

Data Path : Z:\HPCHEM1\BNA F\DATA\BF061317\
 Data File : BF095911.D
 Acq On : 14 Jun 2017 00:34
 Operator : SJ/MA
 Sample : I3635-04 2X
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 CL-02-061217-B

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-BF060517.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	4.540	498	502	524	rBV	24534	68079	2.87%	0.220%
2	5.245	619	622	662	rBV	288804	769721	32.47%	2.491%
3	6.916	903	906	918	rBV	315914	668721	28.21%	2.164%
4	7.010	918	922	936	rVB	548663	957849	40.40%	3.099%
5	7.351	976	980	993	rBV	295850	405707	17.11%	1.313%
6	7.586	1015	1020	1039	rBV	470441	656237	27.68%	2.123%
7	8.269	1132	1136	1155	rBV	251790	413690	17.45%	1.339%
8	9.380	1321	1325	1329	rBV	419243	503729	21.25%	1.630%
9	9.416	1329	1331	1340	rVB	67497	100691	4.25%	0.326%
10	10.545	1519	1523	1534	rBV	69921	96062	4.05%	0.311%
11	10.698	1543	1549	1555	rBV	60203	84688	3.57%	0.274%
12	11.157	1622	1627	1638	rBV	762107	904636	38.16%	2.927%
13	11.574	1691	1698	1703	rBV2	27869	60443	2.55%	0.196%
14	11.680	1711	1716	1720	rBV	58987	82070	3.46%	0.266%
15	11.721	1720	1723	1732	rVB	36233	51088	2.15%	0.165%
16	11.798	1732	1736	1741	rBV	33625	43811	1.85%	0.142%
