

Data Path : Z:\HPCHEM1\BNA F\DATA\BF102817\
 Data File : BF099928.D
 Acq On : 28 Oct 2017 20:18
 Operator : SJ/JU
 Sample : I6167-01
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 S13-SP2C

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:\HPCHEM1\BNA_F\METHODS\8270-BF102317.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	5.004	492	496	510	rBV	159551	245567	15.16%	1.344%
2	5.410	562	565	586	rBV	1391478	1481962	91.50%	8.112%
3	6.433	735	739	757	rBV	1513221	1556213	96.09%	8.519%
4	6.563	757	761	766	rVB	1677578	1619555	100.00%	8.866%
5	6.786	796	799	806	rBV	633703	553779	34.19%	3.031%
6	6.939	822	825	834	rVB	1343108	1137929	70.26%	6.229%
7	7.110	851	854	861	rBV3	8724	17834	1.10%	0.098%
8	7.233	872	875	880	rBV3	14014	21855	1.35%	0.120%
9	7.310	883	888	892	rVB4	11138	18286	1.13%	0.100%
10	7.357	892	896	905	rBV	1102106	988702	61.05%	5.412%
11	7.604	935	938	940	rBV	24434	22598	1.40%	0.124%
12	7.633	940	943	949	rVV	91012	96603	5.96%	0.529%
13	7.804	968	972	974	rBV2	17383	19709	1.22%	0.108%
14	8.069	1013	1017	1020	rBV	893789	777406	48.00%	4.256%
15	8.116	1023	1025	1028	rVB	23215	18566	1.15%	0.102%
16	8.475	1083	1086	1089	rBV	42724	36770	2.27%	0.201%
17	8.786	1135	1139	1144	rBV	29530	34100	2.11%	0.187%
18	8.880	1153	1155	1158	rBV	27612	20130	1.24%	0.110%
19	8.963	1166	1169	1173	rVB5	16589	17458	1.08%	0.096%
20	9.074	1185	1188	1193	rBV2	67103	53663	3.31%	0.294%
21	9.139	1195	1199	1202	rBV	1694157	1362644	84.14%	7.459%
22	9.210	1206	1211	1214	rBV3	21037	31903	1.97%	0.175%
23	9.345	1228	1234	1238	rVB8	10299	22459	1.39%	0.123%
24	9.410	1241	1245	1249	rBV4	27559	41288	2.55%	0.226%
25	9.480	1253	1257	1260	rBV2	35023	48803	3.01%	0.267%
26	9.510	1260	1262	1263	rVV	28318	26147	1.61%	0.143%
27	9.539	1263	1267	1273	rVB	324487	293327	18.11%	1.606%
28	9.616	1275	1280	1282	rBV4	17509	22350	1.38%	0.122%
29	9.686	1288	1292	1295	rBV4	22586	28316	1.75%	0.155%
30	9.822	1309	1315	1319	rBV2	950914	810649	50.05%	4.438%
31	9.857	1319	1321	1324	rVB	38097	35681	2.20%	0.195%
32	9.933	1328	1334	1337	rBV6	33688	44573	2.75%	0.244%
33	9.969	1337	1340	1343	rVB4	20514	23545	1.45%	0.129%
34	10.033	1346	1351	1352	rVV2	35917	47855	2.95%	0.262%

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35	10.069	1354	1357	1360	rVB3	57421	63557	3.92%	0.348%
36	10.139	1366	1369	1372	rBV2	27307	30919	1.91%	0.169%
37	10.169	1372	1374	1379	rVB4	21647	29741	1.84%	0.163%
38	10.239	1379	1386	1389	rBV4	54693	87364	5.39%	0.478%
39	10.304	1394	1397	1401	rBV4	26543	31491	1.94%	0.172%
40	10.374	1405	1409	1414	rVB2	61363	72272	4.46%	0.396%
41	10.457	1418	1423	1426	rBV2	88569	111313	6.87%	0.609%
42	10.533	1434	1436	1440	rVB	61416	53787	3.32%	0.294%
43	10.616	1447	1450	1456	rVB	835014	752544	46.47%	4.120%
44	10.721	1464	1468	1472	rBV	198104	233608	14.42%	1.279%
45	10.786	1476	1479	1480	rBV2	21303	19575	1.21%	0.107%
46	11.163	1540	1543	1544	rBV	33048	26800	1.65%	0.147%
47	11.186	1544	1547	1550	rVV	147407	143987	8.89%	0.788%
48	11.316	1565	1569	1571	rBV	727172	677084	41.81%	3.706%
49	11.339	1571	1573	1577	rVB	300576	239734	14.80%	1.312%
50	11.392	1580	1582	1586	rBV	52709	65530	4.05%	0.359%
51	11.521	1602	1604	1605	rBV	57334	43823	2.71%	0.240%
52	11.833	1655	1657	1661	rBV3	97170	129941	8.02%	0.711%
53	12.251	1726	1728	1730	rVB	125910	86403	5.33%	0.473%
54	12.486	1766	1768	1771	rVB2	85039	78090	4.82%	0.427%
55	12.539	1773	1777	1779	rBV	460486	603184	37.24%	3.302%
56	12.762	1812	1815	1820	rVB	301863	340689	21.04%	1.865%
57	12.868	1830	1833	1835	rBV2	108675	124807	7.71%	0.683%
58	12.898	1835	1838	1841	rVB	961572	823276	50.83%	4.507%
59	13.033	1858	1861	1865	rVB	303535	241252	14.90%	1.321%
60	13.968	2016	2020	2022	rBV2	517547	588470	36.34%	3.221%
61	13.992	2022	2024	2028	rVB	177673	152564	9.42%	0.835%
62	15.004	2194	2196	2199	rBV	128575	173749	10.73%	0.951%
63	15.309	2245	2248	2251	rBV	81198	84617	5.22%	0.463%
64	15.374	2256	2259	2261	rBV	114892	136954	8.46%	0.750%
65	15.433	2265	2269	2273	rBV2	365103	442386	27.32%	2.422%

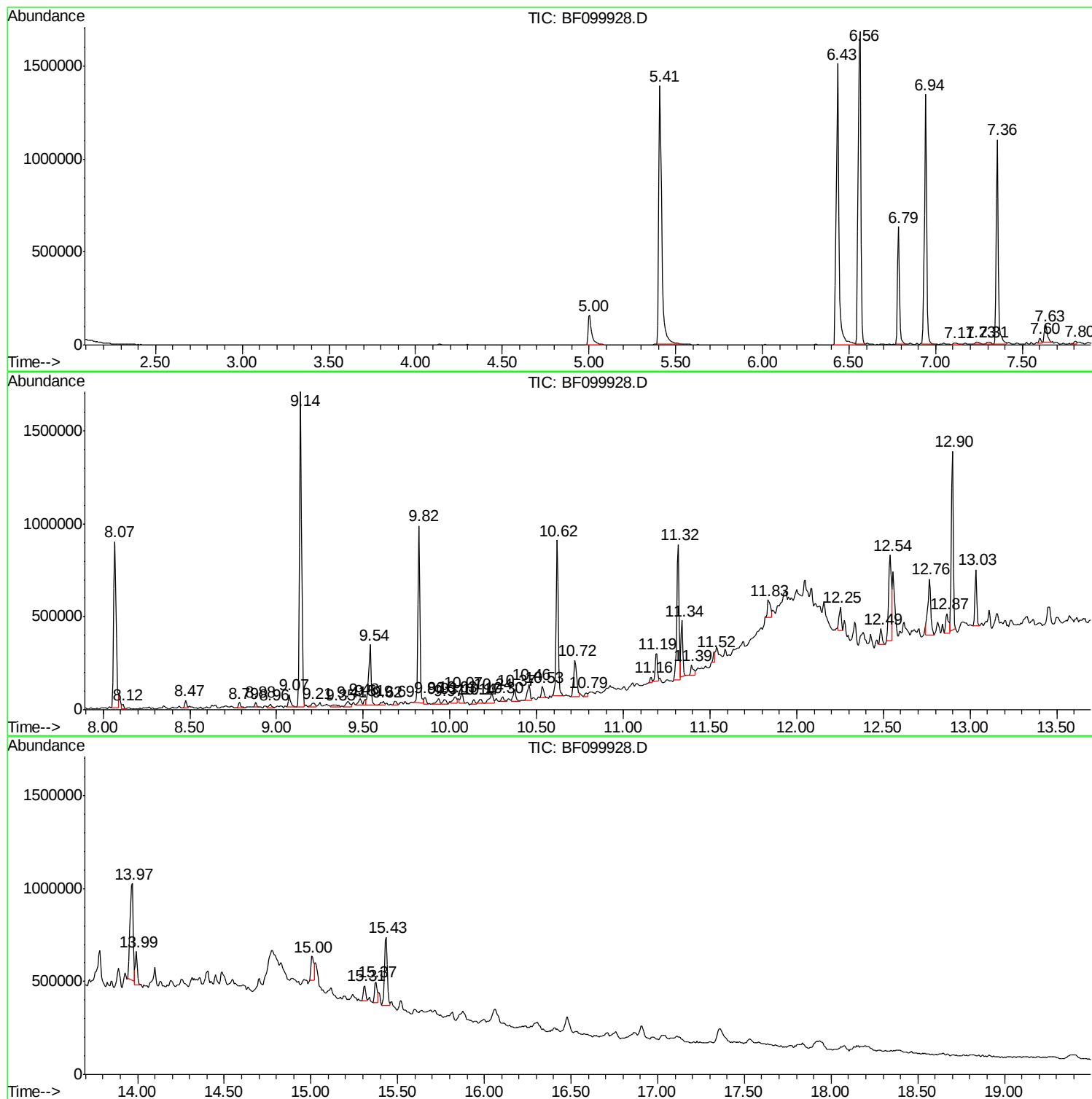
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



