

Data Path : Z:\HPCHEM1\BNA F\DATA\BF101617\
 Data File : BF099544.D
 Acq On : 16 Oct 2017 15:08
 Operator : SJ/JU
 Sample : I5820-01 2X
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SOILPILE

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-BF092317.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	5.063	502	506	516	rBV	157483	193532	14.17%	1.020%
2	5.463	571	574	596	rBV	1319116	1235546	90.47%	6.514%
3	6.481	743	747	763	rBV	1189922	1266010	92.70%	6.675%
4	6.616	766	770	773	rBV	1495273	1286786	94.22%	6.784%
5	6.845	805	809	816	rBV	737948	634004	46.42%	3.343%
6	6.998	831	835	843	rBV	1243216	1014890	74.31%	5.351%
7	7.410	901	905	914	rBV	772404	746265	54.64%	3.935%
8	8.128	1023	1027	1030	rBV	967494	846126	61.95%	4.461%
9	8.681	1118	1121	1124	rBV	63612	50174	3.67%	0.265%
10	9.198	1205	1209	1212	rBV	1747470	1365716	100.00%	7.201%
11	9.592	1273	1276	1281	rVB	204682	153730	11.26%	0.811%
12	9.745	1299	1302	1305	rBV	42620	35884	2.63%	0.189%
13	9.880	1321	1325	1329	rBV	1038826	861947	63.11%	4.545%
14	9.910	1329	1330	1334	rVB	38134	29188	2.14%	0.154%
15	10.086	1357	1360	1363	rVB2	19797	18590	1.36%	0.098%
16	10.427	1415	1418	1424	rVB	39002	35458	2.60%	0.187%
17	10.592	1442	1446	1449	rBV	206482	164409	12.04%	0.867%
18	10.669	1456	1459	1470	rVB	701835	637845	46.70%	3.363%
19	10.980	1505	1512	1514	rBV4	11657	17675	1.29%	0.093%
20	11.180	1543	1546	1550	rBV	22947	19944	1.46%	0.105%
21	11.269	1558	1561	1565	rVB	20715	19543	1.43%	0.103%
22	11.369	1574	1578	1580	rBV	840945	709035	51.92%	3.738%
23	11.392	1580	1582	1586	rVV	461731	366841	26.86%	1.934%
24	11.445	1588	1591	1594	rVB	100587	75742	5.55%	0.399%
25	11.604	1614	1618	1623	rBV2	37958	48009	3.52%	0.253%
26	11.869	1659	1663	1666	rBV	65931	75069	5.50%	0.396%
27	11.898	1666	1668	1671	rVV	92899	81168	5.94%	0.428%
28	11.945	1674	1676	1679	rVV	32567	29720	2.18%	0.157%
29	11.980	1679	1682	1685	rVV	90724	109656	8.03%	0.578%
30	12.004	1685	1686	1692	rVB	48058	34623	2.54%	0.183%
31	12.163	1710	1713	1716	rBV	50421	44261	3.24%	0.233%
32	12.204	1716	1720	1723	rVB2	37095	35701	2.61%	0.188%
33	12.316	1734	1739	1741	rBV2	16567	21504	1.57%	0.113%
34	12.421	1754	1757	1759	rBV	48909	47948	3.51%	0.253%

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35	12.457	1759	1763	1765	rVV4	27992	41196	3.02%	0.217%
36	12.516	1769	1773	1776	rBV2	38407	44645	3.27%	0.235%
37	12.586	1781	1785	1788	rBV	674377	567388	41.55%	2.992%
38	12.680	1798	1801	1804	rVB	26303	22344	1.64%	0.118%
39	12.733	1806	1810	1813	rVV2	24847	29654	2.17%	0.156%
40	12.816	1821	1824	1829	rVB	585091	513648	37.61%	2.708%
41	12.863	1829	1832	1836	rVB2	34427	37504	2.75%	0.198%
42	12.951	1839	1847	1850	rBV	1017297	895852	65.60%	4.723%
43	12.980	1850	1852	1856	rVB	31867	29415	2.15%	0.155%
44	13.027	1856	1860	1865	rBV4	41801	81672	5.98%	0.431%
45	13.121	1872	1876	1877	rBV3	42193	50208	3.68%	0.265%
46	13.139	1877	1879	1882	rVB	69298	66456	4.87%	0.350%
47	13.210	1888	1891	1893	rBV	47376	43132	3.16%	0.227%
48	13.245	1893	1897	1902	rVV2	58428	74083	5.42%	0.391%
49	13.339	1909	1913	1915	rBV2	40418	39623	2.90%	0.209%
50	13.368	1915	1918	1922	rBV3	34269	35014	2.56%	0.185%
51	13.416	1924	1926	1928	rBV	22395	20413	1.49%	0.108%
52	13.657	1964	1967	1970	rVB	59984	49486	3.62%	0.261%
53	13.763	1982	1985	1987	rBV	60820	49786	3.65%	0.262%
54	13.786	1987	1989	1991	rVV	52229	46530	3.41%	0.245%
55	13.815	1991	1994	1995	rVV2	44075	48351	3.54%	0.255%
56	13.833	1995	1997	2000	rVV3	82723	99987	7.32%	0.527%
57	13.863	2000	2002	2006	rVB	66502	61625	4.51%	0.325%
58	13.974	2018	2021	2023	rBV	74449	72172	5.28%	0.381%
59	14.015	2023	2028	2030	rVV2	709545	910679	66.68%	4.801%
60	14.039	2030	2032	2039	rVB	314383	272696	19.97%	1.438%
61	14.121	2043	2046	2049	rVV	34063	31515	2.31%	0.166%
62	14.245	2065	2067	2070	rVB	32536	25619	1.88%	0.135%
63	14.363	2085	2087	2089	rBV	25880	22800	1.67%	0.120%
64	14.398	2089	2093	2097	rVV	70463	88997	6.52%	0.469%
65	14.433	2097	2099	2101	rBV	24472	17215	1.26%	0.091%
66	14.463	2101	2104	2105	rBV3	26377	29077	2.13%	0.153%
67	14.898	2175	2178	2181	rBV2	41158	50342	3.69%	0.265%
68	15.057	2201	2205	2208	rBV	295599	416593	30.50%	2.196%
69	15.168	2221	2224	2228	rVB	63161	68668	5.03%	0.362%
70	15.362	2253	2257	2263	rVB	185128	237837	17.41%	1.254%
71	15.427	2264	2268	2272	rBV	241694	283972	20.79%	1.497%

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72	15.486	2273	2278	2282	rBV	454216	579289	42.42%	3.054%
73	15.898	2345	2348	2354	rBV	55460	79058	5.79%	0.417%
74	16.974	2525	2531	2539	rVB	127363	261320	19.13%	1.378%
75	17.427	2602	2608	2615	rBV2	77702	174879	12.80%	0.922%
76	17.674	2644	2650	2653	rBV4	39335	83279	6.10%	0.439%