17	11.857	1742	1746	1757	rVB2	79722	127684	5.39%	0.413%
18	11.974	1761	1766	1776	rBV	198502	283826	11.97%	0.918%
19	12.198	1799	1804	1810	rBV2	372428	494944	20.88%	1.601%
20	12.251	1810	1813	1822	rVB2	62338	85906	3.62%	0.278%
21	12.551	1859	1864	1867	rBV	37043	56450	2.38%	0.183%
22	12.751	1890	1898	1903	rBV4	37930	60186	2.54%	0.195%
23	13.051	1942	1949	1952	rBV3	36618	62527	2.64%	0.202%
24	13.092	1952	1956	1967	rVB	126009	196674	8.30%	0.636%
25	13.498	2021	2025	2035	rBV	273461	405829	17.12%	1.313%
26	13.845	2078	2084	2088	rBV5	26637	55182	2.33%	0.179%
27	13.998	2103	2110	2113	rBV	29698	57160	2.41%	0.185%
28	14.427	2180	2183	2188	rVB	41707	55653	2.35%	0.180%
29	14.598	2208	2212	2214	rVV	341806	416596	17.57%	1.348%
30	14.633	2214	2218	2226	rVB	774219	947348	39.96%	3.065%
31	14.721	2226	2233	2243	rVB	244780	337277	14.23%	1.091%
32	15.133	2300	2303	2308	rVB	35896	43682	1.84%	0.141%
33	15.398	2344	2348	2352	rBV	154929	188559	7.95%	0.610%
34	15.445	2352	2356	2362	rVV	201641	230567	9.73%	0.746%

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 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	15.515	2364	2368	2371	rVV	91231	110212	4.65%	0.357%
36	15.551	2371	2374	2378	rVV2	250761	354851	14.97%	1.148%
