

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF080519\
 Data File : BF115996.D
 Acq On : 5 Aug 2019 22:41
 Operator : HP/JU
 Sample : K4156-13
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 RBR-200035

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	5.463	571	574	593	rBV	1916410	1998803	75.78%	6.071%
2	6.475	742	746	766	rBV	2220353	2177866	82.57%	6.615%
3	6.616	766	770	773	rBV	2392657	2182798	82.76%	6.630%
4	6.839	805	808	818	rBV	816280	779301	29.55%	2.367%
5	6.998	831	835	851	rBV	2096220	1791284	67.91%	5.441%
6	7.404	900	904	936	rBV	1388314	1425080	54.03%	4.329%
7	8.122	1023	1026	1042	rBV	1088871	1000683	37.94%	3.039%
8	9.198	1205	1209	1212	rBV	3043561	2637598	100.00%	8.011%
9	9.469	1249	1255	1258	rBV	23070	37807	1.43%	0.115%
10	9.533	1263	1266	1269	rVV	30622	36089	1.37%	0.110%
11	9.586	1273	1275	1280	rBV	157927	159158	6.03%	0.483%
12	9.745	1298	1302	1305	rBV2	36800	57018	2.16%	0.173%
13	9.874	1318	1324	1328	rBV	1338053	1250398	47.41%	3.798%
14	9.910	1328	1330	1333	rVB	160306	131314	4.98%	0.399%
15	10.080	1357	1359	1362	rBV	65164	63501	2.41%	0.193%
16	10.286	1391	1394	1396	rBV2	92758	89369	3.39%	0.271%
17	10.427	1415	1418	1421	rBV	132233	142588	5.41%	0.433%
18	10.663	1455	1458	1464	rBV	1378624	1494794	56.67%	4.540%
19	10.792	1478	1480	1483	rVB	152510	143417	5.44%	0.436%
20	11.263	1557	1560	1564	rVB	201718	220255	8.35%	0.669%
21	11.363	1574	1577	1579	rBV	1251092	1116649	42.34%	3.392%
22	11.386	1579	1581	1585	rVB	751737	641554	24.32%	1.949%
23	12.580	1780	1784	1788	rVB	1374154	1203146	45.62%	3.654%
24	12.804	1817	1822	1826	rBV	947568	1064566	40.36%	3.234%
25	12.945	1842	1846	1849	rBV	2497172	2261471	85.74%	6.869%
26	13.757	1981	1984	1986	rBV	105578	108693	4.12%	0.330%
27	13.851	1997	2000	2003	rBV2	121722	144182	5.47%	0.438%
28	14.004	2021	2026	2028	rBV2	967569	1119208	42.43%	3.399%
29	14.027	2028	2030	2038	rVB	504359	481738	18.26%	1.463%
30	14.157	2050	2052	2054	rBV	83165	63397	2.40%	0.193%
31	14.233	2060	2065	2068	rBV3	120446	192591	7.30%	0.585%
32	14.262	2068	2070	2074	rVB	176489	186008	7.05%	0.565%
33	14.321	2075	2080	2083	rVV2	190855	304763	11.55%	0.926%
34	14.392	2090	2092	2096	rVV3	88181	88691	3.36%	0.269%

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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 >
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35	14.457	2099	2103	2110	rVV2	352687	615654	23.34%	1.870%
36	14.515	2111	2113	2120	rVB3	143608	209974	7.96%	0.638%
37	14.615	2126	2130	2137	rBV	772224	1211829	45.94%	3.681%
38	14.762	2153	2155	2158	rVB	97886	88304	3.35%	0.268%
39	15.039	2198	2202	2205	rBV	572666	796140	30.18%	2.418%
40	15.098	2210	2212	2217	rVV3	177955	227368	8.62%	0.691%
41	15.145	2218	2220	2224	rVV2	85656	100068	3.79%	0.304%
42	15.339	2250	2253	2260	rVB	335910	440394	16.70%	1.338%
43	15.404	2260	2264	2270	rVB	340367	409553	15.53%	1.244%
44	15.468	2270	2275	2279	rBV	751446	989295	37.51%	3.005%
45	15.904	2345	2349	2353	rVB	134735	184798	7.01%	0.561%
46	16.927	2518	2523	2529	rBV	201775	395178	14.98%	1.200%
47	17.368	2594	2598	2615	rVB	183273	458448	17.38%	1.392%

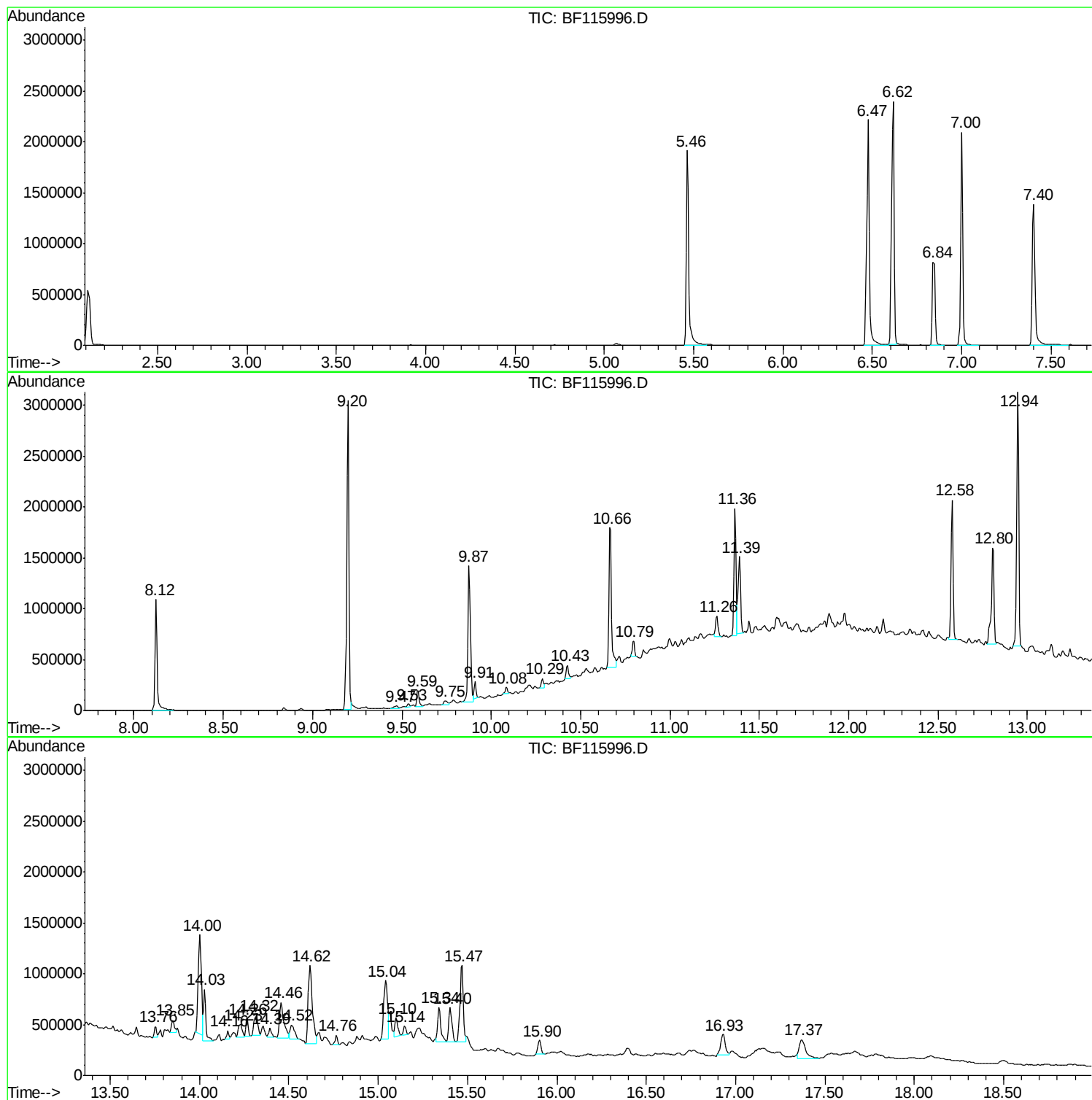
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF073019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