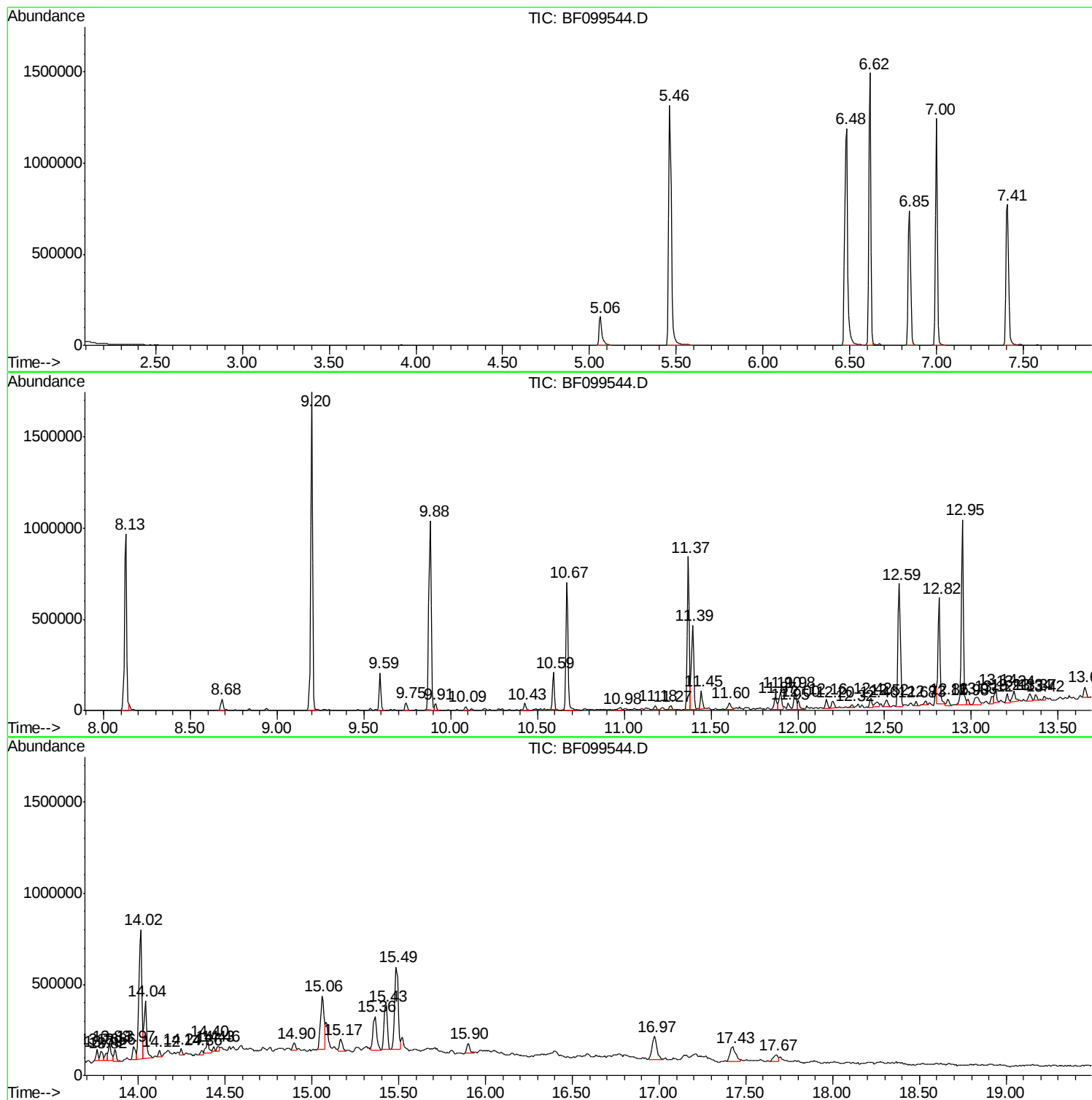
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Instrument :
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Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF092317.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



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Sample : I5820-01 2X
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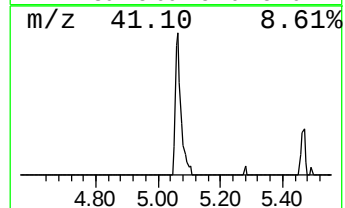
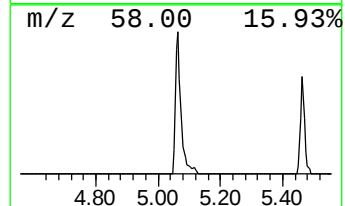
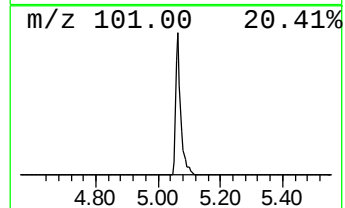
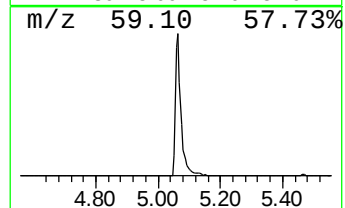
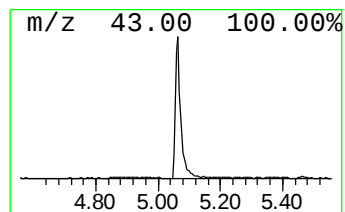
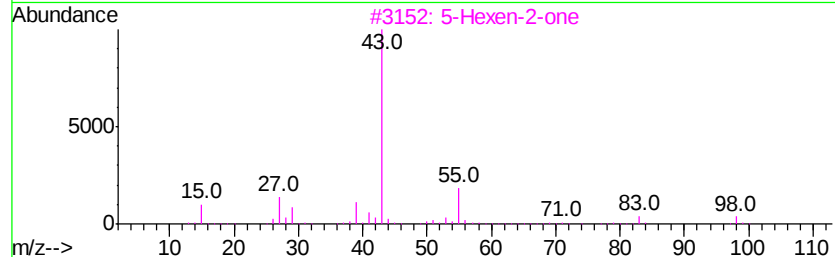
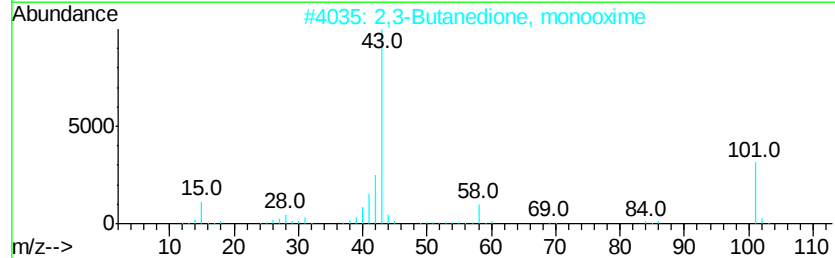
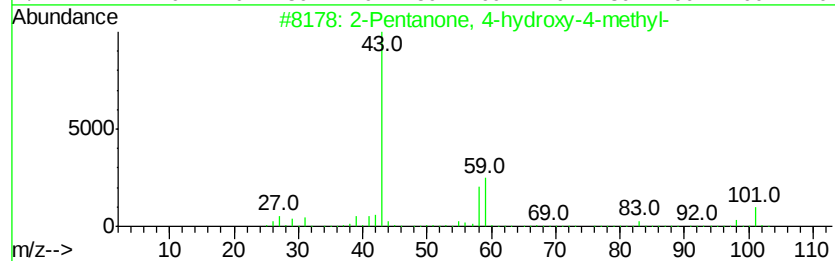
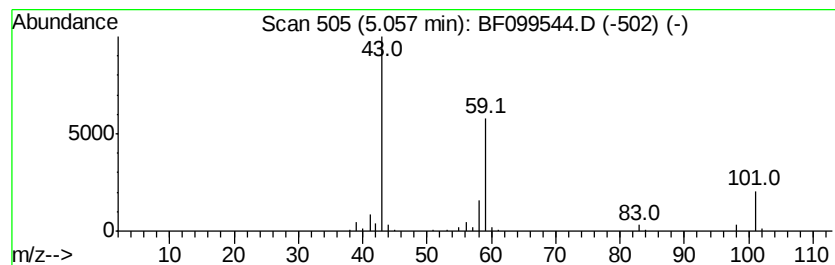
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF092317.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.06	6.11 ng	193532	1,4-Dichlorobenzene-d4	6.85