37	15.598	2378	2382	2393	rVB2	128293	245797	10.37%	0.795%
38	15.851	2421	2425	2431	rBV	121987	144885	6.11%	0.469%
39	15.921	2434	2437	2444	rBV4	34109	46191	1.95%	0.149%
40	16.068	2458	2462	2466	rBV3	31763	49246	2.08%	0.159%
41	16.109	2466	2469	2473	rVV2	42049	54445	2.30%	0.176%
42	16.215	2482	2487	2490	rBV	135093	175335	7.40%	0.567%
43	16.256	2490	2494	2498	rVV2	77735	125771	5.31%	0.407%
44	16.339	2503	2508	2515	rVB2	175435	229554	9.68%	0.743%
45	16.427	2515	2523	2526	rBV	1582379	2082382	87.83%	6.738%
46	16.462	2526	2529	2535	rVB	60363	79327	3.35%	0.257%
47	16.521	2535	2539	2541	rBV3	76774	90624	3.82%	0.293%
48	16.551	2541	2544	2550	rVB	114244	138236	5.83%	0.447%
49	16.609	2550	2554	2560	rBV3	62011	117920	4.97%	0.382%
50	16.656	2560	2562	2567	rVB2	35576	50276	2.12%	0.163%
51	16.727	2567	2574	2578	rBV	1776348	2370800	100.00%	7.671%
52	16.809	2583	2588	2591	rVV2	46574	68429	2.89%	0.221%
53	16.915	2602	2606	2610	rBV	107726	132727	5.60%	0.429%
54	16.974	2611	2616	2621	rVB	635862	763565	32.21%	2.471%
55	17.045	2625	2628	2633	rVV	126113	191529	8.08%	0.620%
56	17.162	2642	2648	2650	rBV4	135189	257020	10.84%	0.832%
57	17.192	2650	2653	2659	rVB2	220863	279068	11.77%	0.903%