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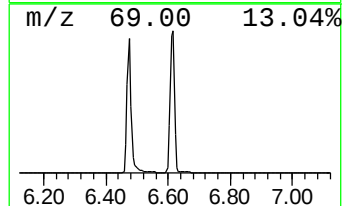
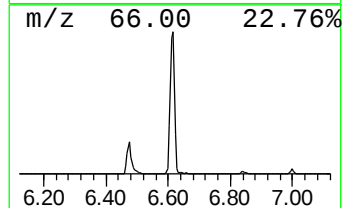
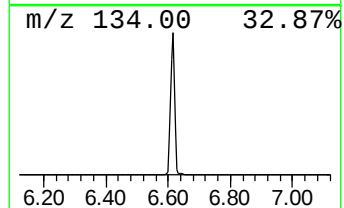
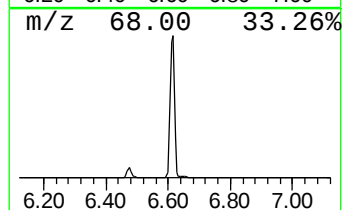
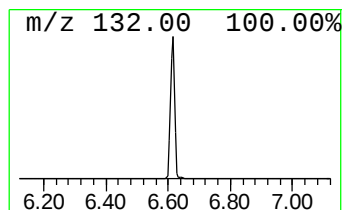
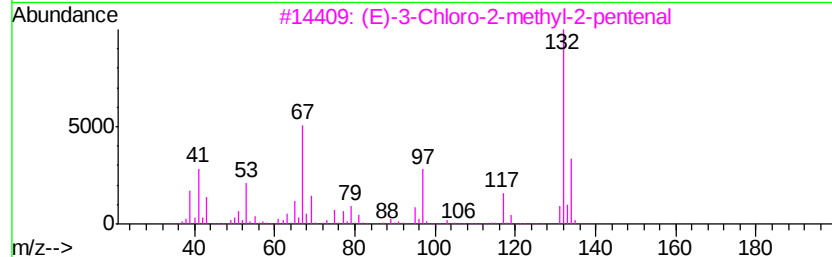
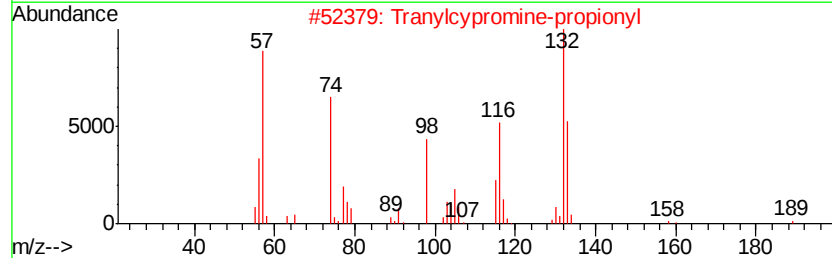
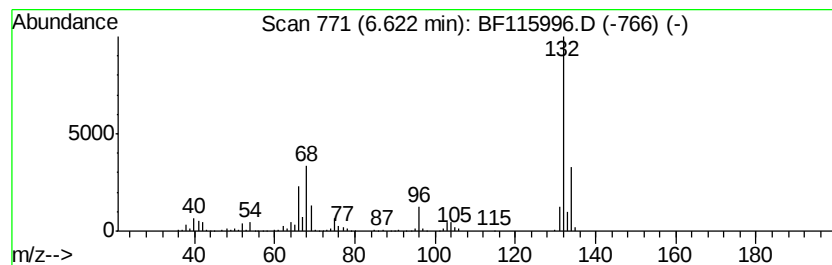
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TIC Library : C:\DATABASE\NIST11.L
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Peak Number 1 unknown6.62 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.62	56.02 ng	2182800	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	27
2		Tranvlcypropine-propionyl	189	C12H15NO	1000123-86-3	12
3		(E)-3-Chloro-2-methyl-2-pentenal	132	C6H9ClO	031357-76-3	9
4		2H-Cyclopenta[d]pyridazine, 2-me...	132	C8H8N2	022291-85-6	9
5		5-Fluoro-2-chloropyrimidine	132	C4H2ClFN2	062802-42-0	9



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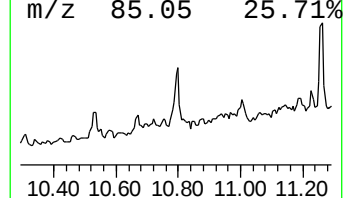
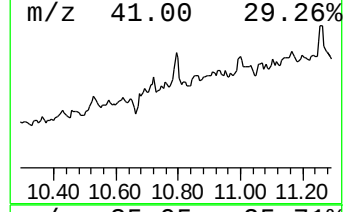
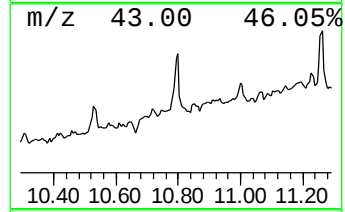
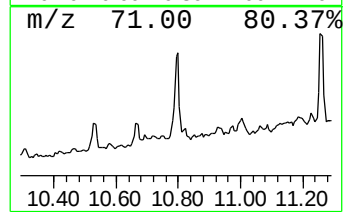
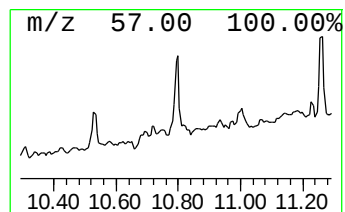
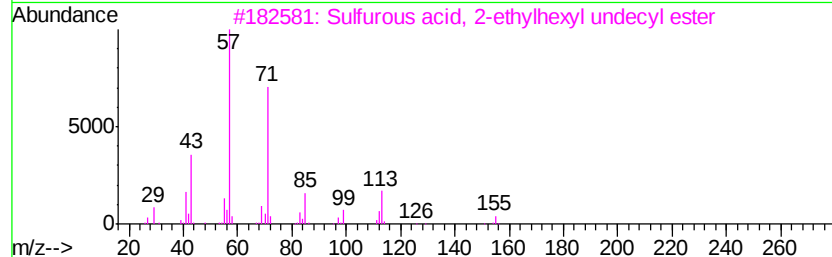
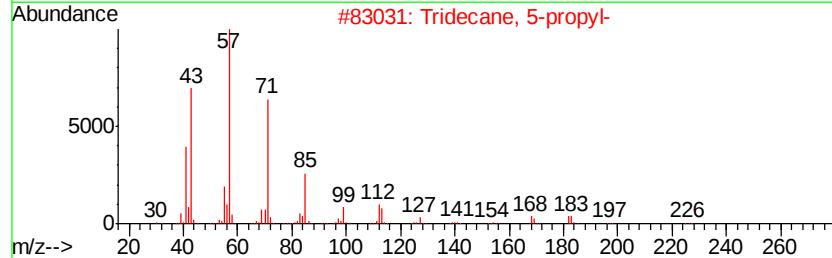
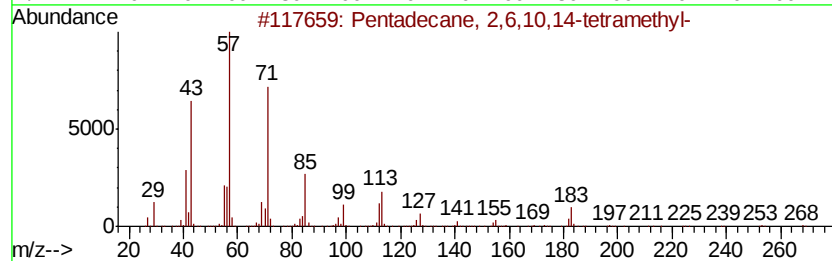
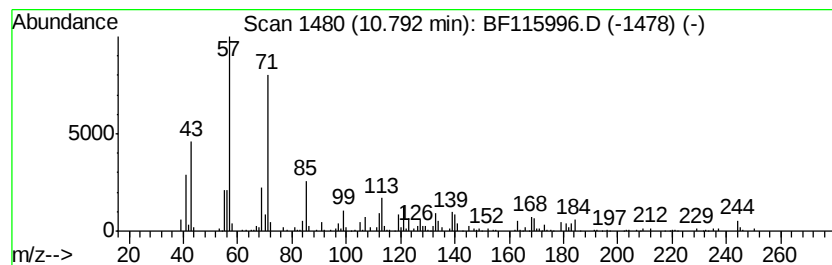
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 3 Pentadecane, 2,6,10,14-tetr... Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.	
10.79	2.57 ng	143417	Phenanthrene-d10	11.36	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentadecane, 2,6,10,14-tetramethyl-	268	C19H40	001921-70-6	64
2	Tridecane, 5-propyl-	226	C16H34	055045-11-9	58
3	Sulfurous acid, 2-ethylhexyl und...	348	C19H40O3S	1000309-19-4	53
4	Dodecane, 2-methyl-8-propyl-	226	C16H34	055045-07-3	53
5	Sulfurous acid, 2-ethylhexyl non...	320	C17H36O3S	1000309-19-2	52