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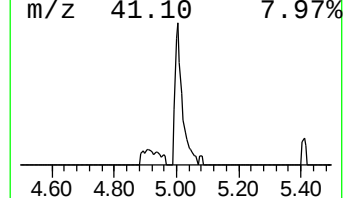
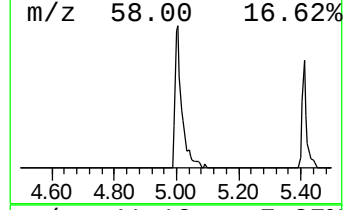
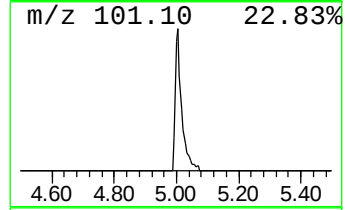
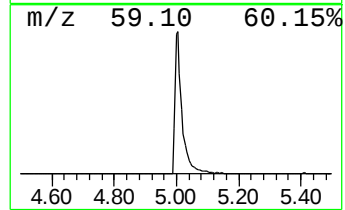
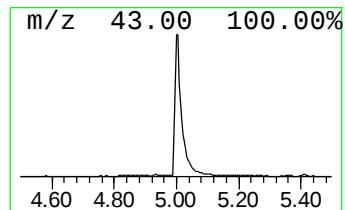
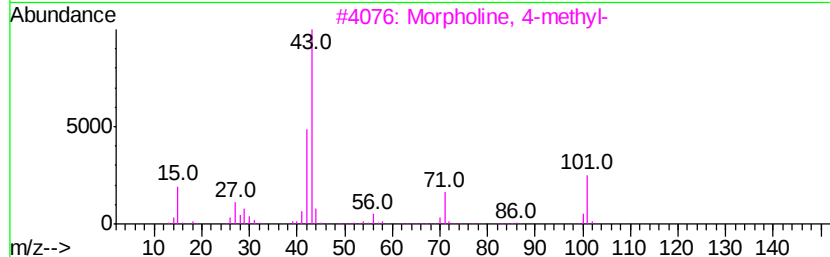
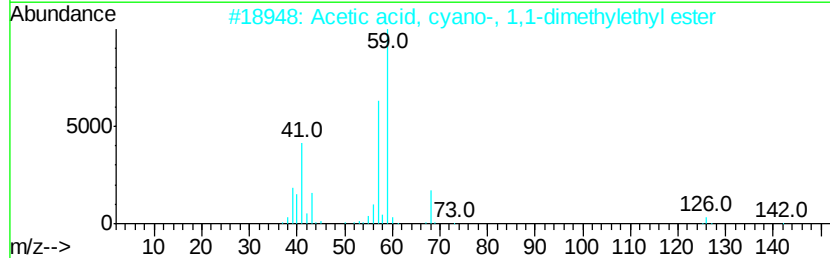
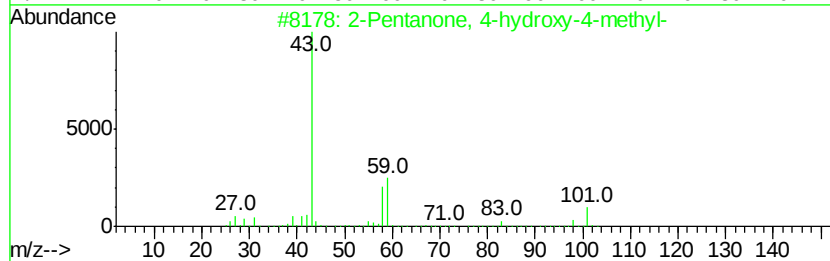
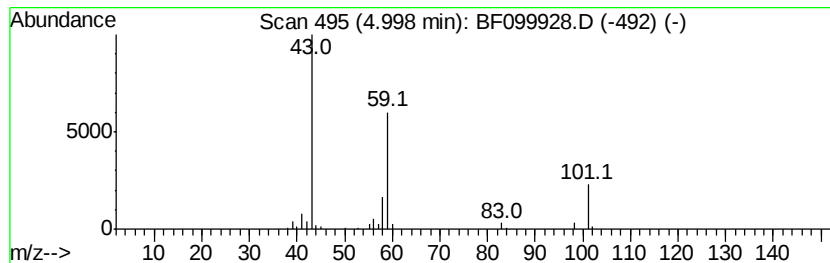
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF102317.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 1 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.00	8.87 ng	245567	1,4-Dichlorobenzene-d4	6.79

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	59
2		Acetic acid, cyano-, 1,1-dimethyl...	141	C7H11NO2	001116-98-9	17
3		Morpholine, 4-methyl-	101	C5H11NO	000109-02-4	9
4		Acetone	58	C3H6O	000067-64-1	9
5		5-Hexen-2-one	98	C6H10O	000109-49-9	9