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	64
2			2,3-Butanedione, monooxime	101	C4H7NO2	000057-71-6	9
3			5-Hexen-2-one	98	C6H10O	000109-49-9	9
4			Morpholine, 4-methyl-	101	C5H11NO	000109-02-4	9
5			Propanoic acid, 3-nitro-, methyl...	133	C4H7NO4	020497-95-4	9



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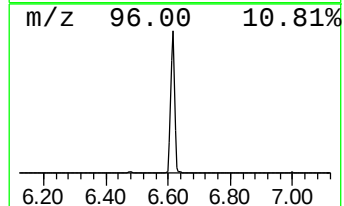
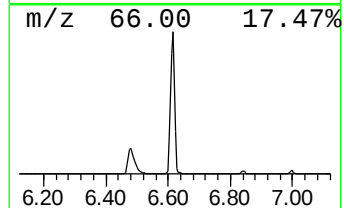
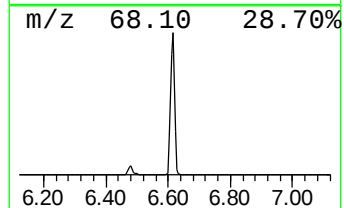
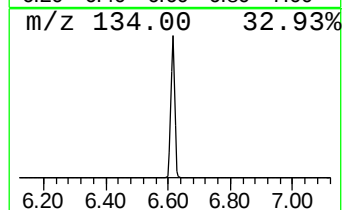
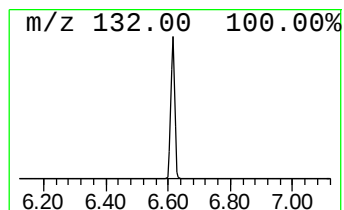
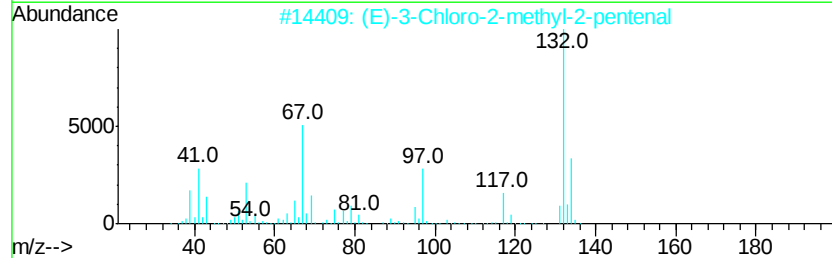
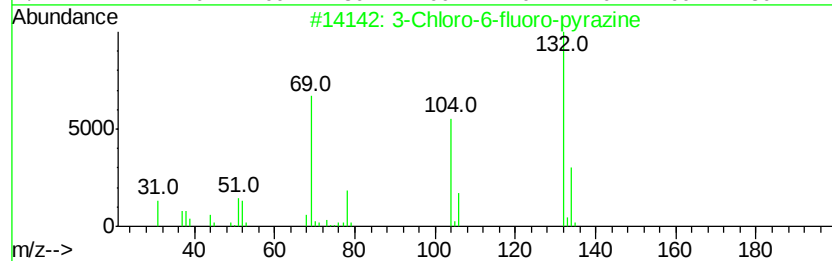
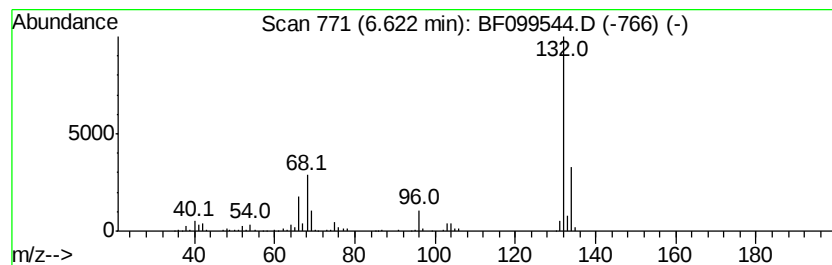
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF092317.M
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 2 unknown6.62 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.62	40.59 ng	1286790	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	38
2		(E)-3-Chloro-2-methyl-2-pentenal	132	C6H9ClO	031357-76-3	17
3		Tranvlcypropine-propionyl	189	C12H15NO	1000123-86-3	12
4		4-Chloro-2-fluoro-pyrimidine	132	C4H2ClFN2	051422-00-5	9
5		5-Fluoro-2-chloropyrimidine	132	C4H2ClFN2	062802-42-0	9



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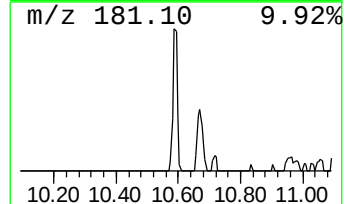
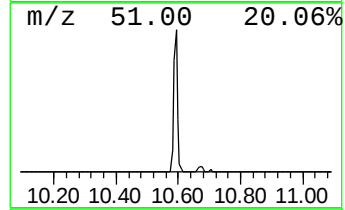
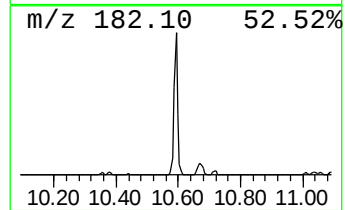
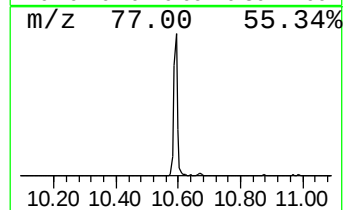
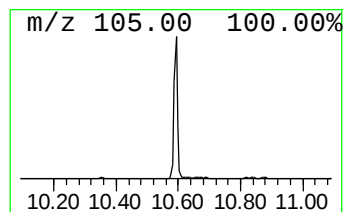
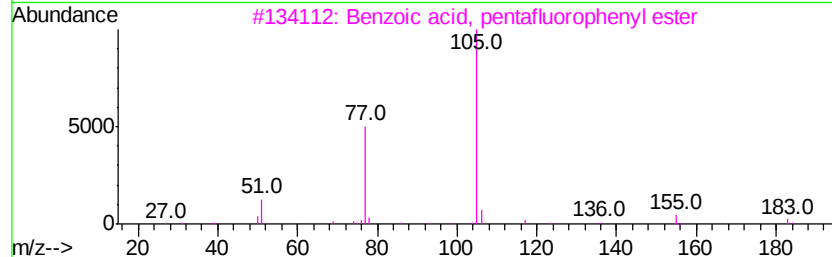
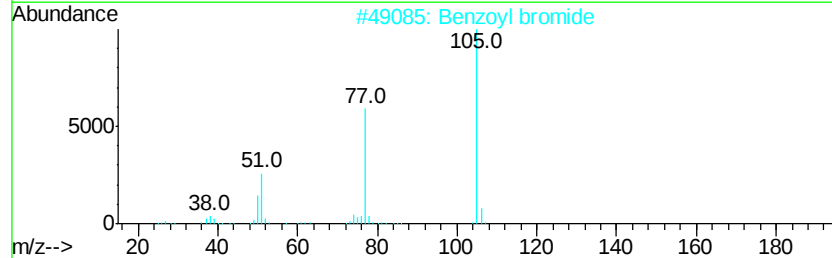
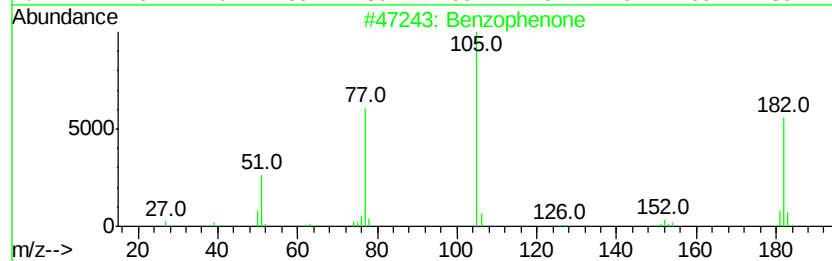
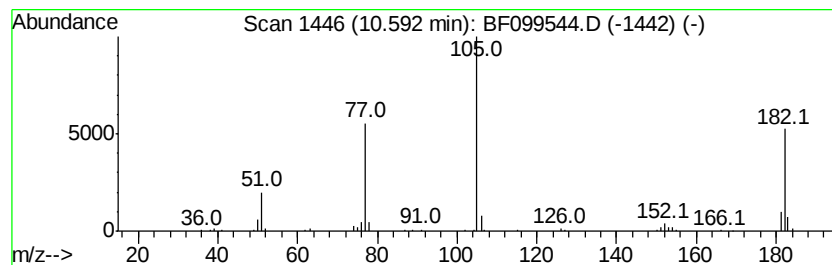
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 4 Benzophenone Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.	
10.59	3.81 ng	164409	Acenaphthene-d10	9.88	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzophenone	182	C13H10O	000119-61-9	96
2	Benzoyl bromide	184	C7H5BrO	000618-32-6	47
3	Benzoic acid, pentafluorophenyl ...	288	C13H5F5O2	1000360-67-9	47
4	Vinyl benzoate	148	C9H8O2	000769-78-8	47
5	N-(1-Cyanovinyl)benzamide	172	C10H8N2O	1000186-19-1	47