58	17.245	2659	2662	2664	rBV4	41085	58599	2.47%	0.190%
59	17.274	2664	2667	2671	rVB	146947	169130	7.13%	0.547%
60	17.321	2671	2675	2682	rBV3	242211	396770	16.74%	1.284%
61	17.380	2682	2685	2689	rVV4	36666	54376	2.29%	0.176%
62	17.439	2689	2695	2698	rVV2	138308	189366	7.99%	0.613%
63	17.480	2698	2702	2707	rVV	122523	158350	6.68%	0.512%
64	17.827	2758	2761	2764	rBV4	51876	66832	2.82%	0.216%
65	17.880	2766	2770	2774	rVV	189617	232073	9.79%	0.751%
66	17.992	2785	2789	2792	rVV	136765	176088	7.43%	0.570%
67	18.021	2792	2794	2797	rVV	257257	252016	10.63%	0.815%
68	18.056	2797	2800	2803	rVV	167801	184463	7.78%	0.597%
69	18.092	2803	2806	2810	rVB2	108611	127337	5.37%	0.412%
70	18.156	2814	2817	2824	rVB2	165009	209247	8.83%	0.677%
71	18.215	2824	2827	2830	rBV	41197	54845	2.31%	0.177%

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72	18.245	2830	2832	2835	rVV4	46635	56875	2.40%	0.184%
73	18.315	2838	2844	2848	rVV2	1162460	1835772	77.43%	5.940%
74	18.356	2848	2851	2861	rVV	1001879	1237180	52.18%	4.003%
75	18.445	2863	2866	2870	rVB2	151071	180846	7.63%	0.585%
76	18.533	2877	2881	2886	rBV2	117339	183136	7.72%	0.593%
77	18.598	2889	2892	2897	rVB2	92855	122866	5.18%	0.398%
78	18.645	2897	2900	2906	rVB4	125706	165407	6.98%	0.535%