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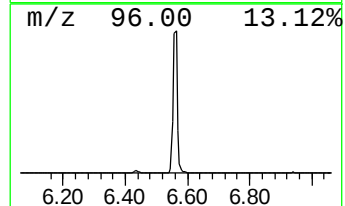
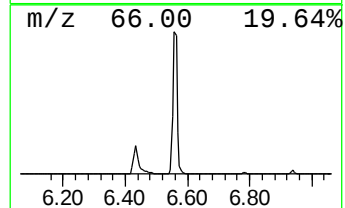
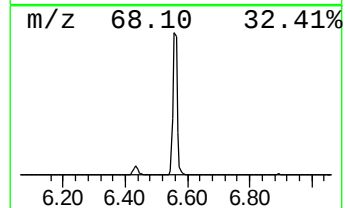
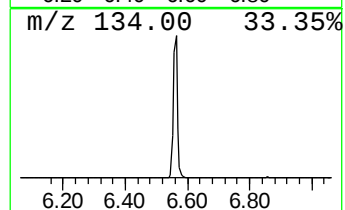
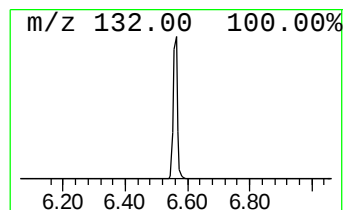
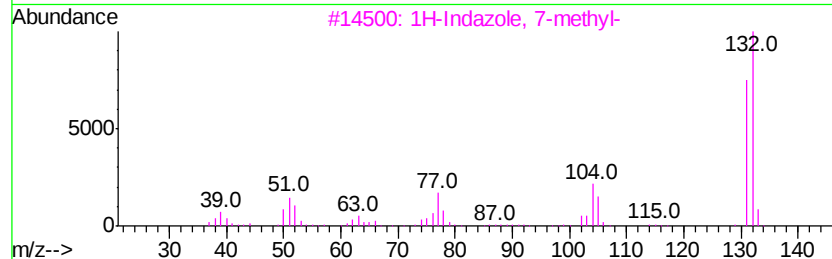
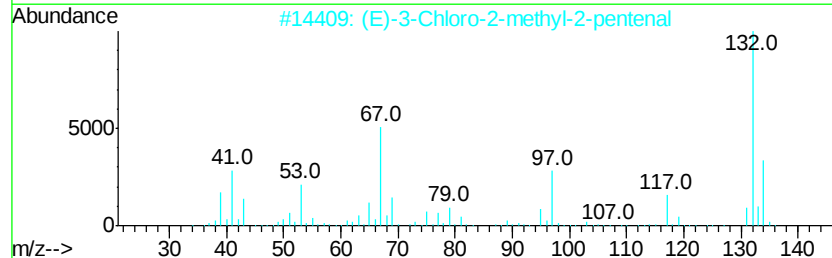
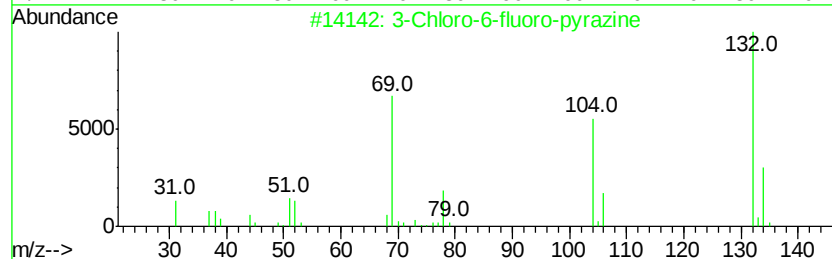
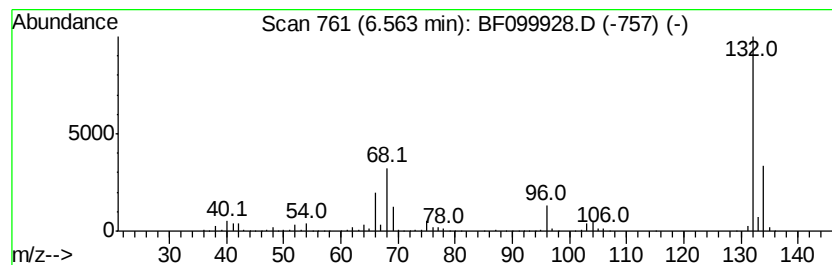
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 2 unknown6.56 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.56	58.49 ng	1619560	1,4-Dichlorobenzene-d4	6.79

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	38
2		(E)-3-Chloro-2-methyl-2-pentenal	132	C6H9ClO	031357-76-3	17
3		1H-Indazole, 7-methyl-	132	C8H8N2	1000316-00-7	10
4		1H-Benzimidazole, 2-methyl-	132	C8H8N2	000615-15-6	9
5		4-Chloro-6-fluoro-pyrimidine	132	C4H2ClFN2	051422-01-6	9



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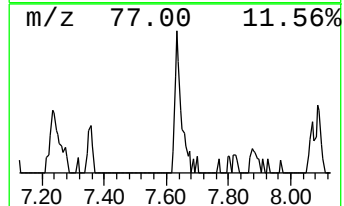
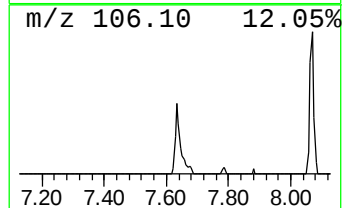
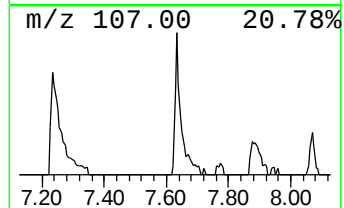
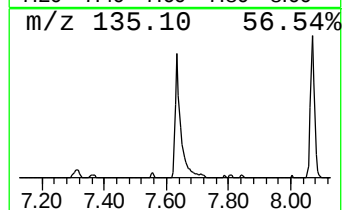
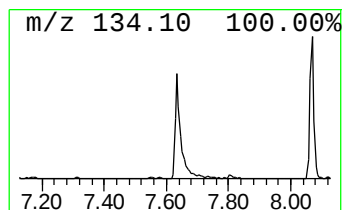
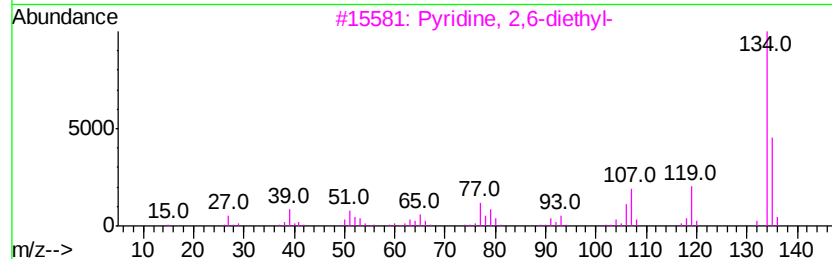
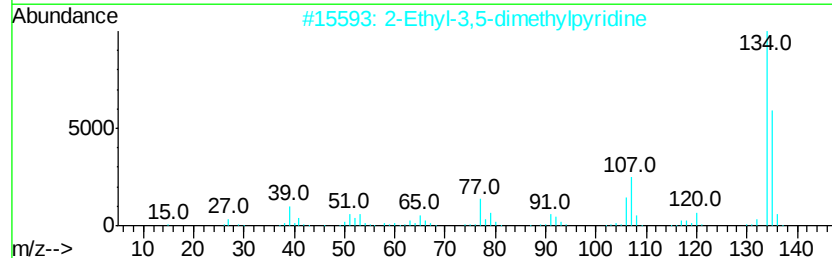
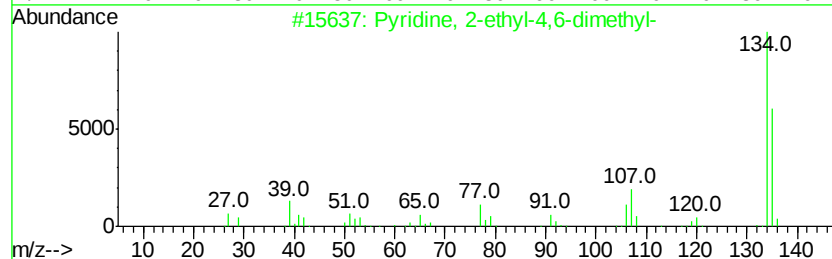
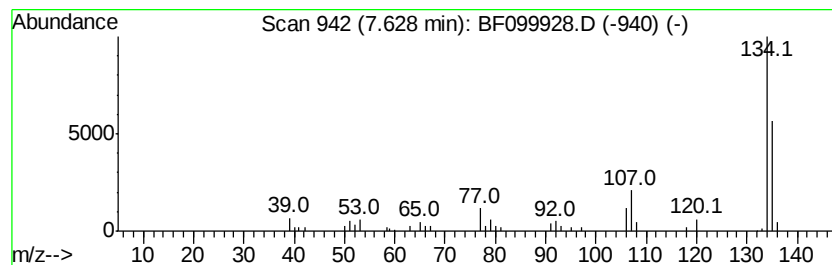
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 4 Pyridine, 2-ethyl-4,6-dimet... Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.63	2.49 ng	96603	Naphthalene-d8	8.07

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Pyridine, 2-ethyl-4,6-dimethyl-	135	C9H13N	001124-35-2	94
2		2-Ethyl-3,5-dimethylpyridine	135	C9H13N	001123-96-2	94
3		Pyridine, 2,6-diethyl-	135	C9H13N	000935-28-4	86
4		Benzenamine, N,N,3-trimethyl-	135	C9H13N	000121-72-2	59
5		Benzenamine, N,N,4-trimethyl-	135	C9H13N	000099-97-8	53