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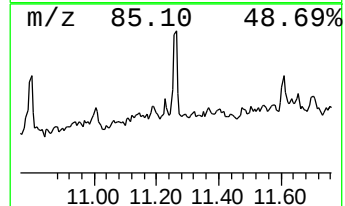
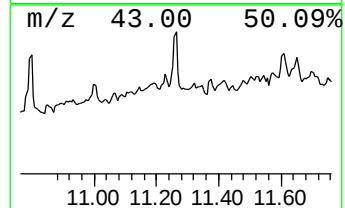
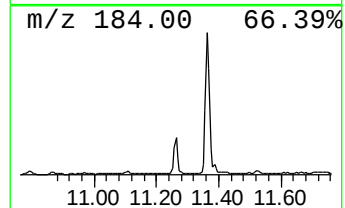
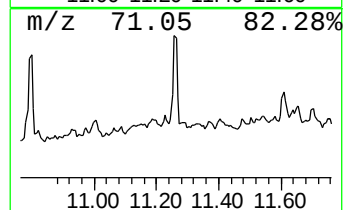
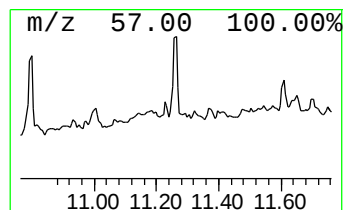
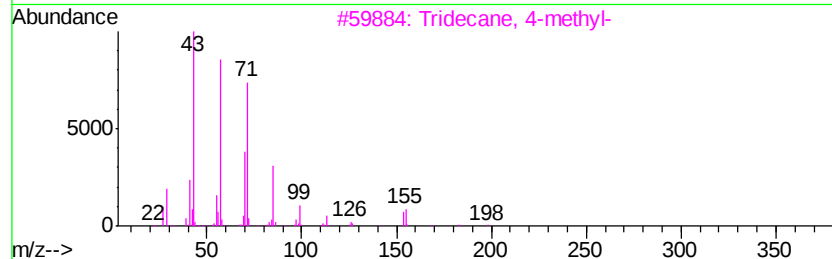
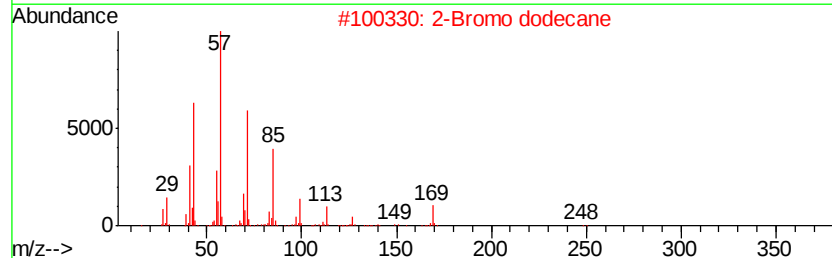
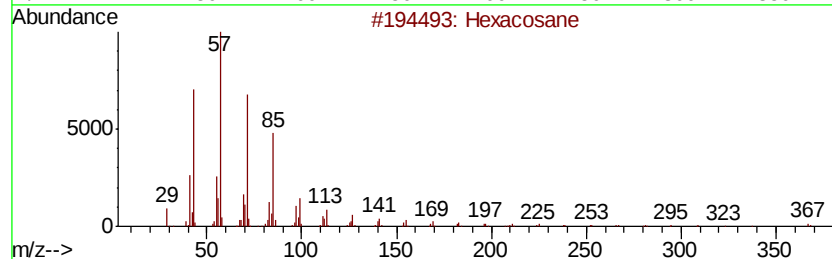
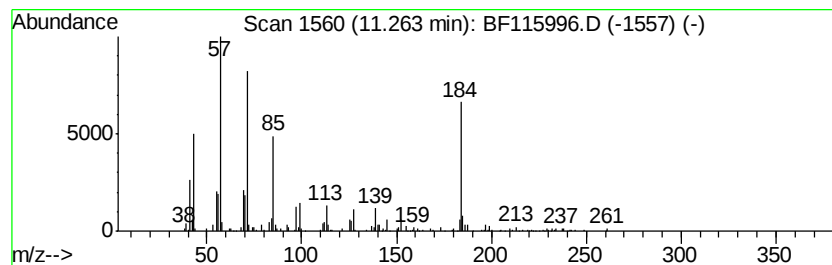
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TIC Library : C:\DATABASE\NIST11.L
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Peak Number 4 Hexacosane Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.26	3.94 ng	220255	Phenanthrene-d10	11.36

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Hexacosane	366	C26H54	000630-01-3	64
2		2-Bromo dodecane	248	C12H25Br	013187-99-0	58
3		Tridecane, 4-methyl-	198	C14H30	026730-12-1	58
4		Heptadecane, 2,6,10,15-tetramethyl-	296	C21H44	054833-48-6	58
5		10-Methylnonadecane	282	C20H42	056862-62-5	58



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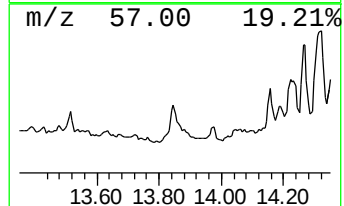
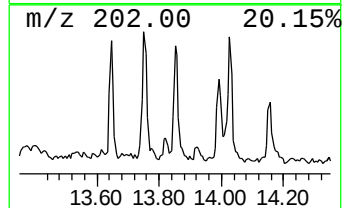
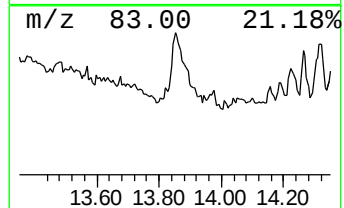
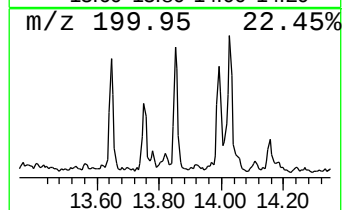
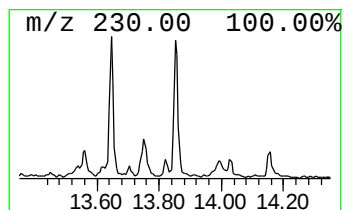
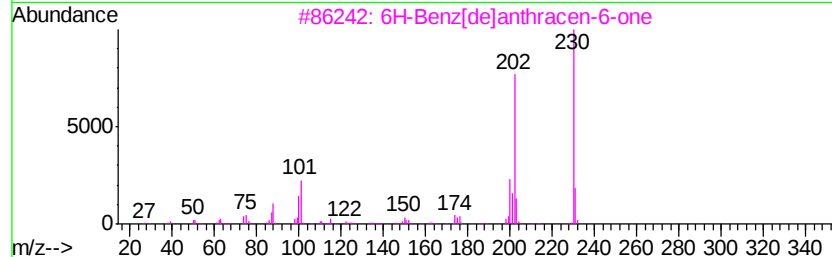
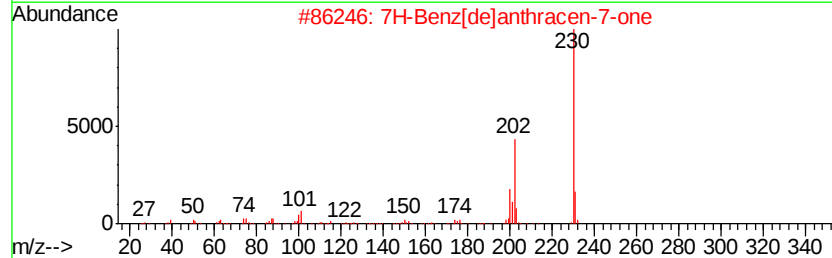
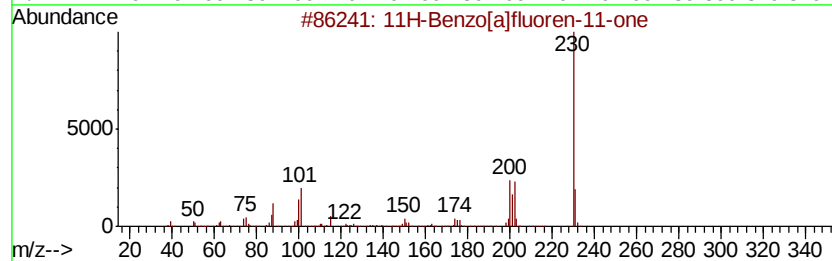
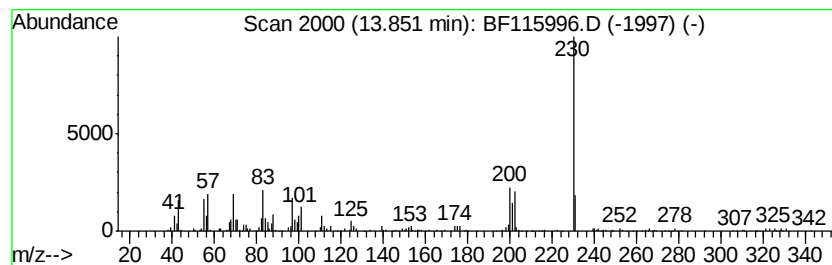
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 5 11H-Benzo[a]fluoren-11-one Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.85	2.58 ng	144182	Chrysene-d12	14.00

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		11H-Benzo[a]fluoren-11-one	230	C17H10O	000479-79-8	90
2		7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	70
3		6H-Benz[de]anthracen-6-one	230	C17H10O	080252-14-8	50
4		o-Terphenyl	230	C18H14	000084-15-1	47
5		1-Pyrenecarboxaldehyde	230	C17H10O	003029-19-4	45