79	18.827	2927	2931	2935	rVV2	189400	211978	8.94%	0.686%
80	18.868	2935	2938	2941	rVB	112630	123735	5.22%	0.400%
81	18.939	2943	2950	2953	rBV4	101402	174389	7.36%	0.564%
82	18.974	2953	2956	2959	rBV2	80547	120785	5.09%	0.391%
83	19.033	2964	2966	2969	rVB3	73807	69413	2.93%	0.225%
84	19.403	3026	3029	3031	rBV2	47389	51679	2.18%	0.167%
85	19.433	3031	3034	3037	rVV2	93311	113978	4.81%	0.369%
86	19.539	3050	3052	3056	rVB2	51998	52284	2.21%	0.169%
87	19.592	3056	3061	3064	rBV	868741	1355855	57.19%	4.387%
88	19.615	3064	3065	3071	rVB2	510256	479173	20.21%	1.550%
89	19.697	3076	3079	3084	rVB	197856	211972	8.94%	0.686%
90	19.750	3086	3088	3092	rVB2	58109	61952	2.61%	0.200%
91	19.880	3106	3110	3114	rBV	558974	604620	25.50%	1.956%
92	19.939	3116	3120	3124	rVV	759323	841019	35.47%	2.721%
93	19.992	3126	3129	3132	rVV	230933	273649	11.54%	0.885%
94	20.021	3132	3134	3138	rVB	204694	187971	7.93%	0.608%
95	20.509	3214	3217	3224	rVB5	67258	116105	4.90%	0.376%
96	20.797	3262	3266	3269	rBV4	68461	121713	5.13%	0.394%
97	21.168	3324	3329	3334	rVB	396328	620512	26.17%	2.008%
98	21.291	3347	3350	3354	rBV	70111	109829	4.63%	0.355%
99	21.497	3380	3385	3392	rBV	327234	542242	22.87%	1.755%