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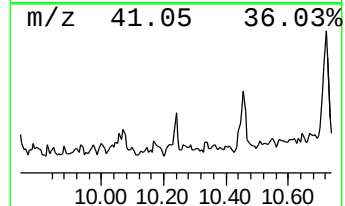
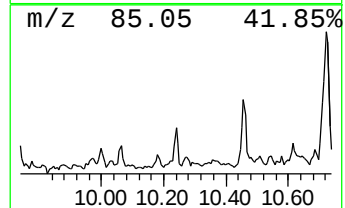
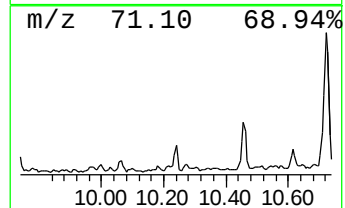
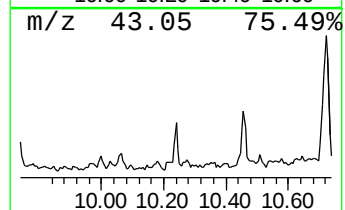
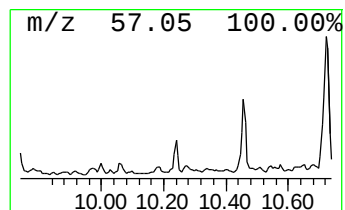
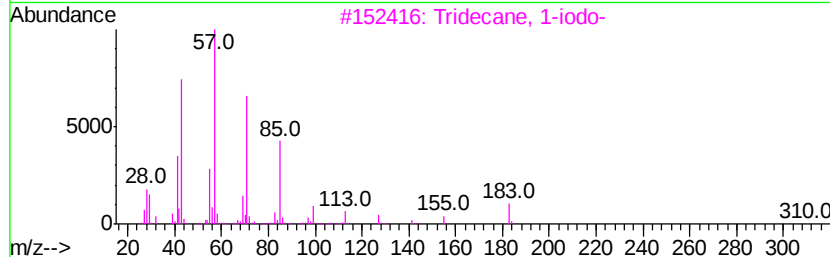
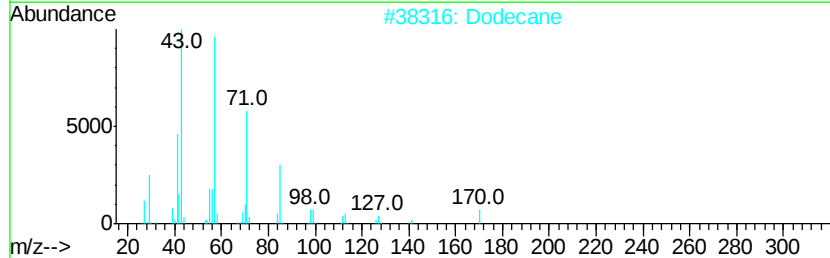
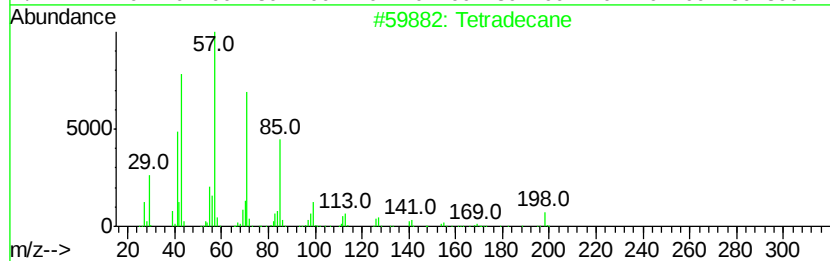
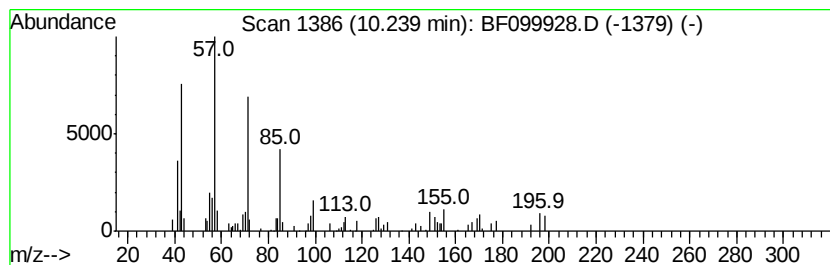
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Peak Number 5 Tetradecane Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.	
10.24	2.16 ng	87364	Acenaphthene-d10	9.82	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tetradecane	198	C14H30	000629-59-4	93
2	Dodecane	170	C12H26	000112-40-3	89
3	Tridecane, 1-iodo-	310	C13H27I	035599-77-0	64
4	Dodecane, 1-iodo-	296	C12H25I	004292-19-7	64
5	Octadecane	254	C18H38	000593-45-3	62



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S13-SP2C

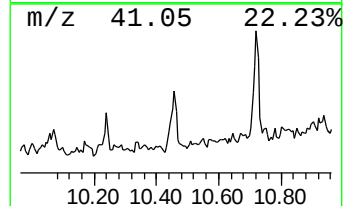
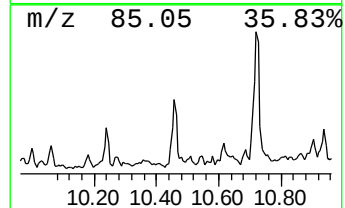
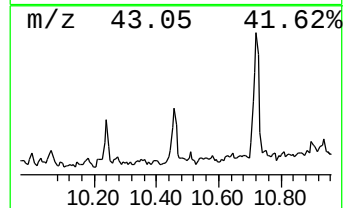
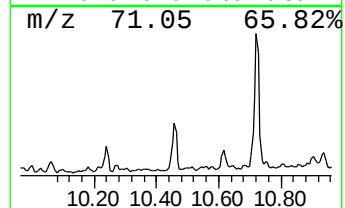
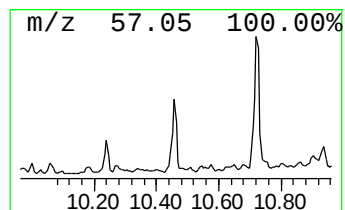
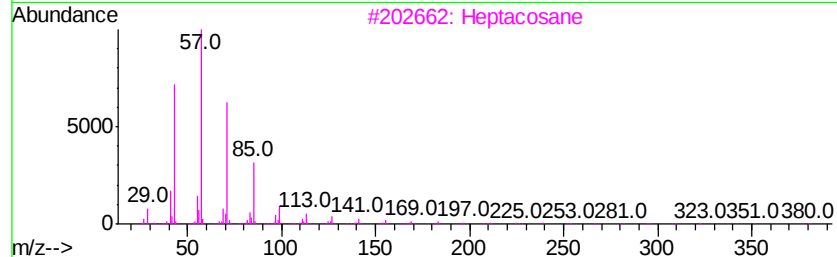
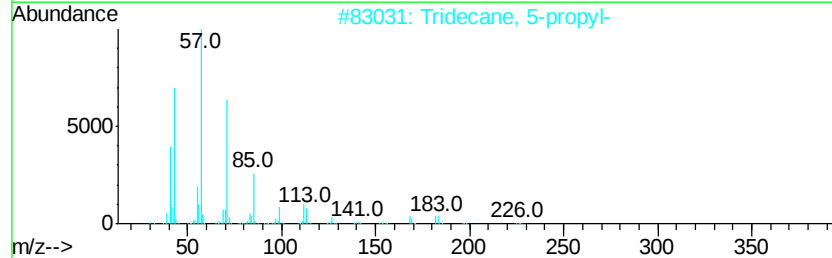
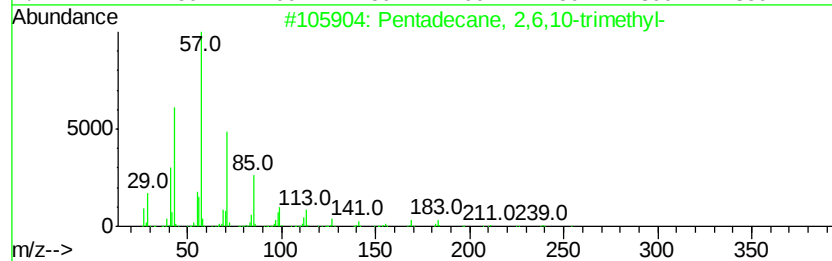
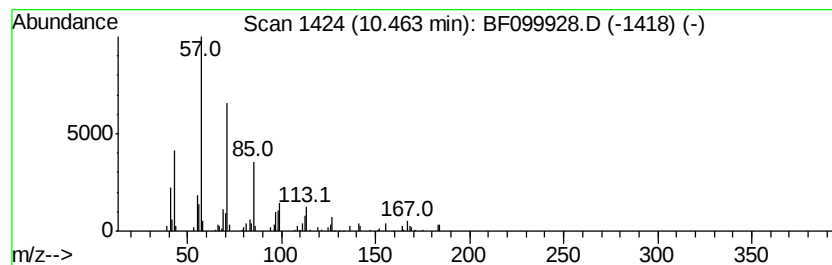
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 6 Pentadecane, 2,6,10-trimethyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.46	2.75 ng	111313	Acenaphthene-d10	9.82