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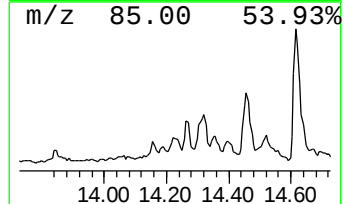
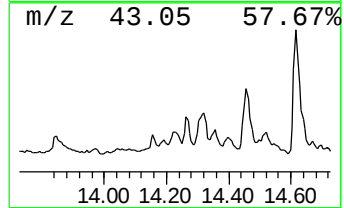
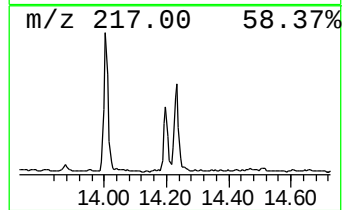
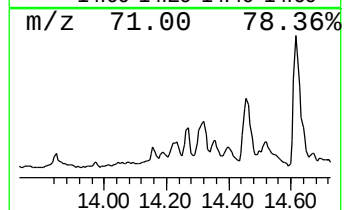
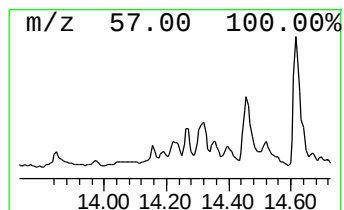
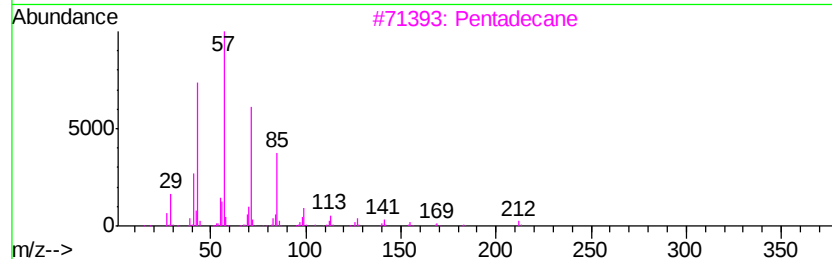
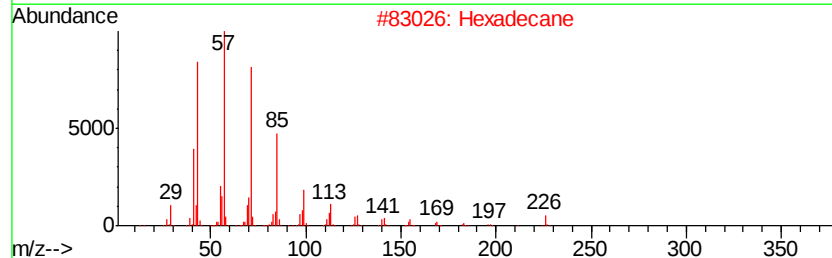
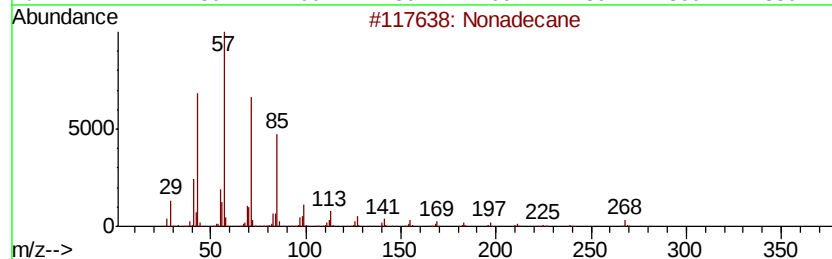
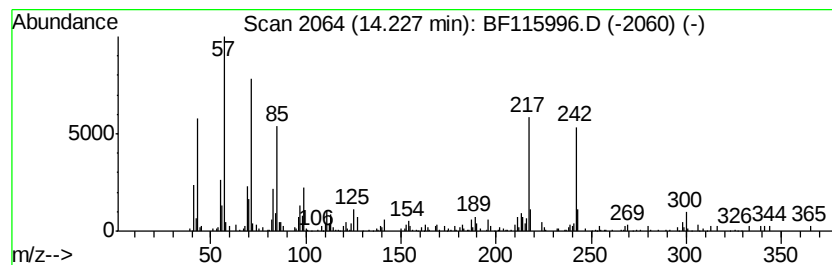
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 6 Nonadecane Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.23	3.44 ng	192591	Chrysene-d12	14.00

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	Nonadecane		268	C19H40	000629-92-5	64
2	Hexadecane		226	C16H34	000544-76-3	64
3	Pentadecane		212	C15H32	000629-62-9	64
4	Octadecane		254	C18H38	000593-45-3	62
5	Tetradecane		198	C14H30	000629-59-4	52



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF080519\
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Operator : HP/JU
Sample : K4156-13
Misc :
ALS Vial : 17 Sample Multiplier: 1

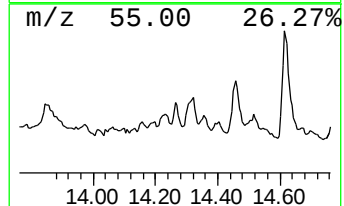
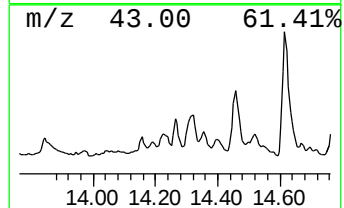
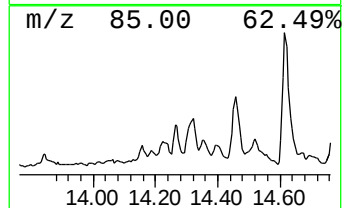
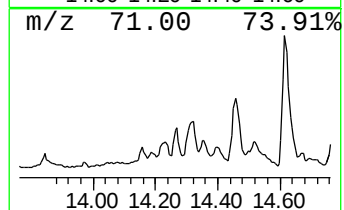
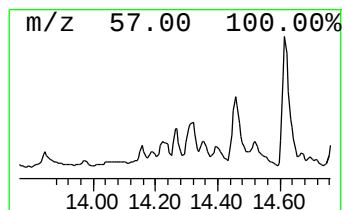
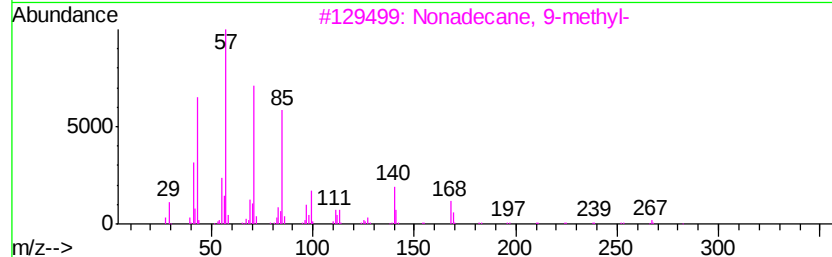
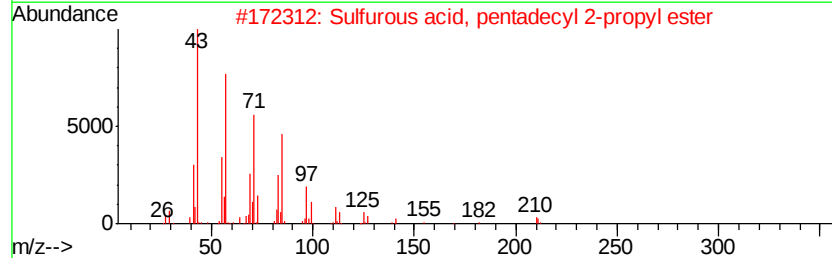
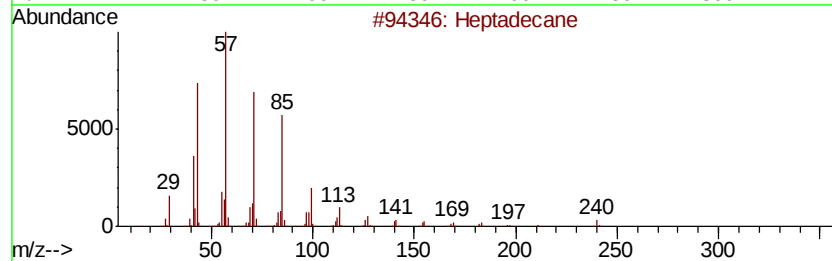
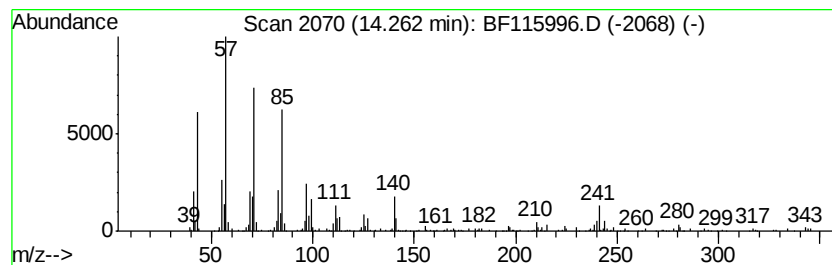
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 7 Heptadecane Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.	
14.26	3.32 ng	186008	Chrysene-d12	14.00	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptadecane	240	C17H36	000629-78-7	83
2	Sulfurous acid, pentadecyl 2-pro...	334	C18H38O3S	1000309-12-6	74
3	Nonadecane, 9-methyl-	282	C20H42	013287-24-6	68
4	Hexacosane	366	C26H54	000630-01-3	62
5	10-Methylnonadecane	282	C20H42	056862-62-5	58