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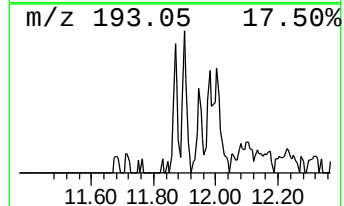
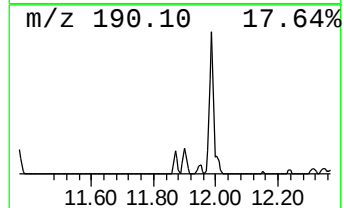
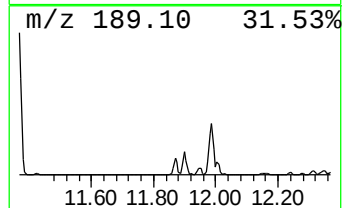
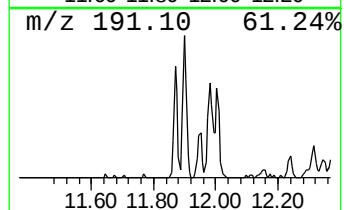
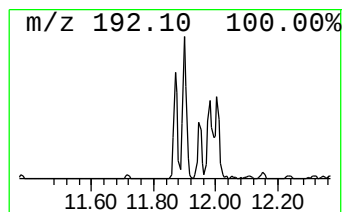
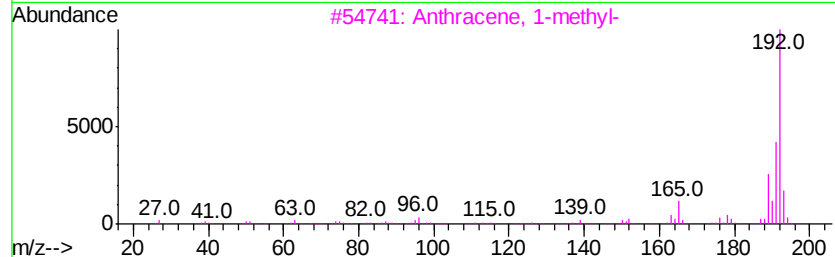
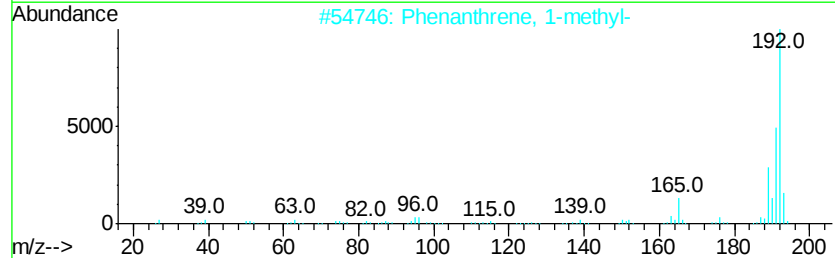
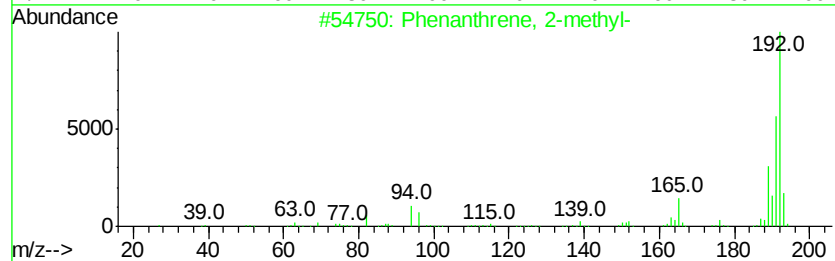
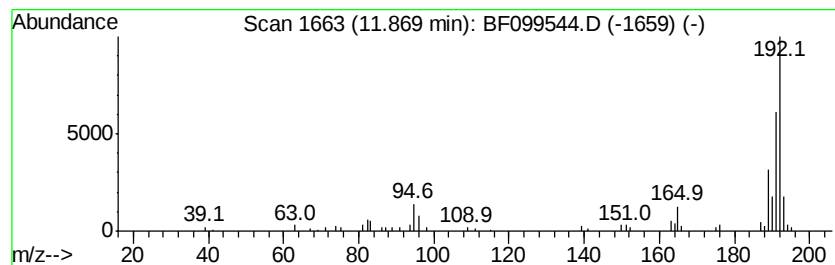
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 5 Phenanthrene, 2-methyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.87	2.12 ng	75069	Phenanthrene-d10	11.37

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
2		Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	95
3		Anthracene, 1-methyl-	192	C15H12	000610-48-0	93
4		Anthracene, 2-methyl-	192	C15H12	000613-12-7	93
5		1H-Cyclopropa[1]phenanthrene, 1a, ...	192	C15H12	000949-41-7	89



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF101617\
Data File : BF099544.D
Acq On : 16 Oct 2017 15:08
Operator : SJ/JU
Sample : I5820-01 2X
Misc :
ALS Vial : 11 Sample Multiplier: 1