100	21.697	3415	3419	3432	rVB3	83713	217317	9.17%	0.703%

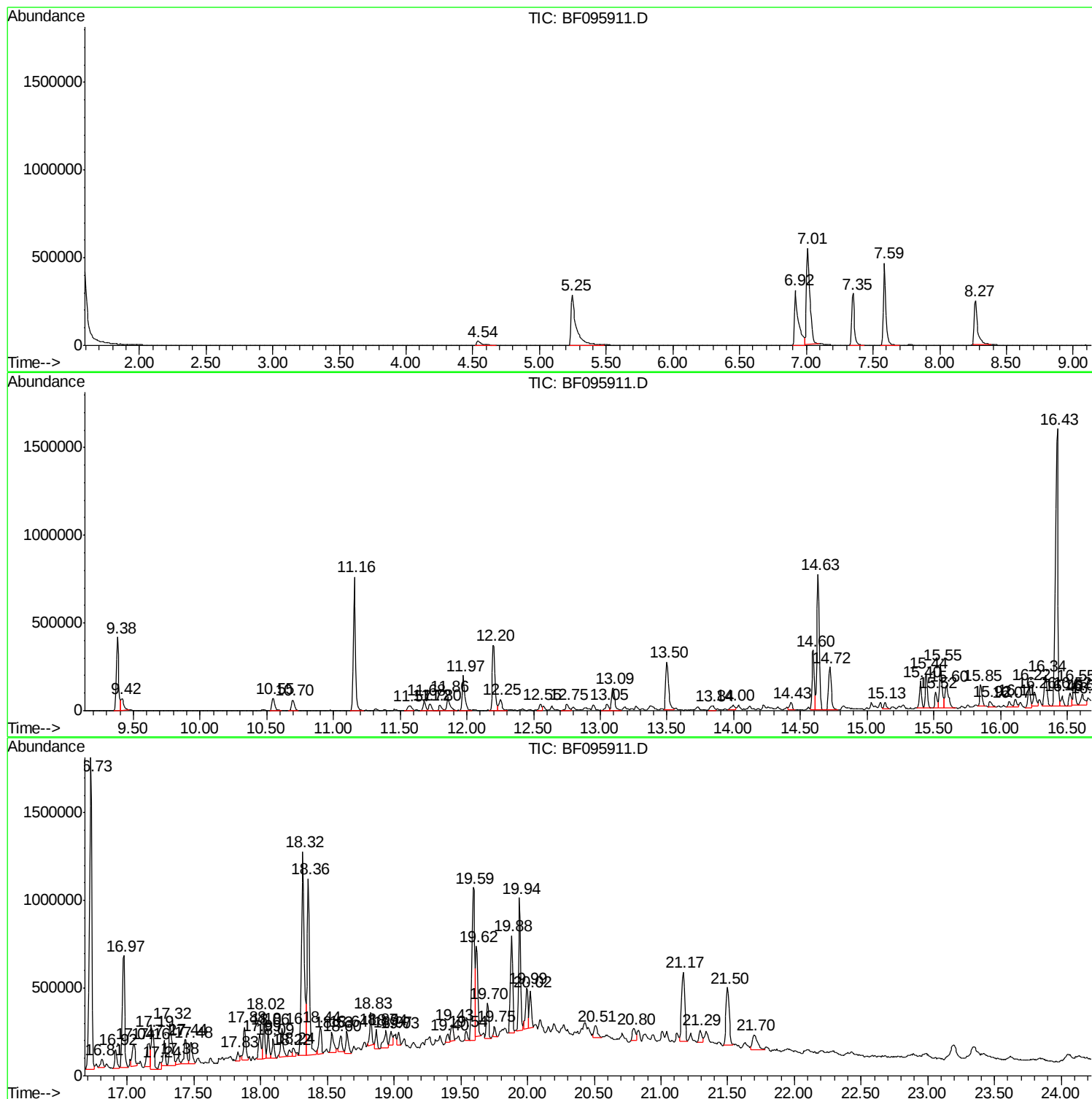
Sum of corrected areas: 30905206

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Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF060517.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



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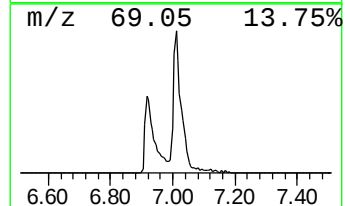
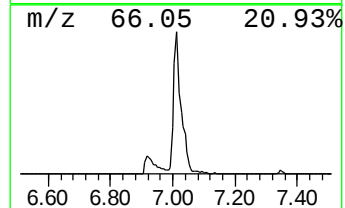
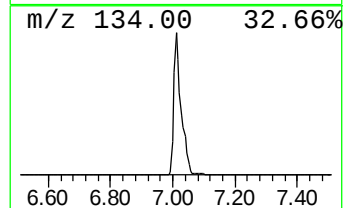
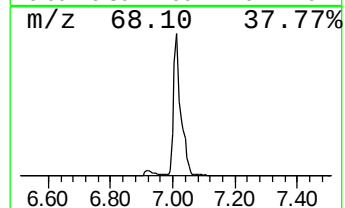
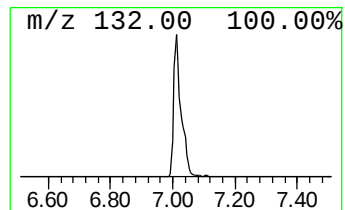
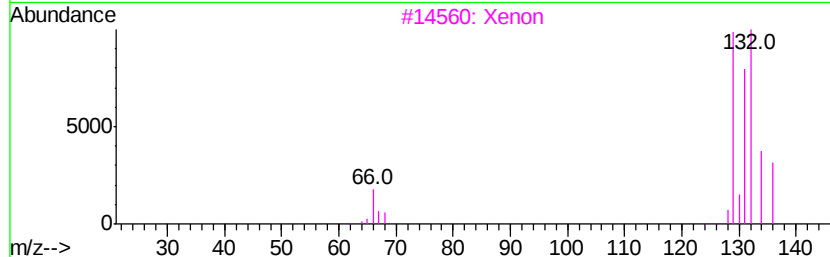
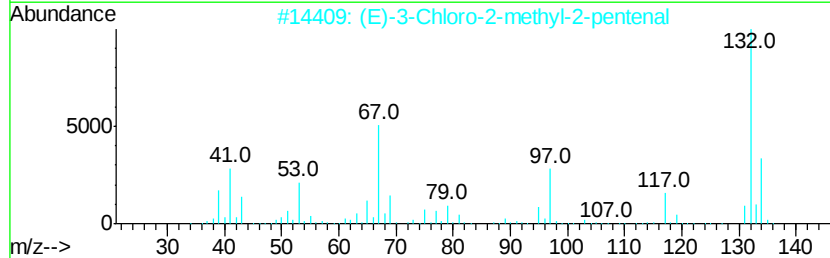
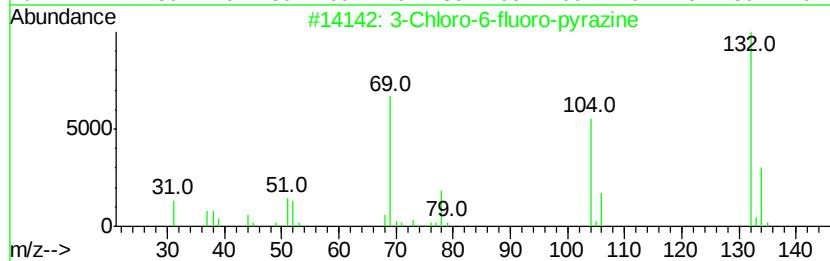
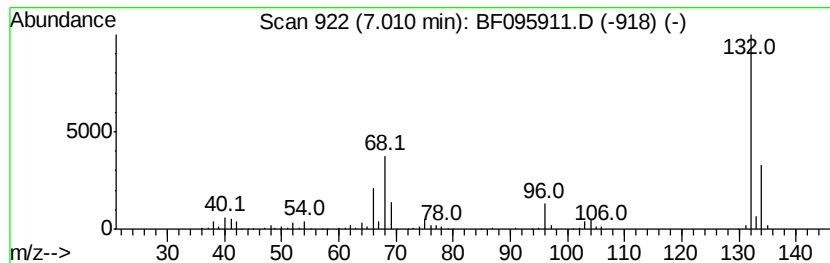
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF060517.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 1 unknown7.01 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.01	47.22 ng	957849	1,4-Dichlorobenzene-d4	7.35

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	25
2		(E)-3-Chloro-2-methyl-2-pentenal	132	C6H9ClO	031357-76-3	12
3		Xenon	132	Xe	007440-63-3	9
4		1H-Benzimidazole, 2-methyl-	132	C8H8N2	000615-15-6	9
5		5-Fluoro-2-chloropyrimidine	132	C4H2ClFN2	062802-42-0	9



