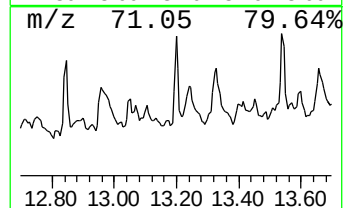
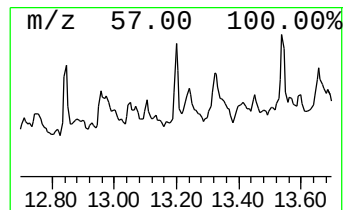
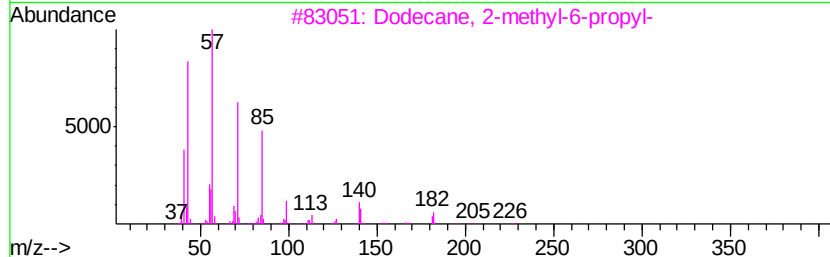
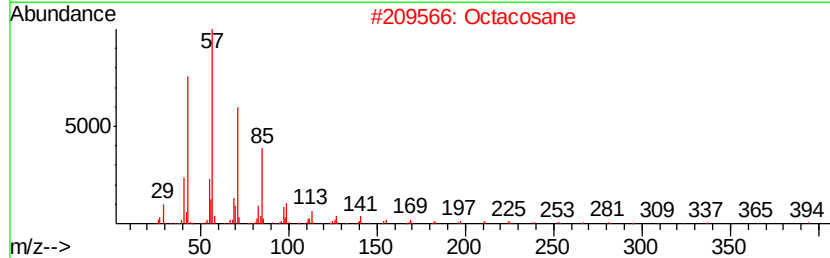
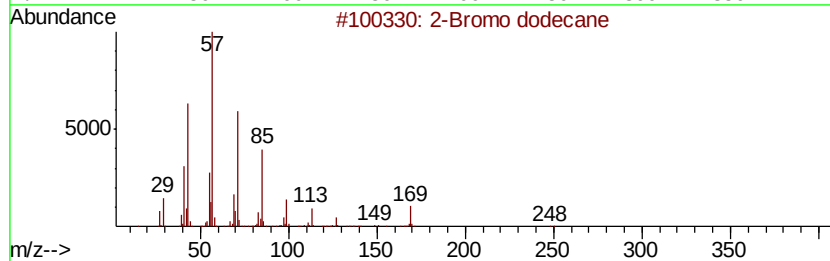
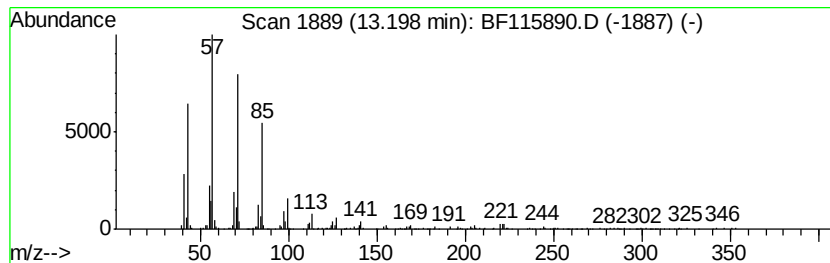
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 12 2-Bromo dodecane Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.20	2.99 ng	173248	Chrysene-d12	14.03
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1	2-Bromo dodecane	248 C12H25Br	013187-99-0	93
2	Octacosane	394 C28H58	000630-02-4	91
3	Dodecane, 2-methyl-6-propyl-	226 C16H34	055045-08-4	90
4	Borane, diethyl(decyloxy)-	226 C14H31BO	1000152-34-3	90
5	Heptadecane	240 C17H36	000629-78-7	90