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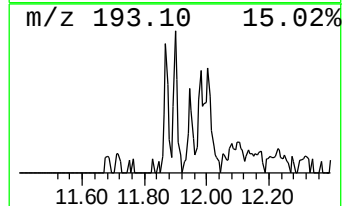
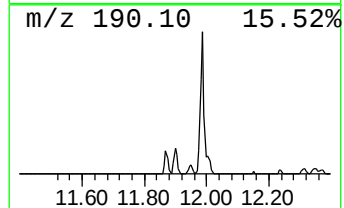
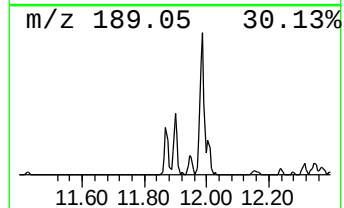
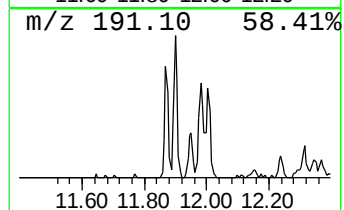
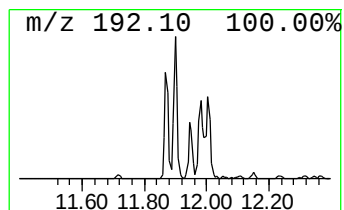
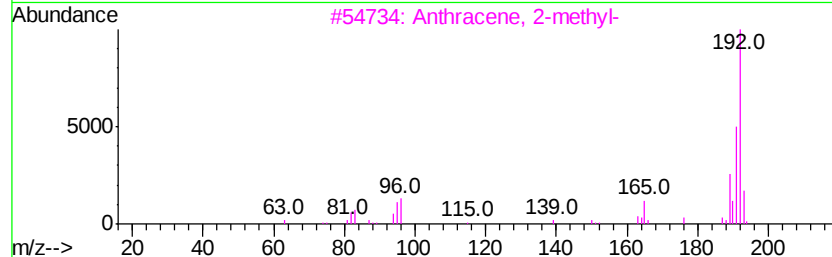
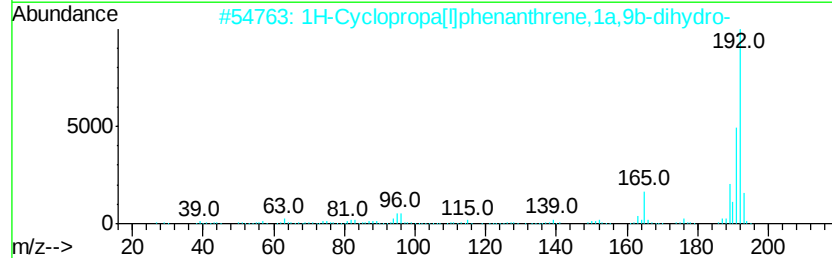
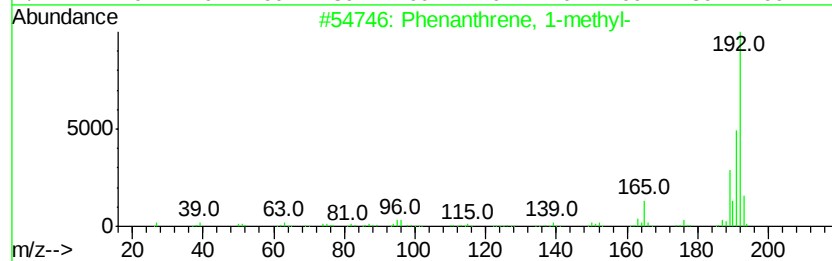
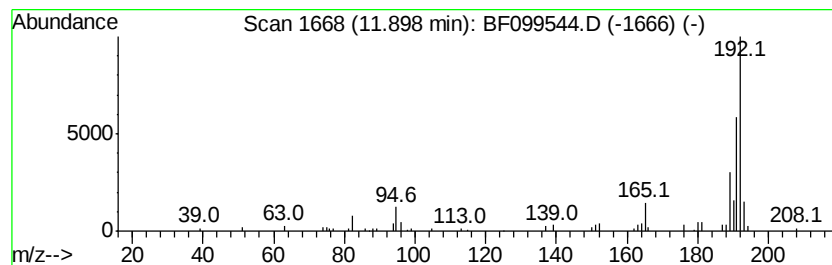
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 6 Phenanthrene, 1-methyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.90	2.29 ng	81168	Phenanthrene-d10	11.37

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	95
2		1H-Cyclopropa[1]phenanthrene,1a,...	192	C15H12	000949-41-7	94
3		Anthracene, 2-methyl-	192	C15H12	000613-12-7	91
4		Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	91
5		Anthracene, 1-methyl-	192	C15H12	000610-48-0	90



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF101617\
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Sample : I5820-01 2X
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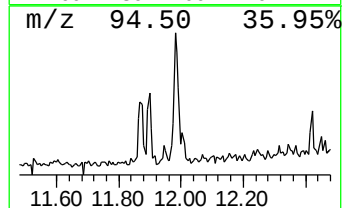
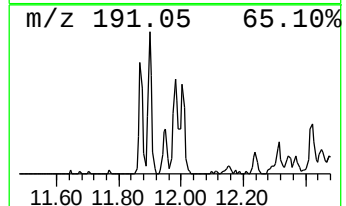
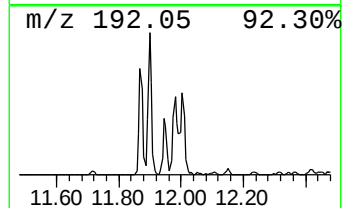
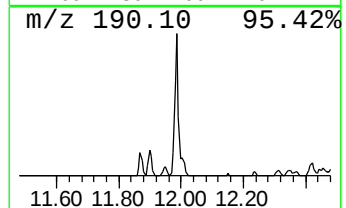
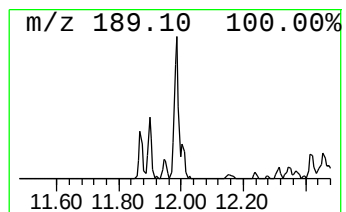
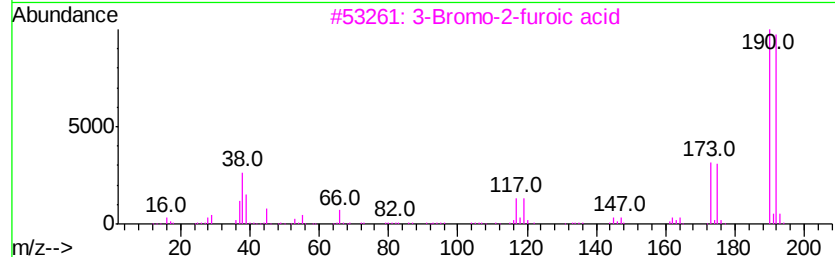
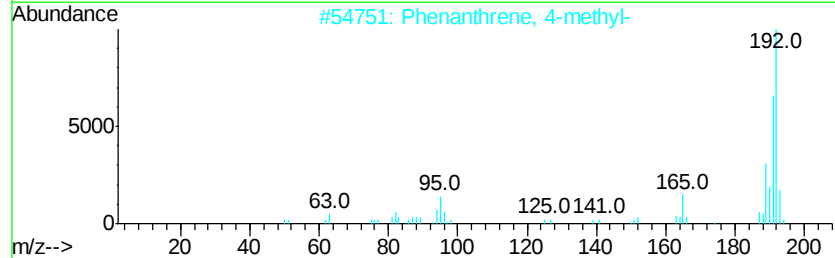
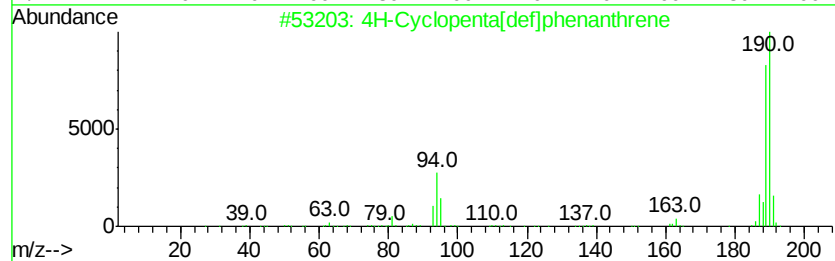
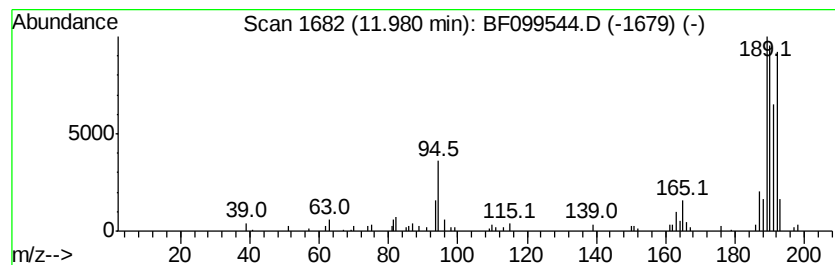
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 7 unknown11.98 Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD		R.T.
11.98	3.09 ng	109656	Phenanthrene-d10		11.37
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	49
2	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	38
3	3-Bromo-2-furoic acid	190	C5H3BrO3	014903-90-3	35
4	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	30
5	Anthracene, 2-methyl-	192	C15H12	000613-12-7	30