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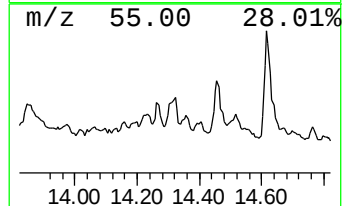
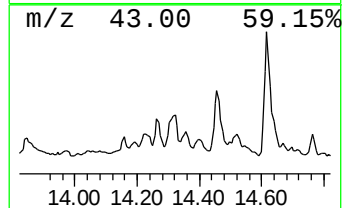
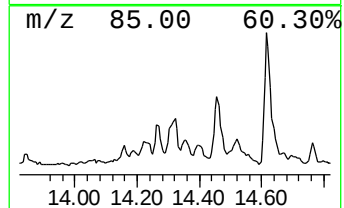
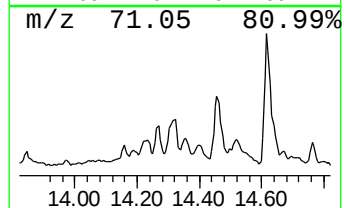
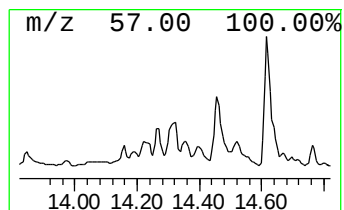
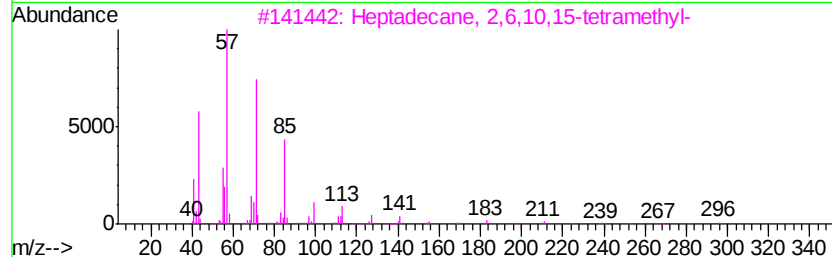
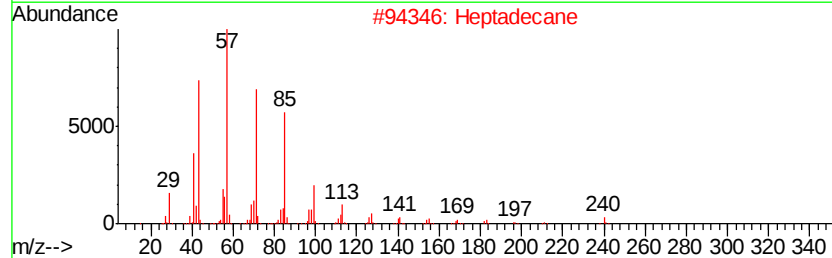
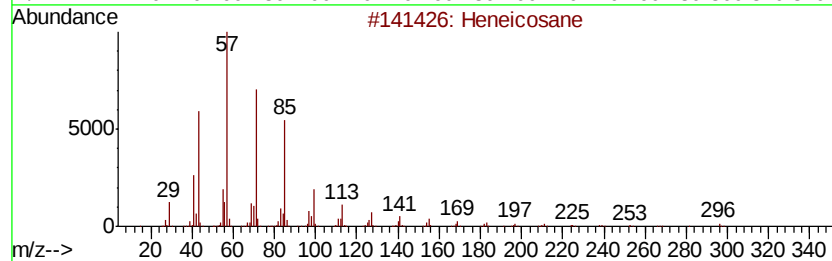
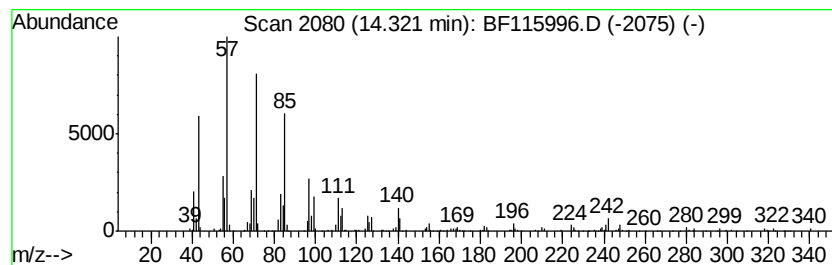
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 8 Heneicosane Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.32	5.45 ng	304763	Chrysene-d12	14.00

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Heneicosane	296	C21H44	000629-94-7	95
2		Heptadecane	240	C17H36	000629-78-7	89
3		Heptadecane, 2,6,10,15-tetramethyl-	296	C21H44	054833-48-6	76
4		Hexacosane	366	C26H54	000630-01-3	74
5		Tetracosane	338	C24H50	000646-31-1	74



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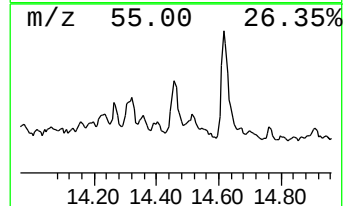
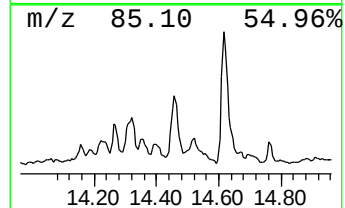
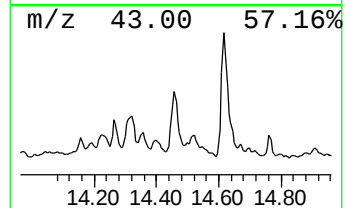
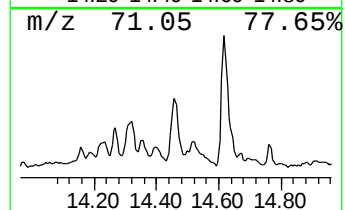
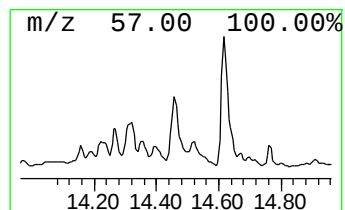
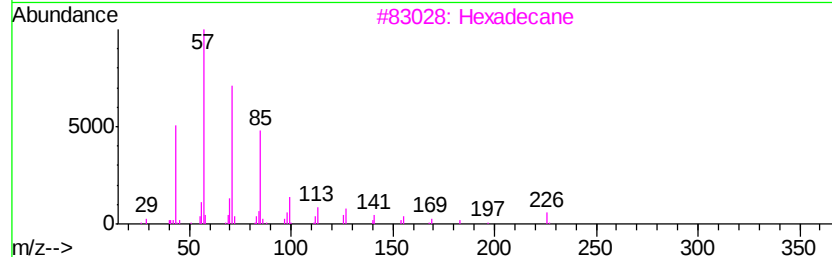
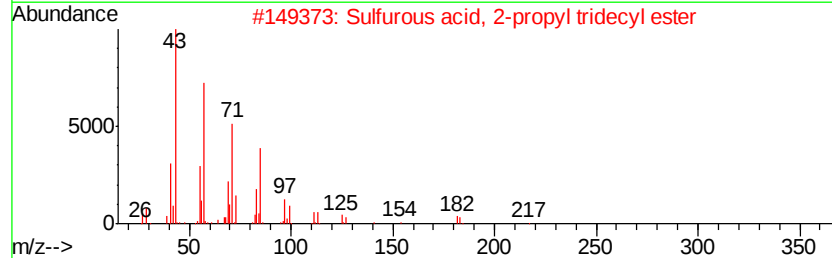
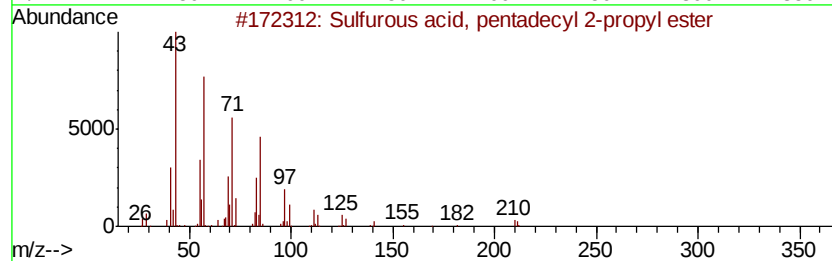
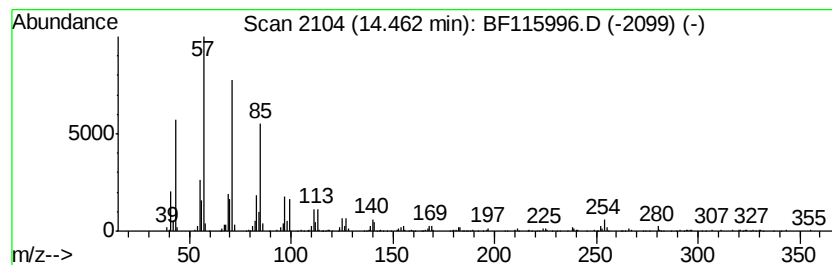
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 9 Sulfurous acid, pentadecyl ... Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.46	11.00 ng	615654	Chrysene-d12	14.00