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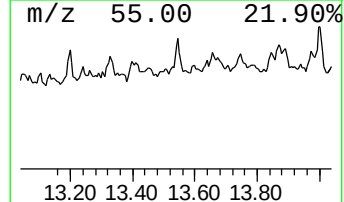
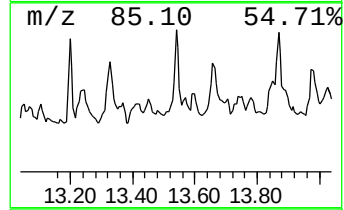
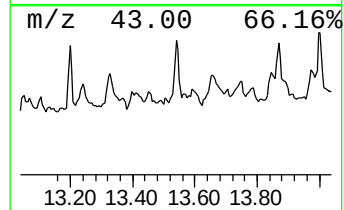
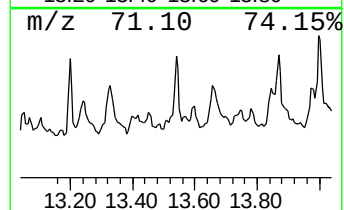
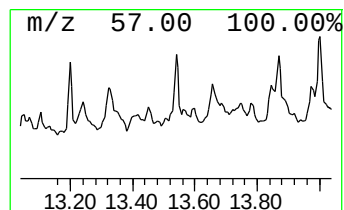
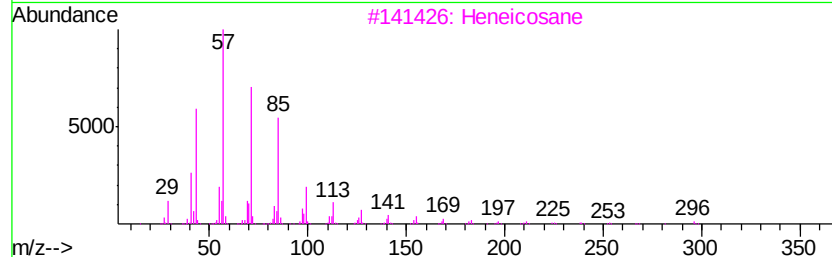
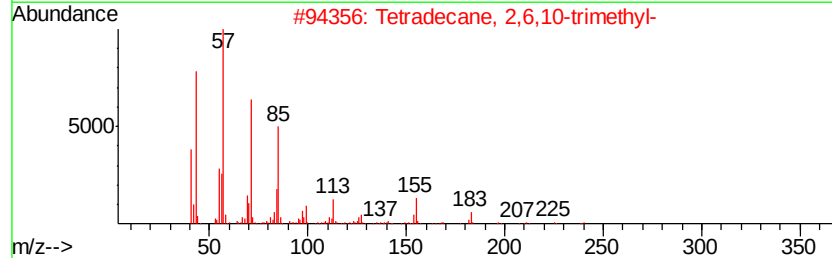
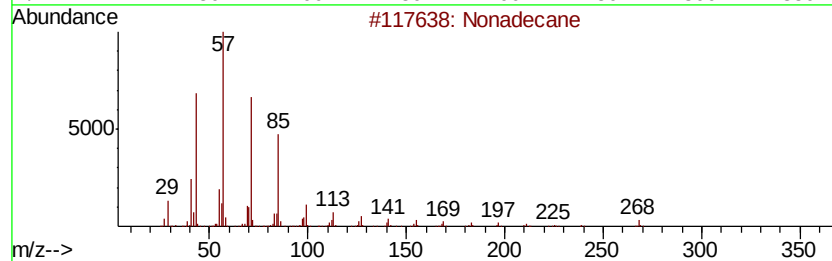
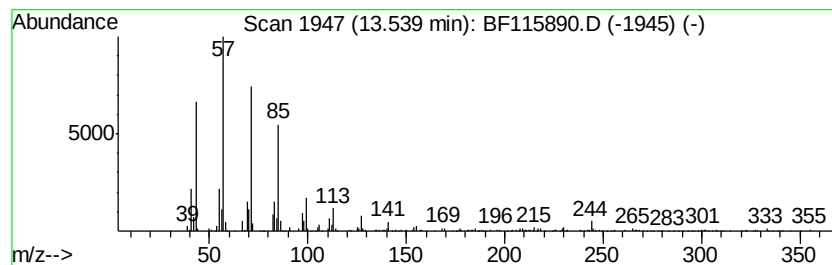
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 13 Tetradecane, 2,6,10-trimethyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.54	3.72 ng	215583	Chrysene-d12	14.03

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Nonadecane	268	C19H40	000629-92-5	93
2		Tetradecane, 2,6,10-trimethyl-	240	C17H36	014905-56-7	90
3		Heneicosane	296	C21H44	000629-94-7	90
4		1-Iodo-2-methylundecane	296	C12H25I	073105-67-6	87
5		Hexacosane	366	C26H54	000630-01-3	86



Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF073119\
Data File : BF115890.D
Acq On : 1 Aug 2019 2:05
Operator : HP/JU
Sample : K4049-05 5X
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SP-5

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF073019.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
1,3,5-Cycloheptat...	3.90	9.4	ng	333247	1	6.85	705376	20.0
unknown6.62	6.62	16.3	ng	575353	1	6.85	705376	20.0
Hexadecane, 2,6,1...	10.81	3.7	ng	181665	4	11.38	979094	20.0
Hexacosane	11.28	2.7	ng	131950	4	11.38	979094	20.0
Phenanthrene, 1-m...	11.91	2.6	ng	125843	4	11.38	979094	20.0
4H-Cyclopenta[def...	12.00	2.2	ng	106008	4	11.38	979094	20.0
Nonadecane	12.08	2.1	ng	101487	4	11.38	979094	20.0
Decane, 3,8-dimet...	12.36	2.3	ng	114366	4	11.38	979094	20.0
Phenanthrene, 2,5...	12.43	2.1	ng	103097	4	11.38	979094	20.0
Heneicosane	12.47	3.1	ng	154015	4	11.38	979094	20.0
2-Bromo dodecane	13.20	3.0	ng	173248	5	14.03	1160530	20.0
Tetradecane, 2,6,...	13.54	3.7	ng	215583	5	14.03	1160530	20.0