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF101617\
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Sample : I5820-01 2X
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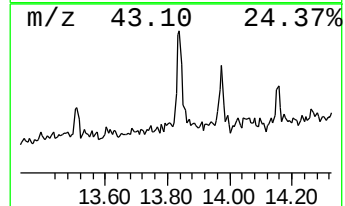
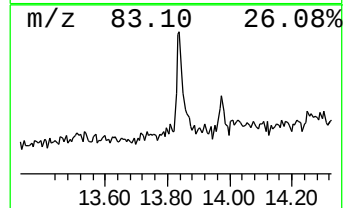
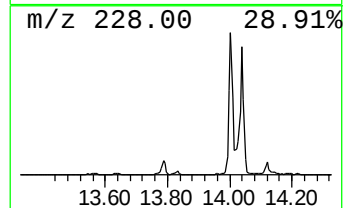
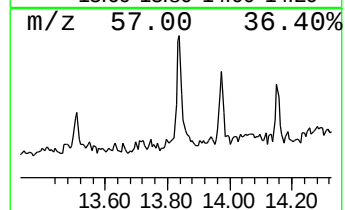
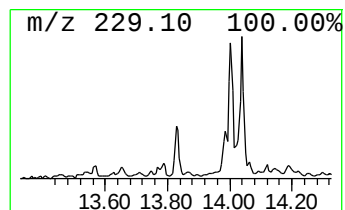
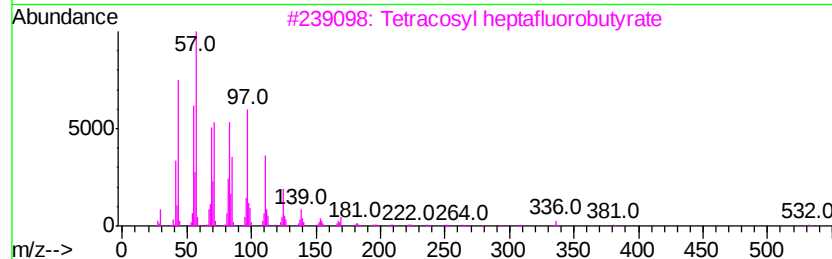
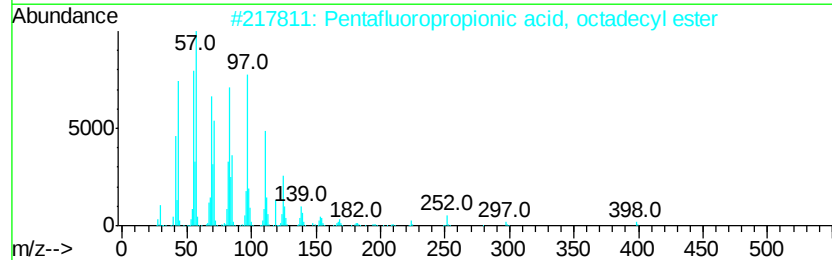
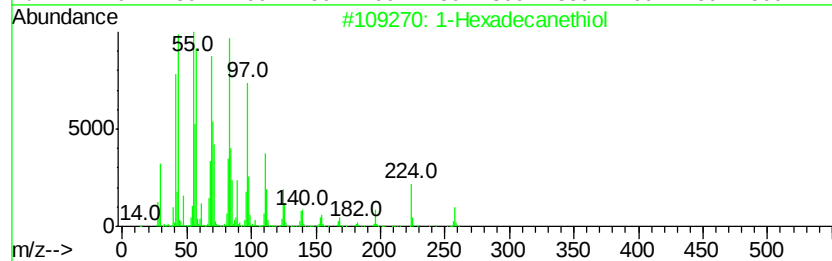
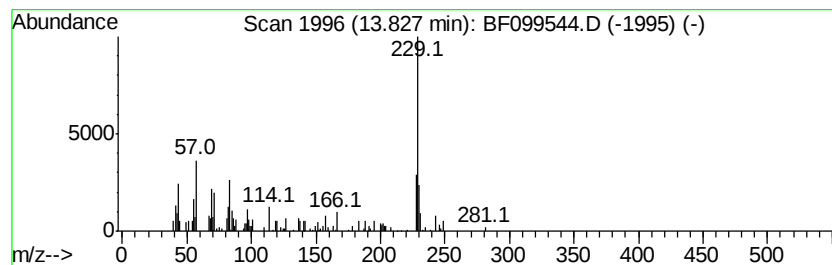
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 8 1-Hexadecanethiol Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.83	2.20 ng	99987	Chrysene-d12	14.02
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1		1-Hexadecanethiol	258 C16H34S	002917-26-2 60
2		Pentafluoropropionic acid, octad...	416 C21H37F5O2	959261-25-7 45
3		Tetracosyl heptafluorobutyrate	550 C28H49F7O2	1000351-83-7 45
4		Ethanol, 2-(tetradecyloxy)-	258 C16H34O2	002136-70-1 43
5		Heneicosyl heptafluorobutyrate	508 C25H43F7O2	1000351-83-8 43