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		Pentadecane, 2,6,10-trimethyl-	254	C18H38	003892-00-0	86
2		Tridecane, 5-propyl-	226	C16H34	055045-11-9	86
3		Heptacosane	380	C27H56	000593-49-7	72
4		Eicosane	282	C20H42	000112-95-8	72
5		Heneicosane	296	C21H44	000629-94-7	72



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF102817\
Data File : BF099928.D
Acq On : 28 Oct 2017 20:18
Operator : SJ/JU
Sample : I6167-01
Misc :
ALS Vial : 20 Sample Multiplier: 1

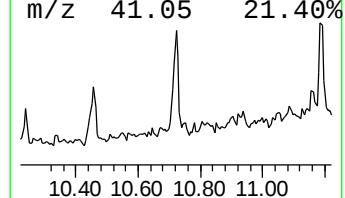
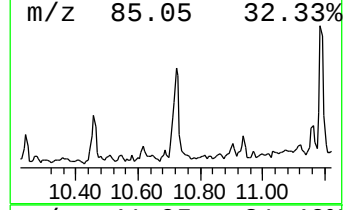
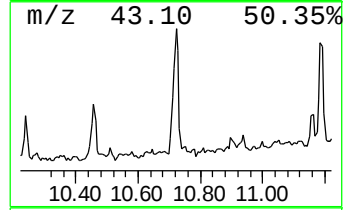
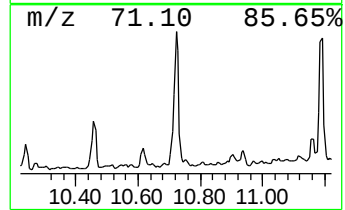
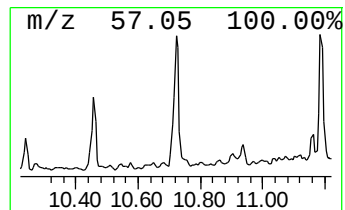
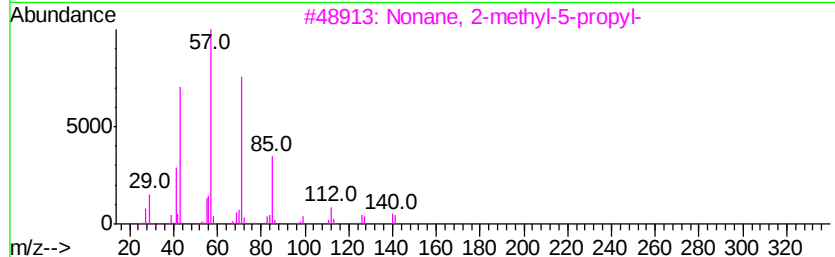
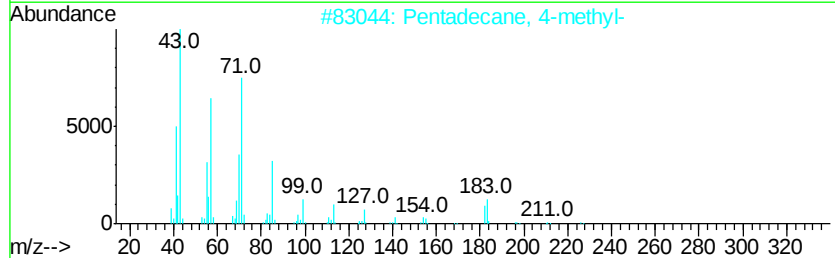
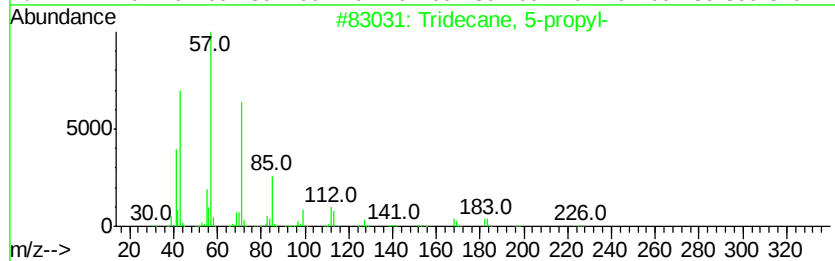
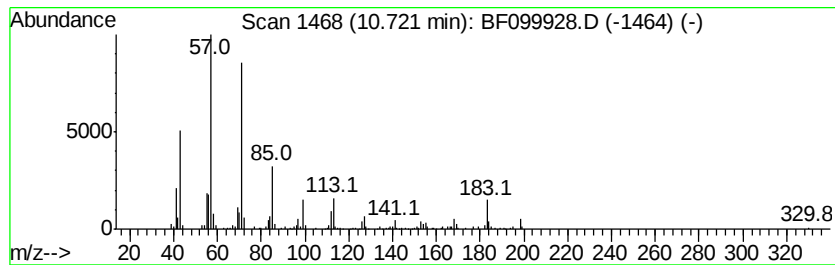
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ClientSampleId :
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 7 Tridecane, 5-propyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.	
10.72	6.90 ng	233608	Phenanthrene-d10	11.32	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tridecane, 5-propyl-	226	C16H34	055045-11-9	86
2	Pentadecane, 4-methyl-	226	C16H34	002801-87-8	72
3	Nonane, 2-methyl-5-propyl-	184	C13H28	031081-17-1	64
4	Sulfurous acid, dodecyl 2-ethylh...	362	C20H42O3S	1000309-19-5	64
5	Pentadecane, 2,6,10,14-tetramethyl-	268	C19H40	001921-70-6	58