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Sulfurous acid, pentadecyl 2-pro...	334	C18H38O3S	1000309-12-6	91
2		Sulfurous acid, 2-propyl tridecyl...	306	C16H34O3S	1000309-12-4	91
3		Hexadecane	226	C16H34	000544-76-3	90
4		Hentriacontane	437	C31H64	000630-04-6	87
5		Hexacosane	366	C26H54	000630-01-3	87



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF080519\
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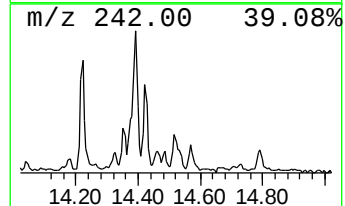
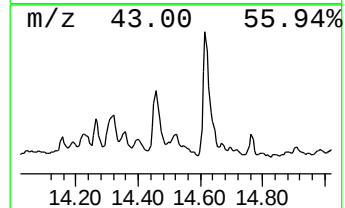
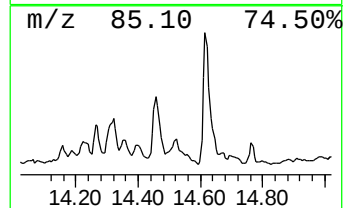
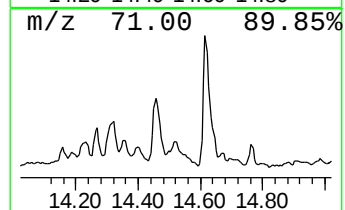
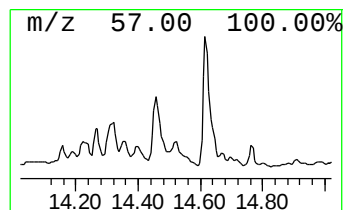
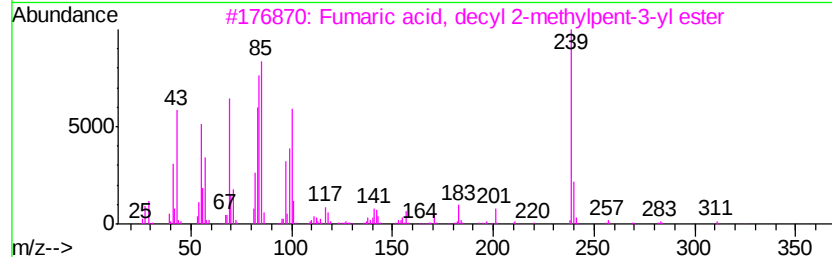
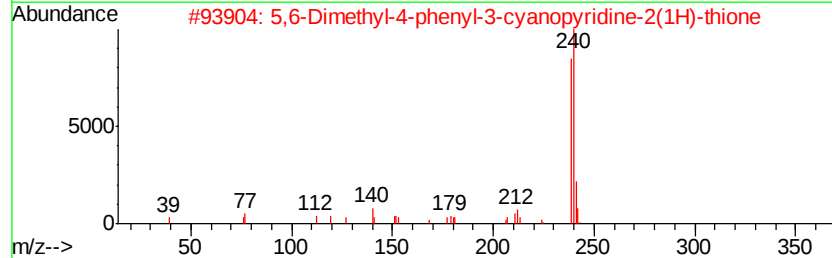
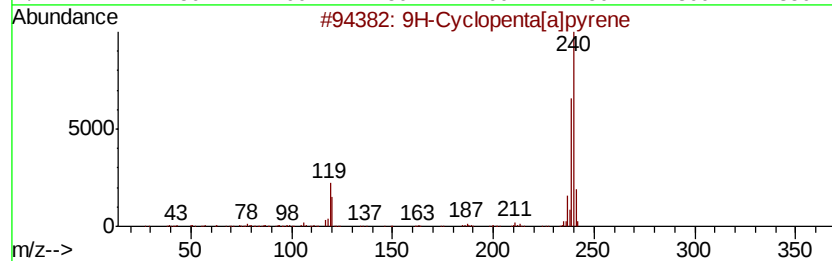
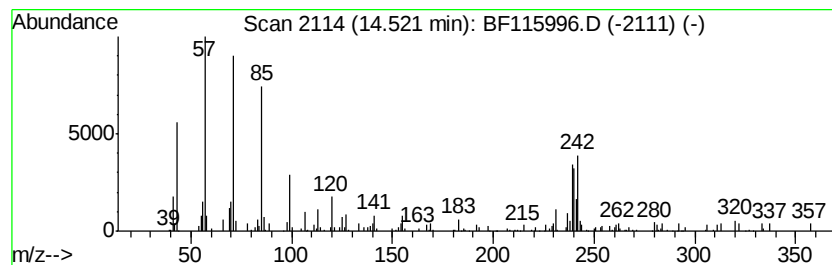
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 10 unknown14.25 Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.52	3.75 ng	209974	Chrysene-d12	14.00

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	9H-Cyclopenta[a]pyrene	240	C19H12	050861-05-7	45
2		5,6-Dimethyl-4-phenyl-3-cyanopyr...	240	C14H12N2S	094639-18-6	25
3		Fumaric acid, decyl 2-methylpent...	340	C20H36O4	1000348-76-7	22
4		2,5-Cyclohexadien-1-one, 4-(3,5-...	240	C16H16O2	004906-22-3	18
5		Palmitic acid vinyl ester	282	C18H34O2	000693-38-9	16



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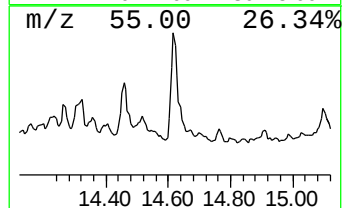
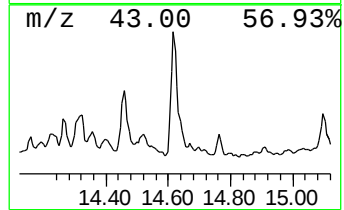
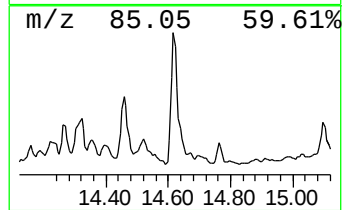
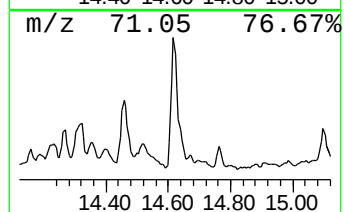
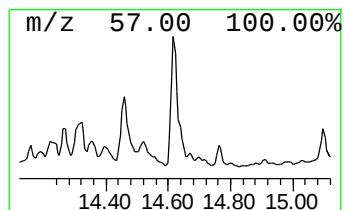
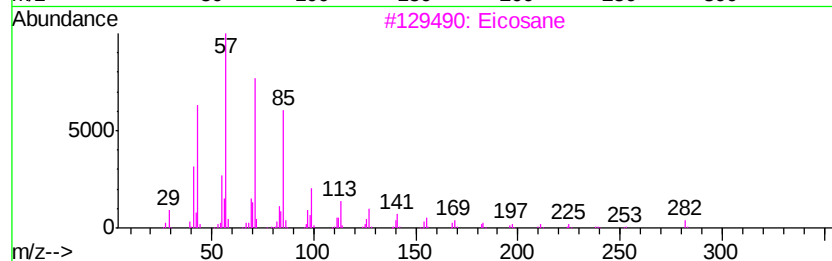
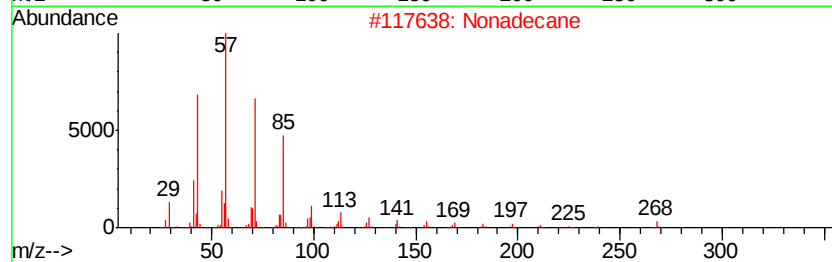
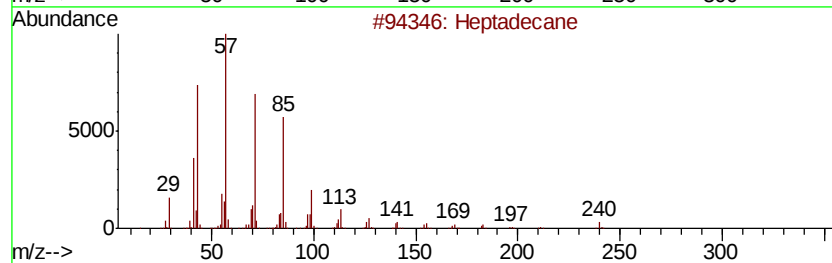
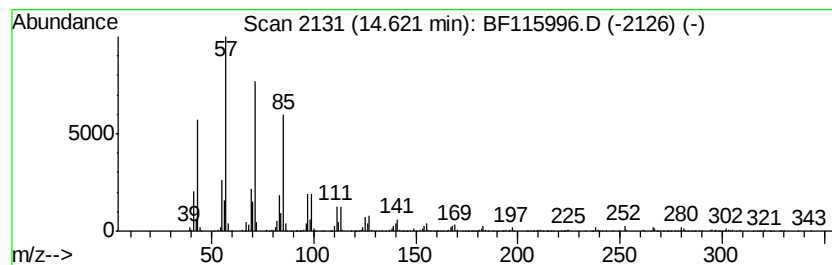
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TIC Library : C:\DATABASE\NIST11.L
 TIC Integration Parameters: LSCINT.P