Data Path : Z:\HPCHEM1\BNA F\DATA\BF101617\
Data File : BF099544.D
Acq On : 16 Oct 2017 15:08
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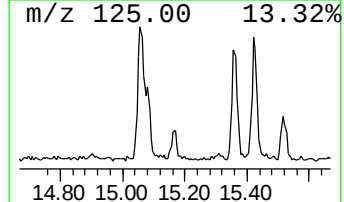
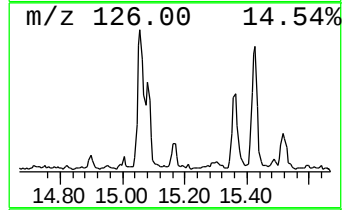
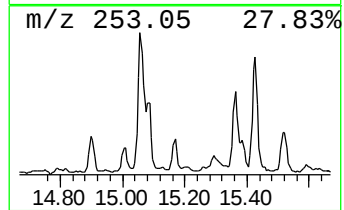
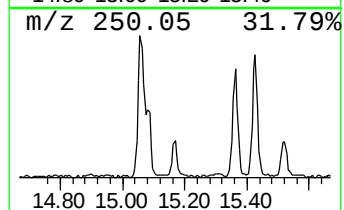
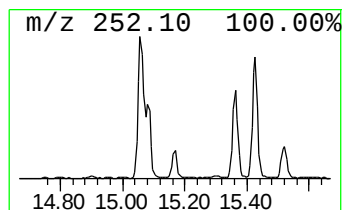
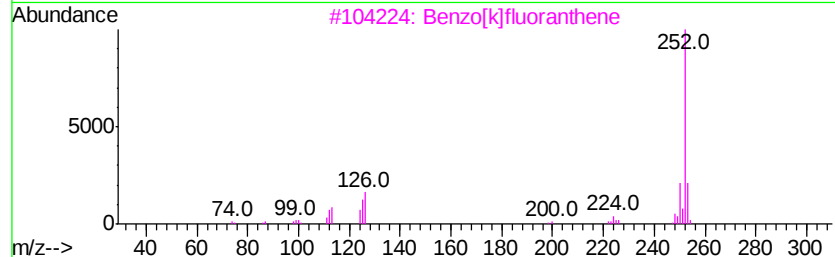
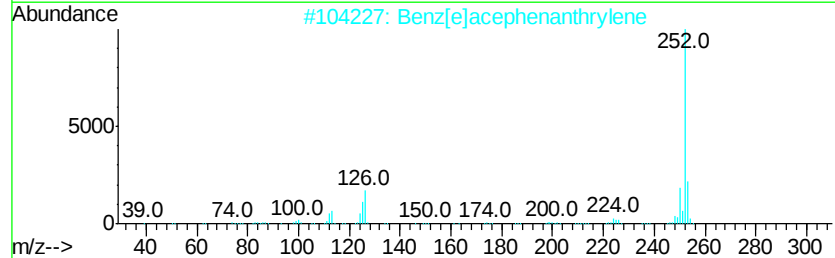
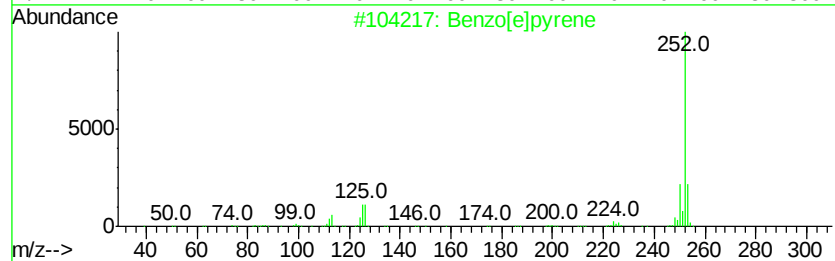
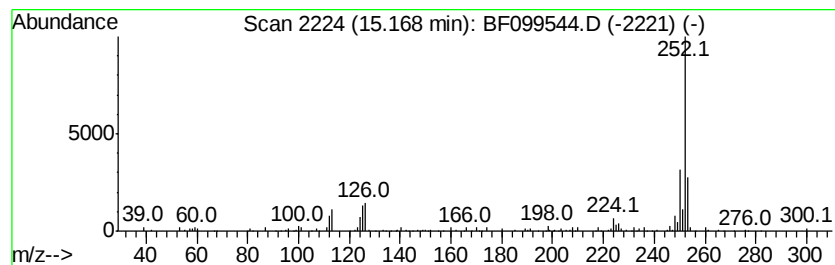
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 9 Benzo[e]pyrene Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.17	2.37 ng	68668	Perylene-d12	15.49

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzo[e]pyrene	252	C20H12	000192-97-2	96
2		Benzo[e]acephenanthrylene	252	C20H12	000205-99-2	94
3		Benzo[k]fluoranthene	252	C20H12	000207-08-9	93
4		Benzo[a]pyrene	252	C20H12	000050-32-8	87
5		Benzo[j]fluoranthene	252	C20H12	000205-82-3	83



Data Path : Z:\HPCHEM1\BNA F\DATA\BF101617\
Data File : BF099544.D
Acq On : 16 Oct 2017 15:08
Operator : SJ/JU
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Misc :
ALS Vial : 11 Sample Multiplier: 1

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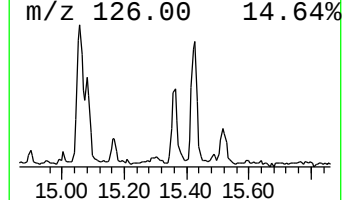
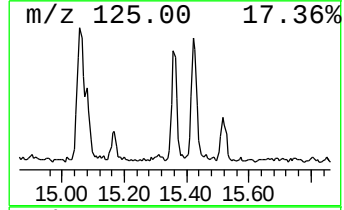
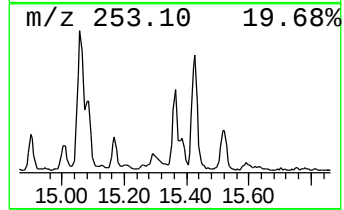
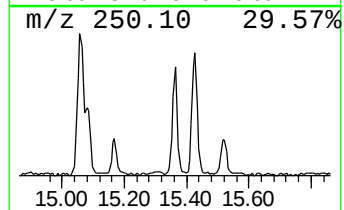
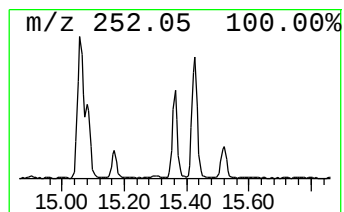
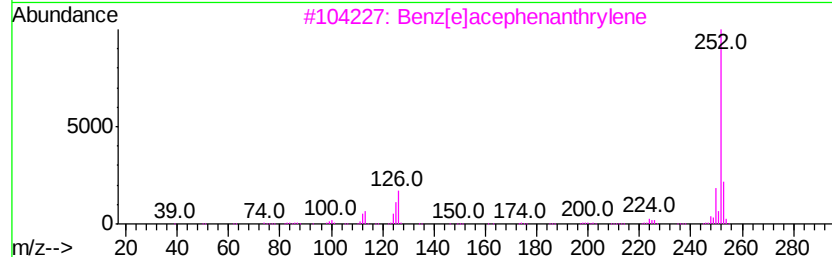
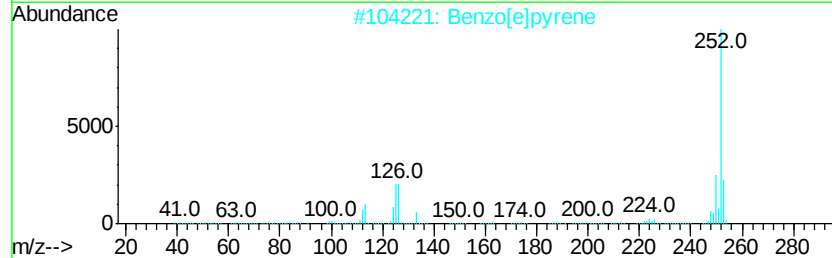
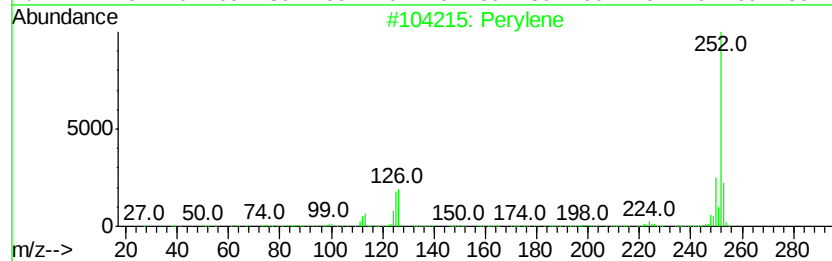
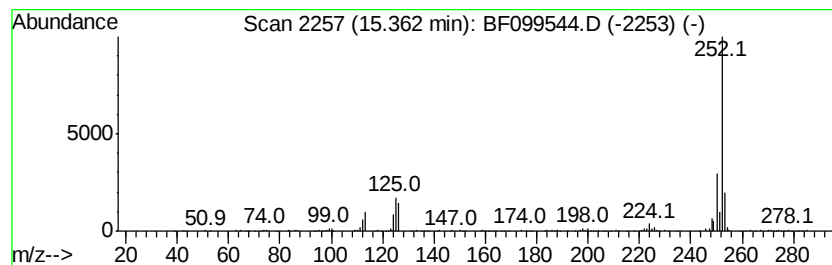
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 10 Perylene Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.36	8.21 ng	237837	Perylene-d12	15.49