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF102817\
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Sample : I6167-01
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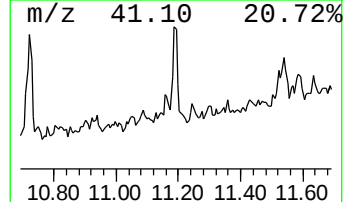
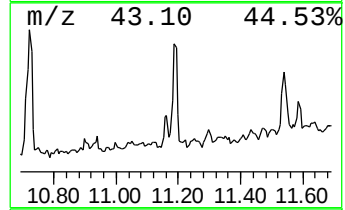
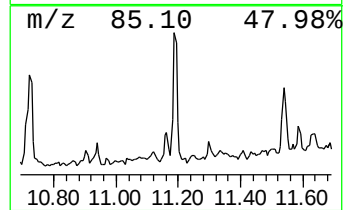
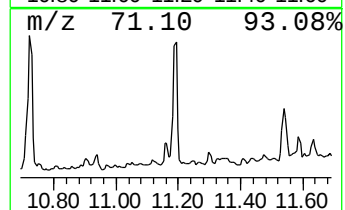
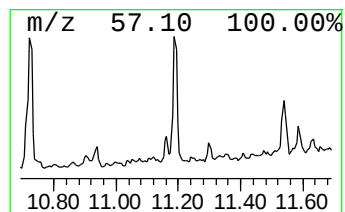
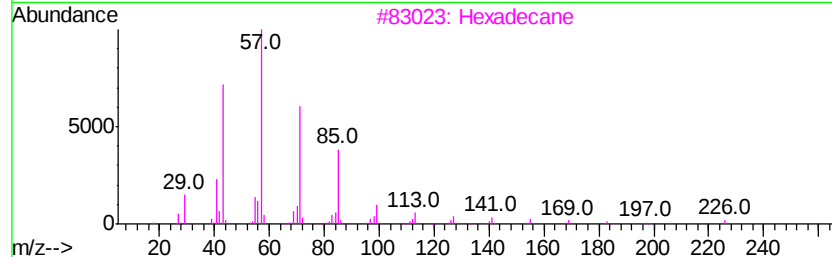
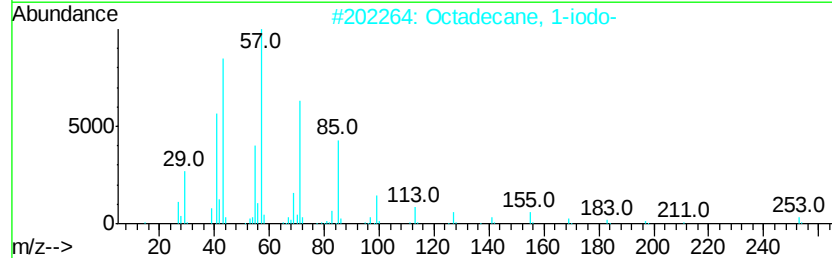
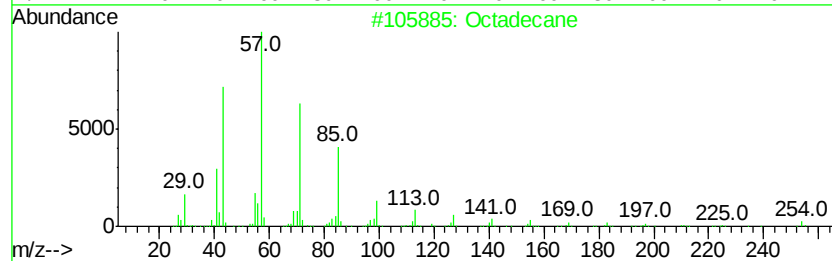
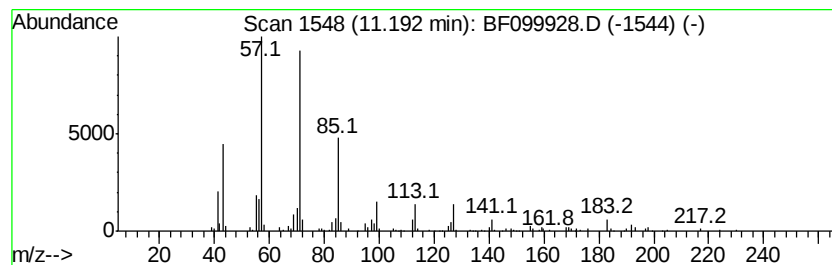
Instrument :
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ClientSampleId :
S13-SP2C

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF102317.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 8 Octadecane Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD		R.T.
11.19	4.25 ng	143987	Phenanthrene-d10		11.32
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octadecane	254	C18H38	000593-45-3	90
2	Octadecane, 1-iodo-	380	C18H37I	000629-93-6	90
3	Hexadecane	226	C16H34	000544-76-3	86
4	Eicosane	282	C20H42	000112-95-8	86
5	2-Bromo dodecane	248	C12H25Br	013187-99-0	86



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF102817\
Data File : BF099928.D
Acq On : 28 Oct 2017 20:18
Operator : SJ/JU
Sample : I6167-01
Misc :
ALS Vial : 20 Sample Multiplier: 1

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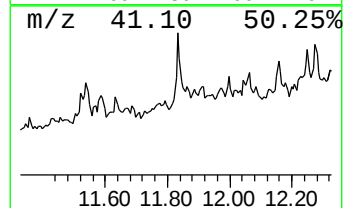
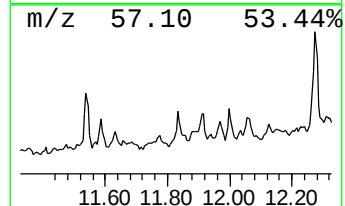
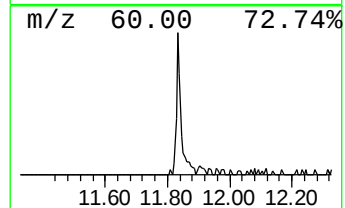
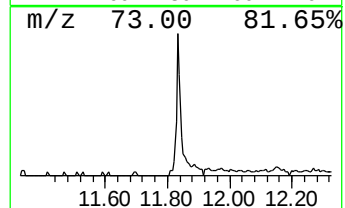
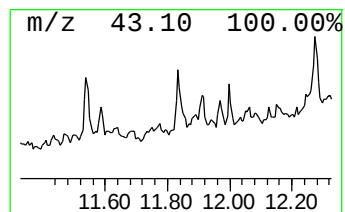
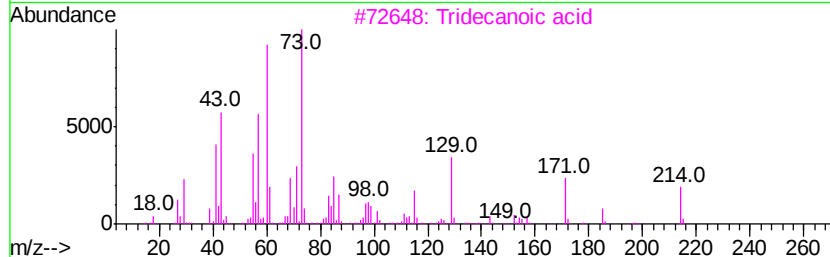
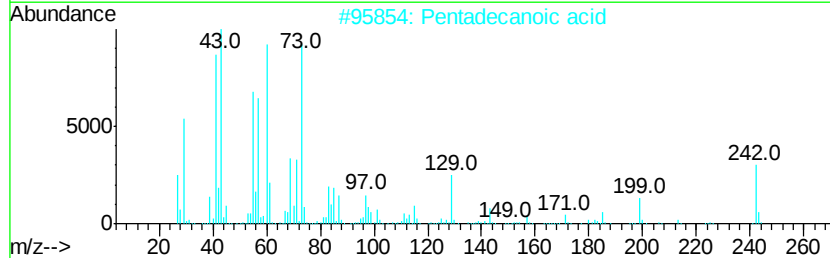
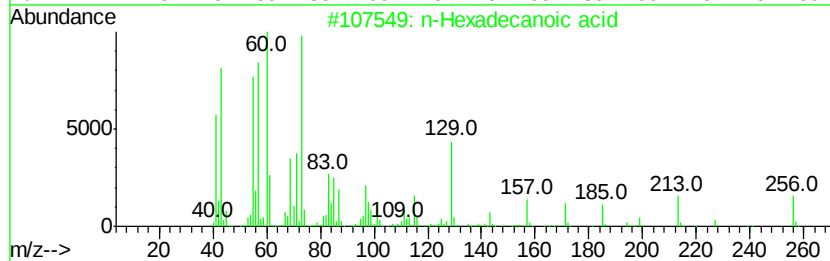
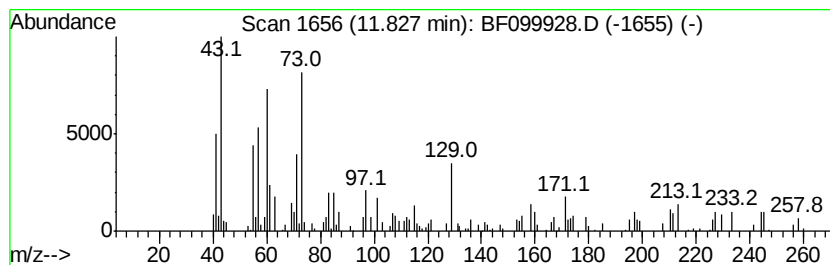
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 9 n-Hexadecanoic acid Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.83	3.84 ng	129941	Phenanthrene-d10	11.32

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		n-Hexadecanoic acid	256	C16H32O2	000057-10-3	91
2		Pentadecanoic acid	242	C15H30O2	001002-84-2	80
3		Tridecanoic acid	214	C13H26O2	000638-53-9	74
4		n-Decanoic acid	172	C10H20O2	000334-48-5	70
5		Methyl .beta.-d-galactopyranoside	194	C7H14O6	1000126-04-6	43