 Peak Number 11 Eicosane Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.62	21.66 ng	1211830	Chrysene-d12	14.00

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Heptadecane	240	C17H36	000629-78-7	94
2		Nonadecane	268	C19H40	000629-92-5	93
3		Eicosane	282	C20H42	000112-95-8	90
4		Nonadecane, 9-methyl-	282	C20H42	013287-24-6	90
5		2-methyloctacosane	408	C29H60	1000376-72-8	87



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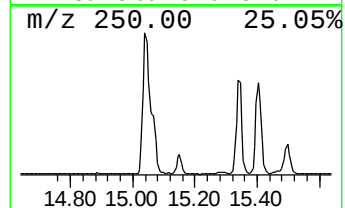
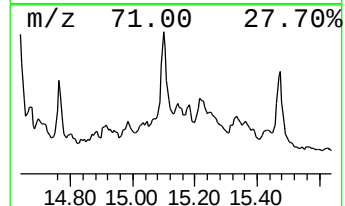
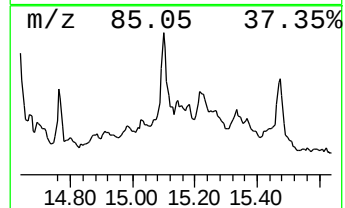
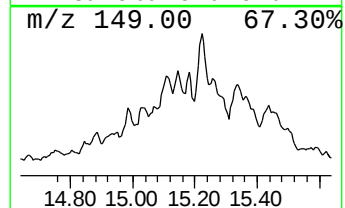
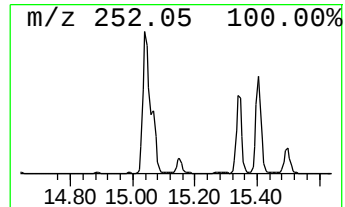
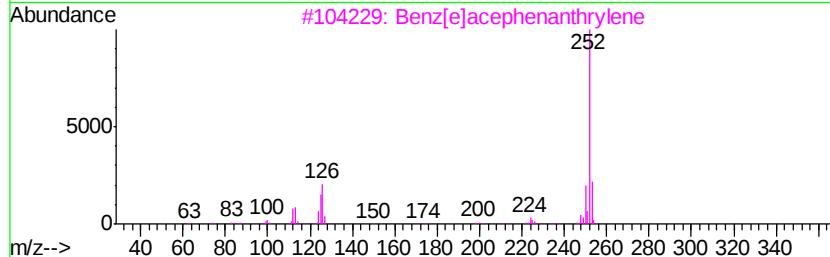
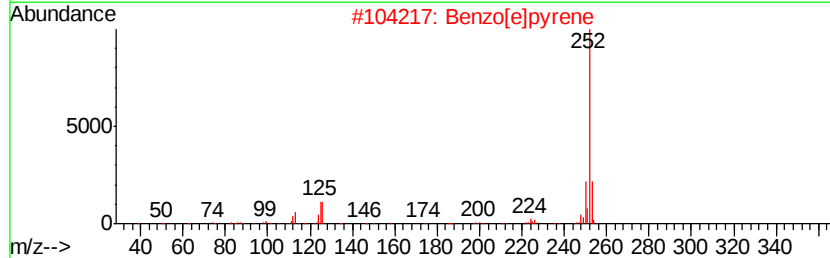
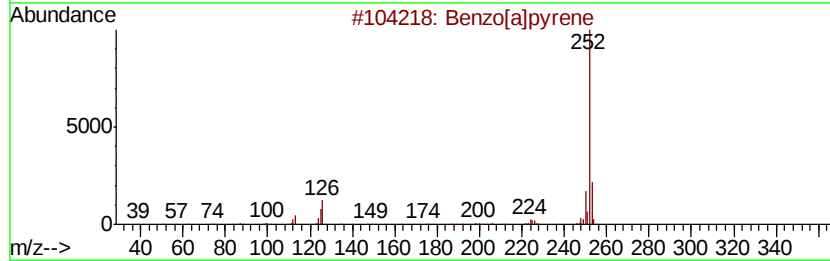
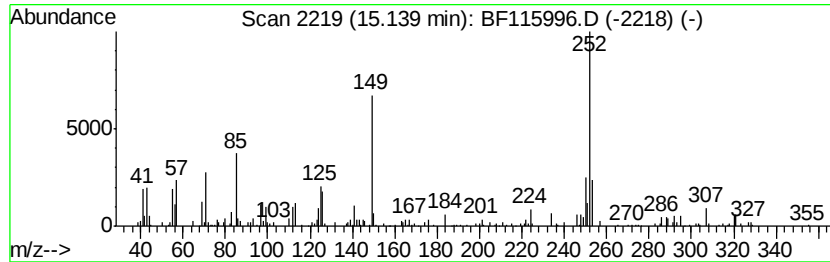
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 12 Benzo[e]pyrene Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.14	2.02 ng	100068	Perylene-d12	15.46

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzo[a]pyrene	252	C20H12	000050-32-8	92
2		Benzo[e]pyrene	252	C20H12	000192-97-2	86
3		Benzo[e]acephenanthrylene	252	C20H12	000205-99-2	83
4		Benzo[k]fluoranthene	252	C20H12	000207-08-9	78
5		Perylene	252	C20H12	000198-55-0	70