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



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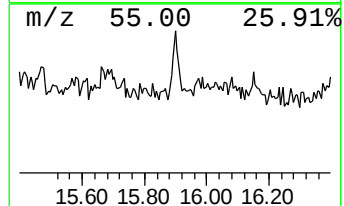
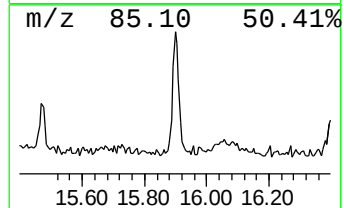
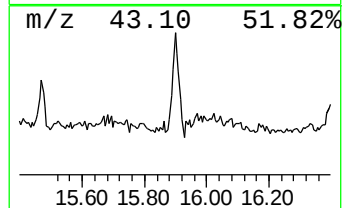
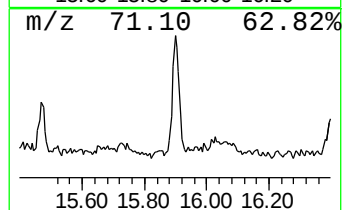
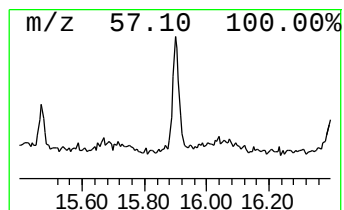
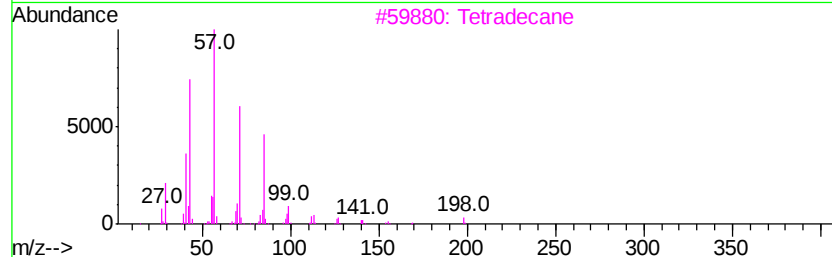
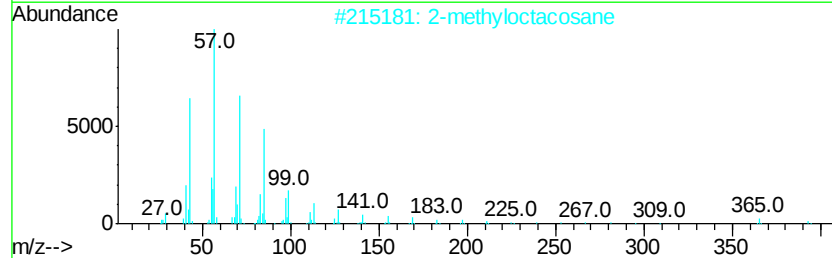
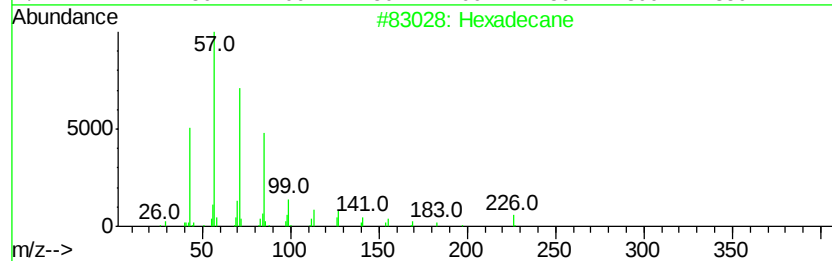
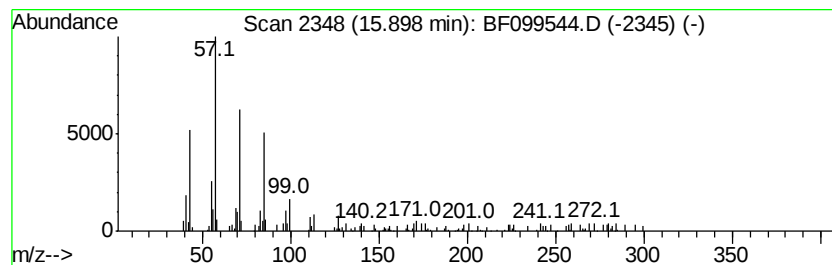
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 11 Hexadecane Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.90	2.73 ng	79058	Perylene-d12	15.49
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1	Hexadecane	226 C16H34	000544-76-3	70
2	2-methyloctacosane	408 C29H60	1000376-72-8	62
3	Tetradecane	198 C14H30	000629-59-4	62
4	Octacosane	394 C28H58	000630-02-4	62
5	Octadecane	254 C18H38	000593-45-3	58



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF101617\
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Acq On : 16 Oct 2017 15:08
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Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF092317.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...	5.06	6.1 ng		193532	1	6.85	634004	20.0
unknown6.62	6.62	40.6 ng		1286790	1	6.85	634004	20.0
Benzophenone	10.59	3.8 ng		164409	3	9.88	861947	20.0
Phenanthrene, 2-m...	11.87	2.1 ng		75069	4	11.37	709035	20.0
Phenanthrene, 1-m...	11.90	2.3 ng		81168	4	11.37	709035	20.0
unknown11.98	11.98	3.1 ng		109656	4	11.37	709035	20.0
1-Hexadecanethiol	13.83	2.2 ng		99987	5	14.02	910679	20.0
Benzo[e]pyrene	15.17	2.4 ng		68668	6	15.49	579289	20.0
Perylene	15.36	8.2 ng		237837	6	15.49	579289	20.0
Hexadecane	15.90	2.7 ng		79058	6	15.49	579289	20.0