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF102817\
Data File : BF099928.D
Acq On : 28 Oct 2017 20:18
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Misc :
ALS Vial : 20 Sample Multiplier: 1

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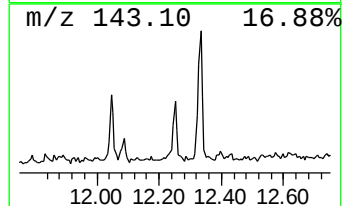
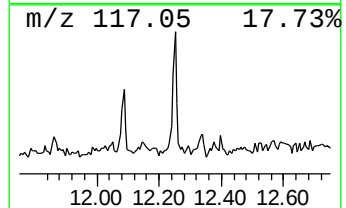
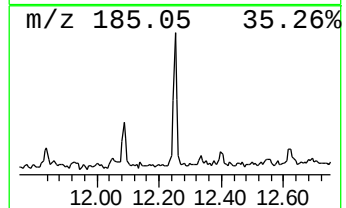
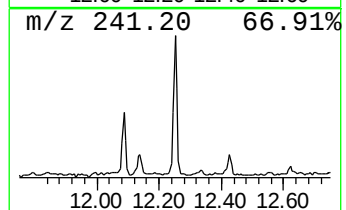
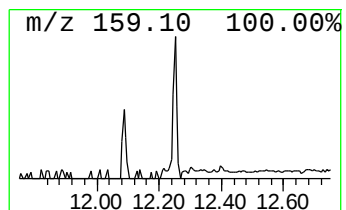
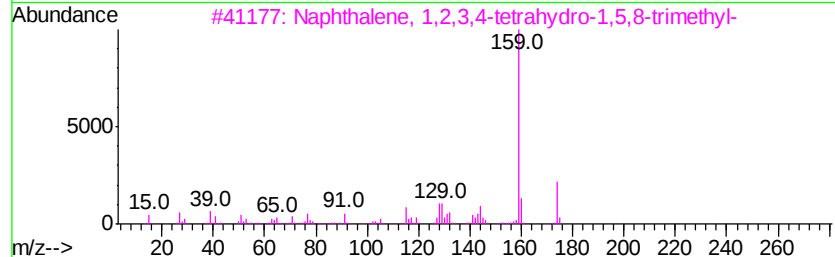
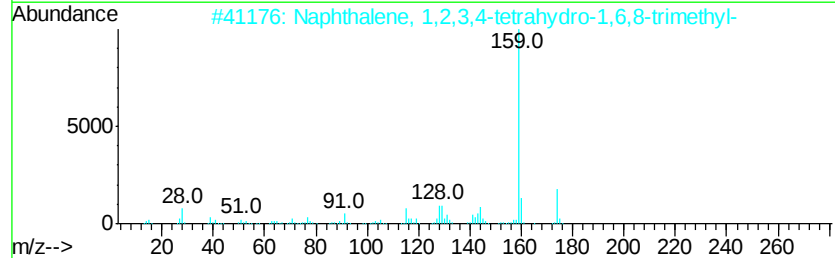
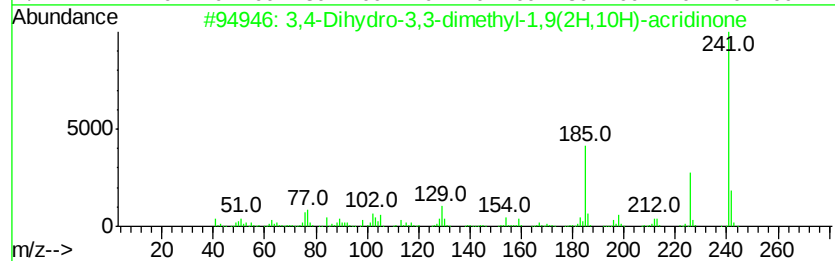
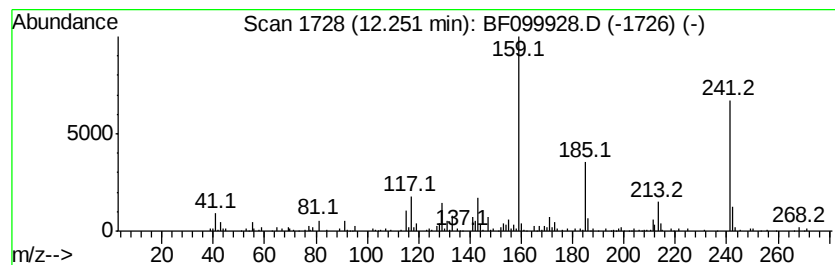
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 10 unknown12.25 Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.25	2.55 ng	86403	Phenanthrene-d10	11.32

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	3,4-Dihydro-3,3-dimethyl-1,9(2H,...	241	C15H15N02	1000212-95-2	41		
2	Naphthalene, 1,2,3,4-tetrahydro-...	174	C13H18	030316-36-0	38		
3	Naphthalene, 1,2,3,4-tetrahydro-...	174	C13H18	021693-51-6	35		
4	Decanedioic acid, dibutyl ester	314	C18H34O4	000109-43-3	35		
5	1H-Indene, 2,3-dihydro-1,1,4,7-t...	174	C13H18	001078-04-2	35		



Data Path : Z:\HPCHEM1\BNA F\DATA\BF102817\
Data File : BF099928.D
Acq On : 28 Oct 2017 20:18
Operator : SJ/JU
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Misc :
ALS Vial : 20 Sample Multiplier: 1

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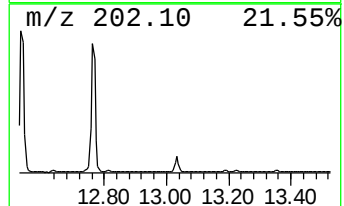
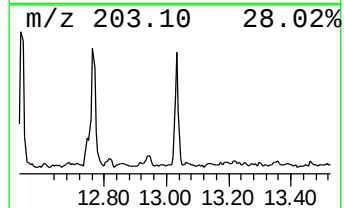
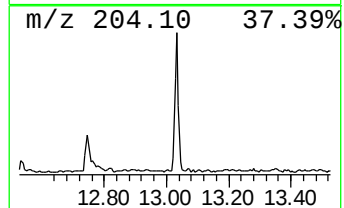
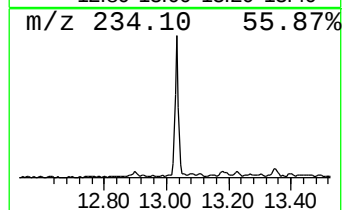
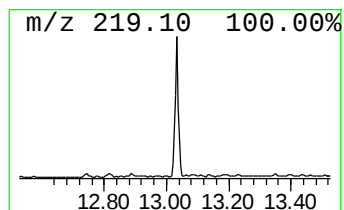
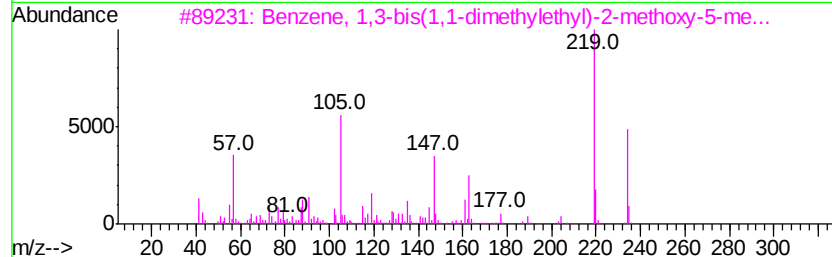
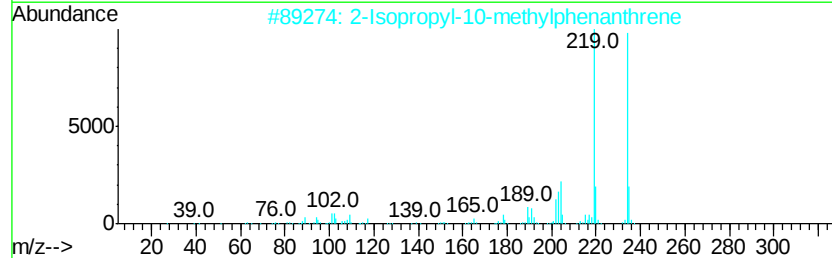
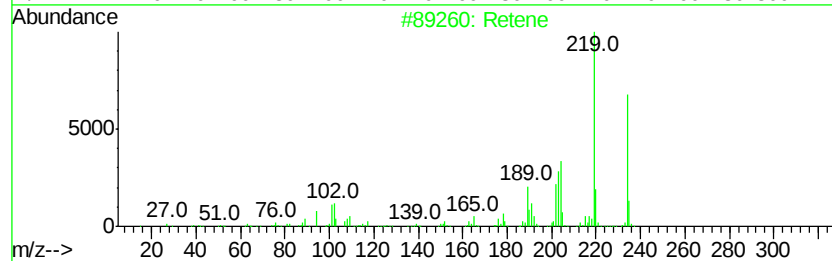
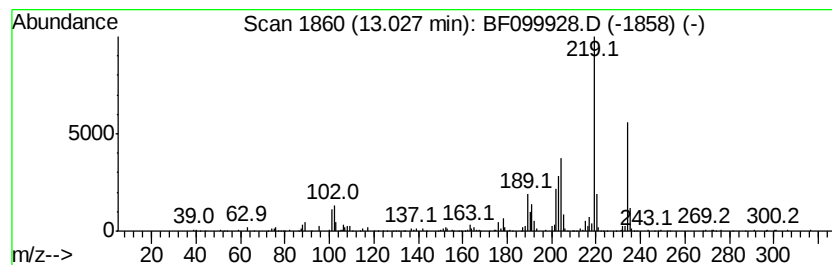
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 11 Retene Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.03	8.20 ng	241252	Chrysene-d12	13.97