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF080519\
Data File : BF115996.D
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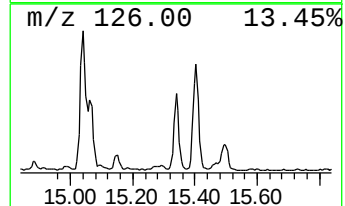
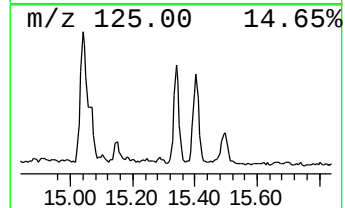
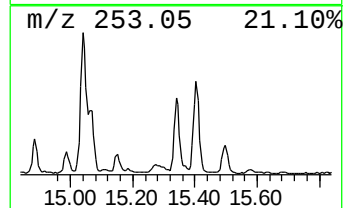
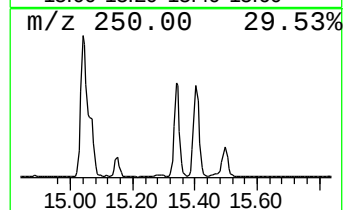
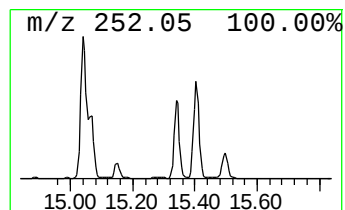
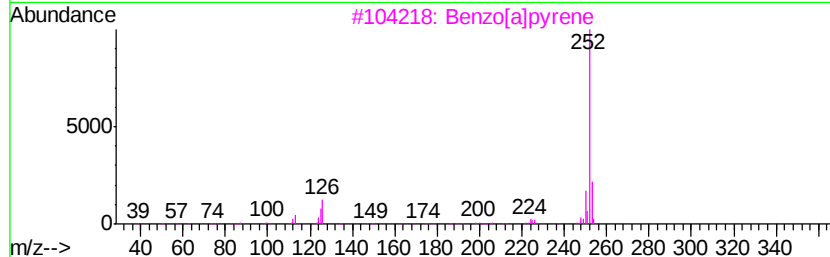
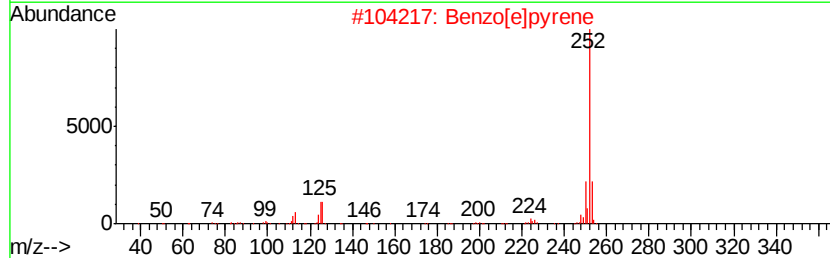
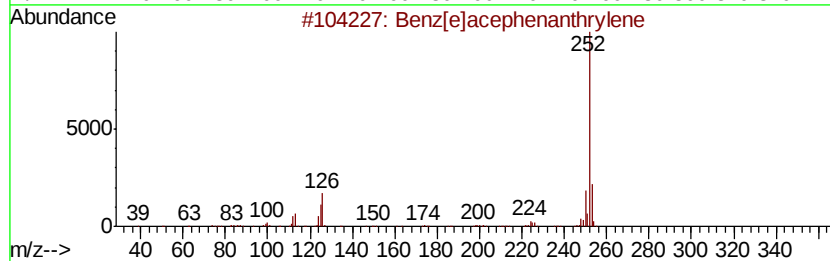
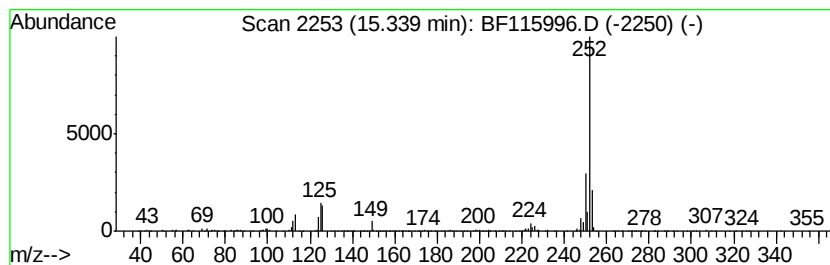
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 13 Benzo[j]fluoranthene Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.34	8.90 ng	440394	Perylene-d12	15.46

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	98
2		Benzo[e]pyrene	252	C20H12	000192-97-2	98
3		Benzo[a]pyrene	252	C20H12	000050-32-8	98
4		Perylene	252	C20H12	000198-55-0	95
5		Benzo[j]fluoranthene	252	C20H12	000205-82-3	94



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF080519\
Data File : BF115996.D
Acq On : 5 Aug 2019 22:41
Operator : HP/JU
Sample : K4156-13
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
RBR-200035

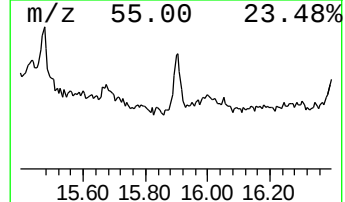
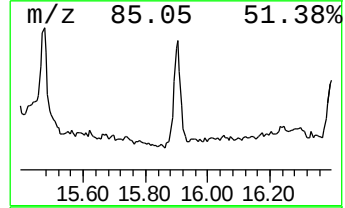
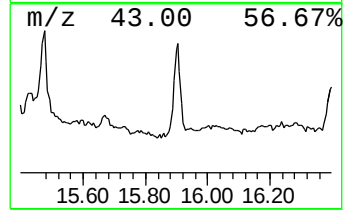
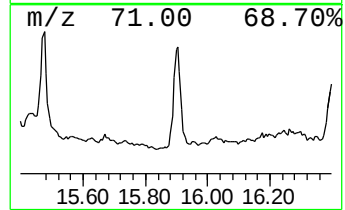
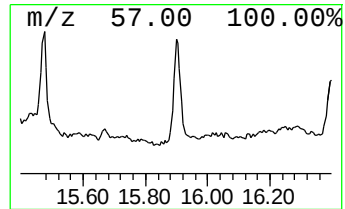
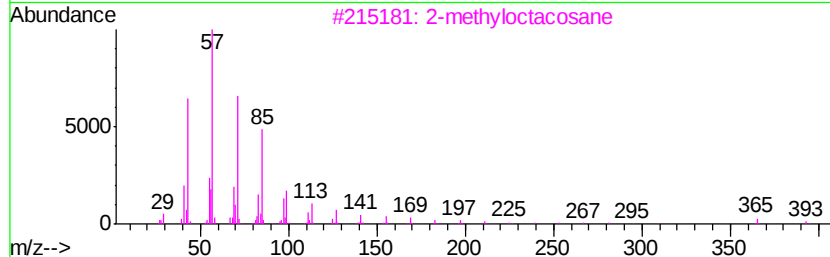
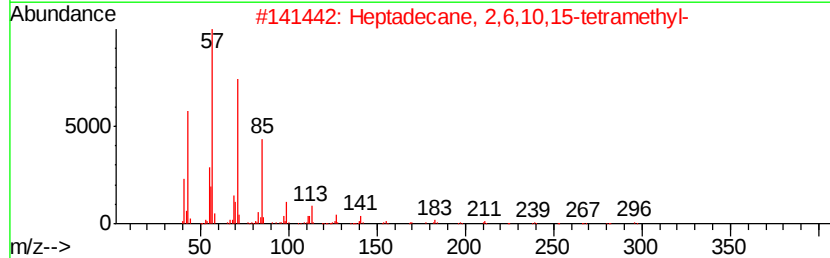
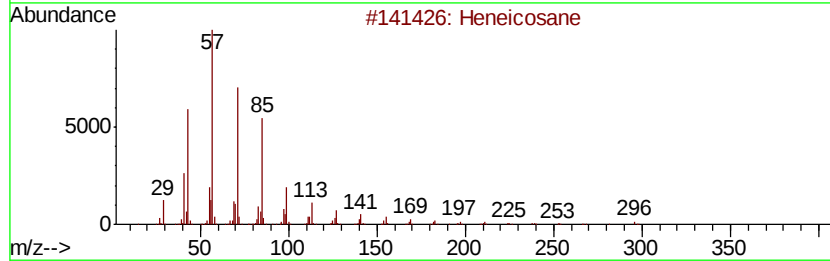
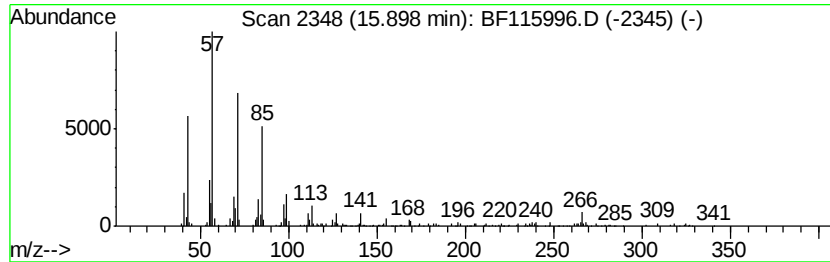
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 14 2-methyloctacosane Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.90	3.74 ng	184798	Perylene-d12	15.46

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Heneicosane	296	C21H44	000629-94-7	99
2		Heptadecane, 2,6,10,15-tetramethyl-	296	C21H44	054833-48-6	93
3		2-methyloctacosane	408	C29H60	1000376-72-8	90
4		Hexacosane	366	C26H54	000630-01-3	90
5		Triacontane	422	C30H62	000638-68-6	87



Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF080519\
Data File : BF115996.D
Acq On : 5 Aug 2019 22:41
Operator : HP/JU
Sample : K4156-13
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
RBR-200035

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
unknown6.62	6.62	56.0	ng	2182800	1	6.85	779301	20.0
Pentadecane, 2,6,...	10.79	2.6	ng	143417	4	11.36	1116650	20.0
Hexacosane	11.26	3.9	ng	220255	4	11.36	1116650	20.0
11H-Benzo[a]fluor...	13.85	2.6	ng	144182	5	14.00	1119210	20.0
Nonadecane	14.23	3.4	ng	192591	5	14.00	1119210	20.0
Heptadecane	14.26	3.3	ng	186008	5	14.00	1119210	20.0
Heneicosane	14.32	5.5	ng	304763	5	14.00	1119210	20.0
Sulfurous acid, p...	14.46	11.0	ng	615654	5	14.00	1119210	20.0
unknown14.25	14.52	3.8	ng	209974	5	14.00	1119210	20.0
Eicosane	14.62	21.7	ng	1211830	5	14.00	1119210	20.0
Benzo[e]pyrene	15.14	2.0	ng	100068	6	15.46	989295	20.0
Benzo[j]fluoranthene	15.34	8.9	ng	440394	6	15.46	989295	20.0
2-methyloctacosane	15.90	3.7	ng	184798	6	15.46	989295	20.0