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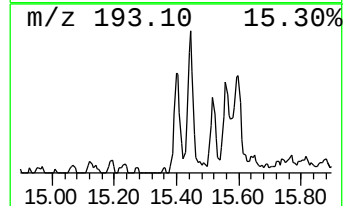
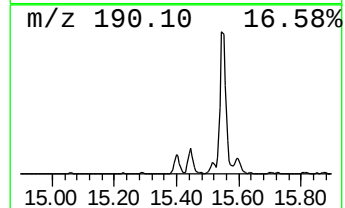
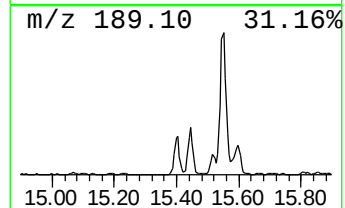
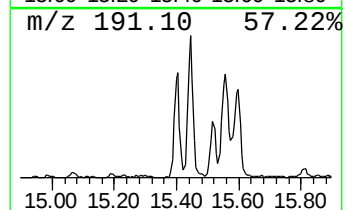
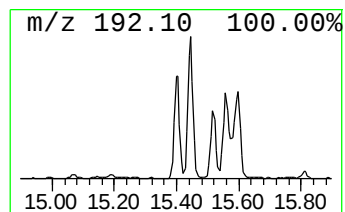
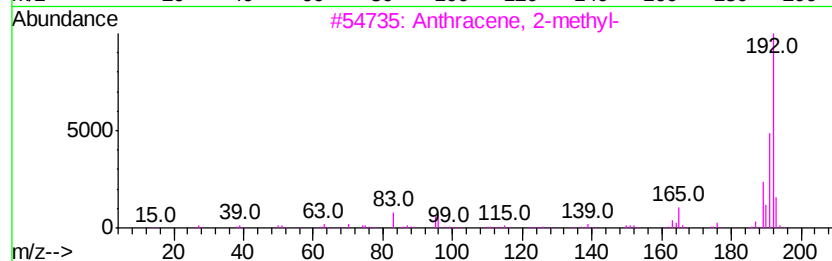
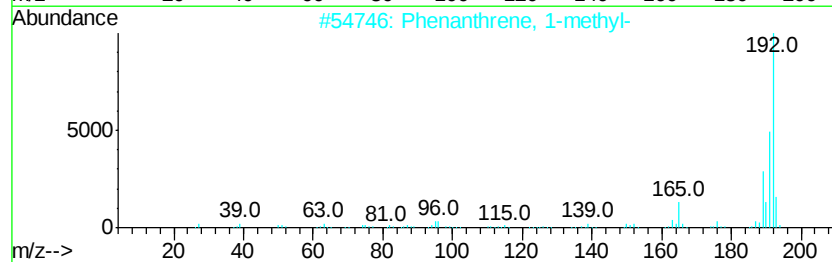
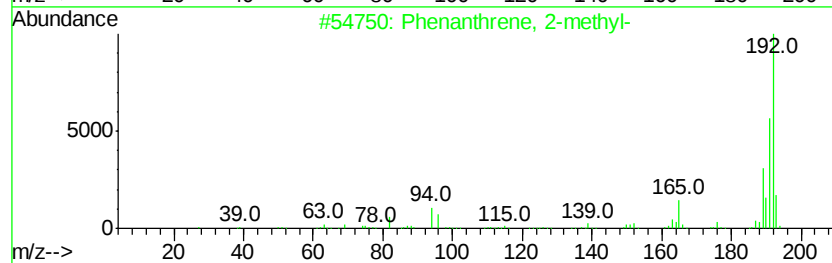
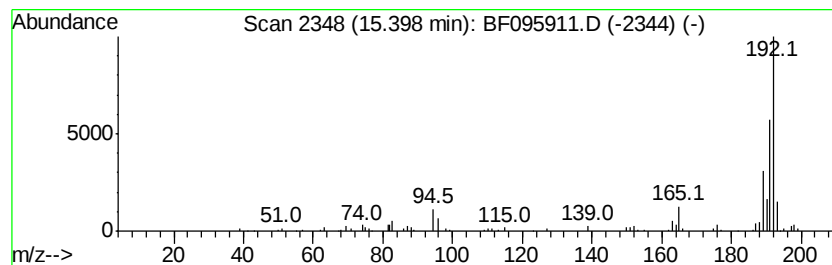
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 3 Phenanthrene, 2-methyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.40	9.05 ng	188559	Phenanthrene-d10	14.60

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
2		Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	96
3		Anthracene, 2-methyl-	192	C15H12	000613-12-7	93
4		Anthracene, 9-methyl-	192	C15H12	000779-02-2	91
5		Anthracene, 1-methyl-	192	C15H12	000610-48-0	90



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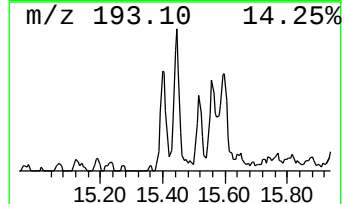
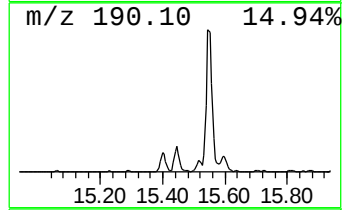
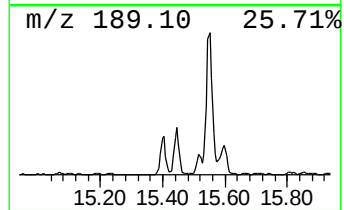
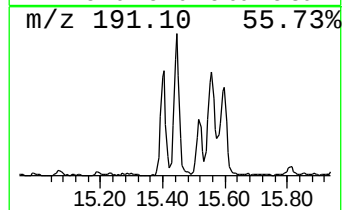
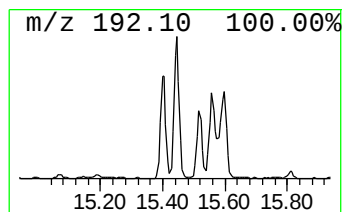
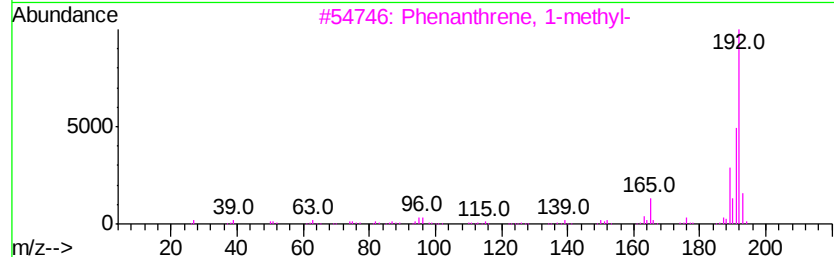
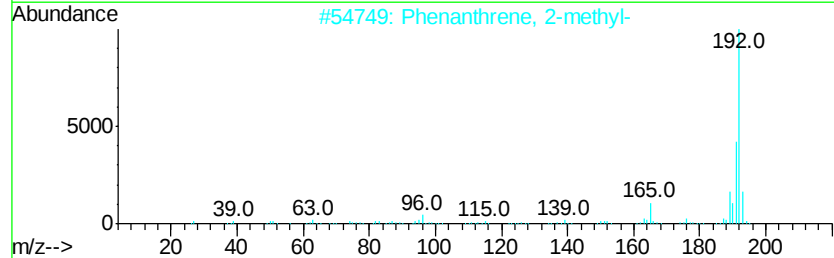