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Retene	234	C18H18	000483-65-8	99
2		2-Isopropyl-10-methylphenanthrene	234	C18H18	066552-97-4	95
3		Benzene, 1,3-bis(1,1-dimethyleth...	234	C16H26O	001518-53-2	52
4		Ethanone, 1-(4,6-dihydroxy-2,3,5...	234	C13H14O4	021987-07-5	50
5		4-tert-Butyl-2,6-diisopropylphen...	276	C18H28O2	1000236-32-0	50



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF102817\
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Misc :
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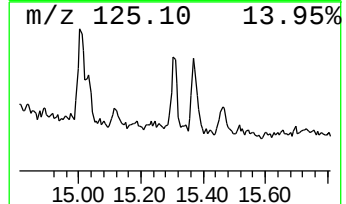
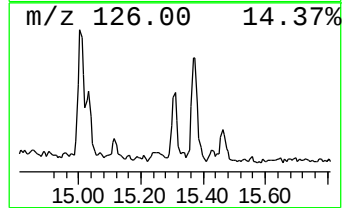
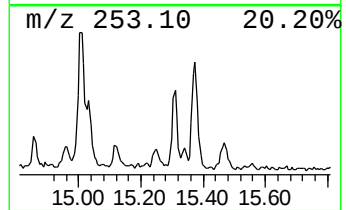
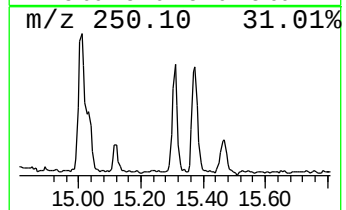
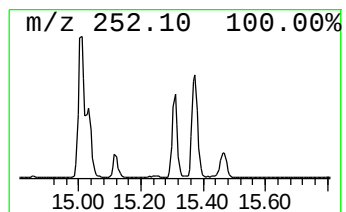
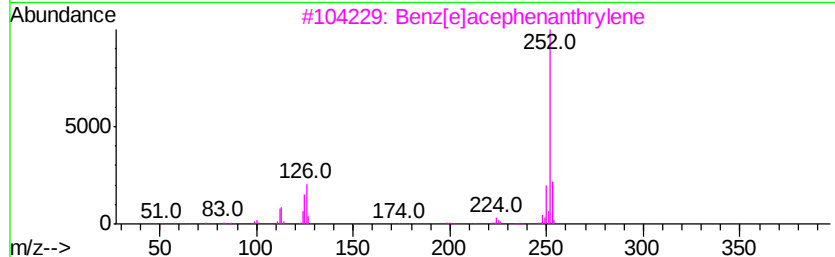
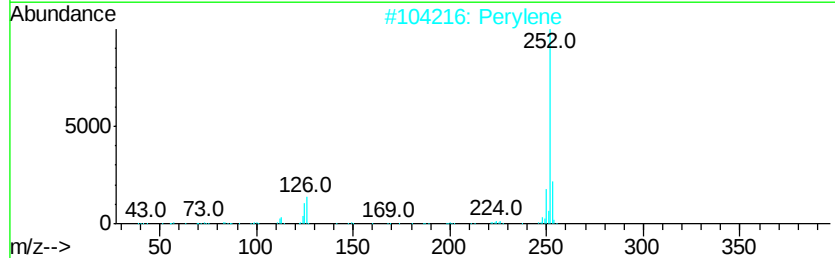
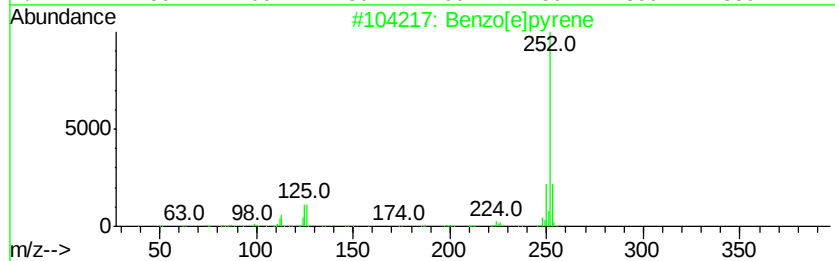
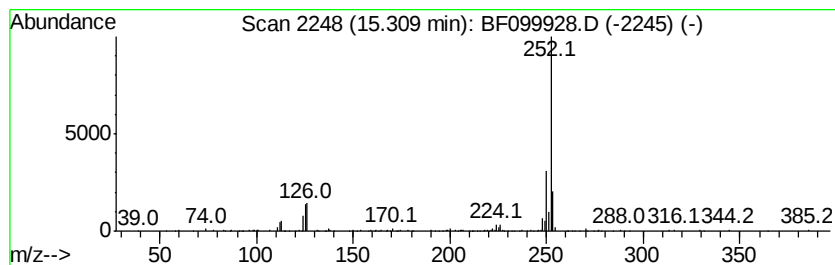
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 12 Benzo[e]pyrene Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.31	3.83 ng	84617	Perylene-d12	15.43

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzo[e]pyrene	252	C20H12	000192-97-2	94
2		Perylene	252	C20H12	000198-55-0	94
3		Benzo[e]acephenanthrylene	252	C20H12	000205-99-2	94
4		Benzo[a]pyrene	252	C20H12	000050-32-8	93
5		Benzo[k]fluoranthene	252	C20H12	000207-08-9	90



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF102817\
 Data File : BF099928.D
 Acq On : 28 Oct 2017 20:18
 Operator : SJ/JU
 Sample : I6167-01
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 S13-SP2C

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF102317.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

TIC Top Hit name	RT	EstConc	Units	Response	--Internal Standard--			
					#	RT	Resp	Conc
2-Pentanone, 4-hy...	5.00	8.9	ng	245567	1	6.79	553779	20.0
unknown6.56	6.56	58.5	ng	1619560	1	6.79	553779	20.0
Pyridine, 2-ethyl...	7.63	2.5	ng	96603	2	8.07	777406	20.0
Tetradecane	10.24	2.2	ng	87364	3	9.82	810649	20.0
Pentadecane, 2,6,...	10.46	2.8	ng	111313	3	9.82	810649	20.0
Tridecane, 5-propyl-	10.72	6.9	ng	233608	4	11.32	677084	20.0
Octadecane	11.19	4.3	ng	143987	4	11.32	677084	20.0
n-Hexadecanoic acid	11.83	3.8	ng	129941	4	11.32	677084	20.0
unknown12.25	12.25	2.5	ng	86403	4	11.32	677084	20.0
Retene	13.03	8.2	ng	241252	5	13.97	588470	20.0
Benzo[e]pyrene	15.31	3.8	ng	84617	6	15.43	442386	20.0