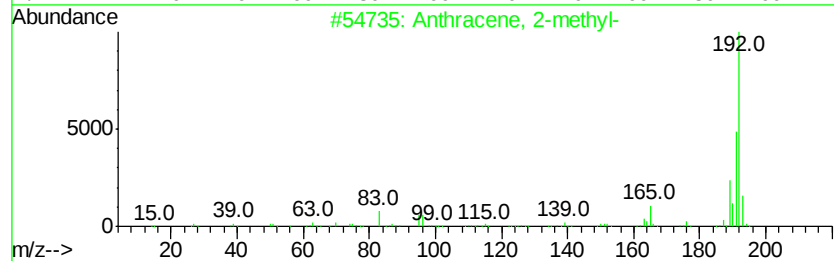
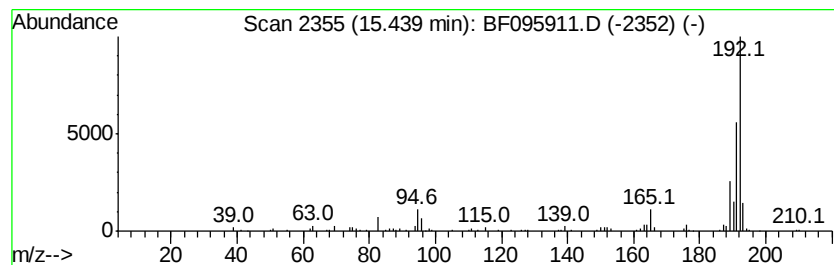
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Peak Number 4 Anthracene, 2-methyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.44	11.07 ng	230567	Phenanthrene-d10	14.60

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		Anthracene, 2-methyl-	192	C15H12	000613-12-7	95
2		Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	93
3		Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	91
4		Anthracene, 1-methyl-	192	C15H12	000610-48-0	91
5		Anthracene, 9-methyl-	192	C15H12	000779-02-2	91



Data Path : Z:\HPCHEM1\BNA F\DATA\BF061317\
Data File : BF095911.D
Acq On : 14 Jun 2017 00:34
Operator : SJ/MA
Sample : I3635-04 2X
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
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ClientSampleId :
CL-02-061217-B

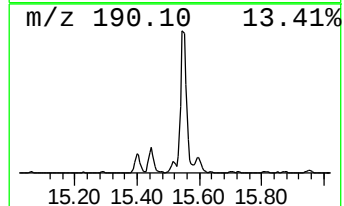
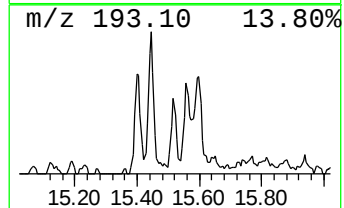
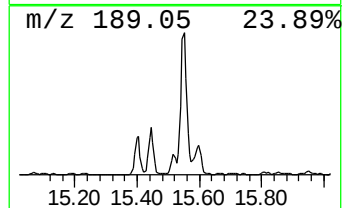
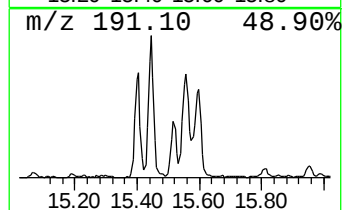
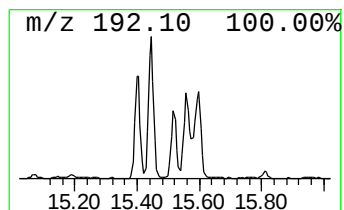
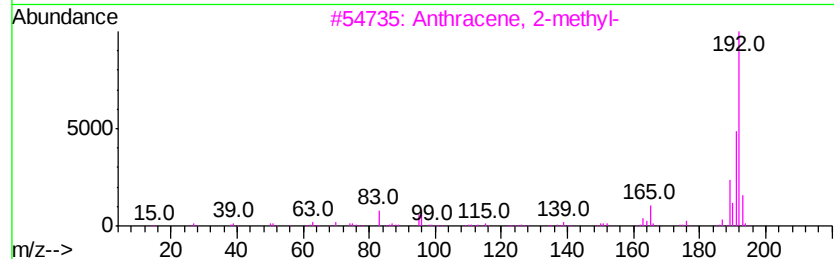
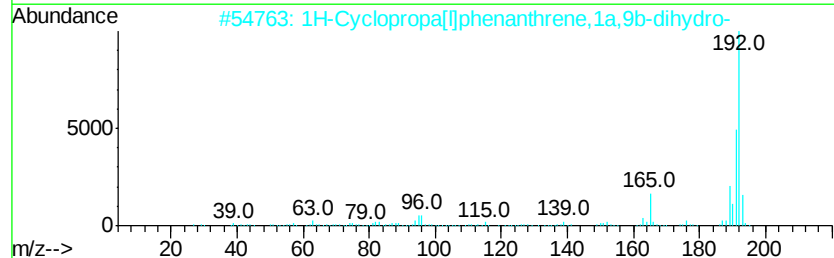
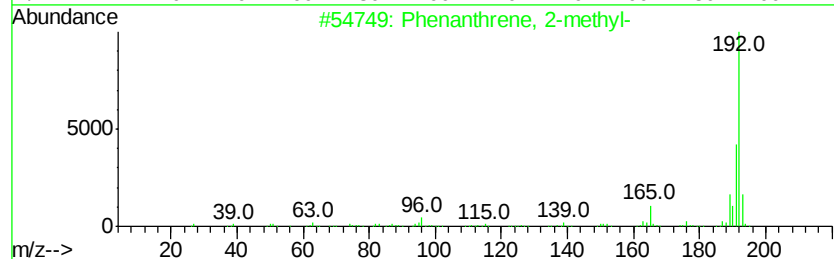
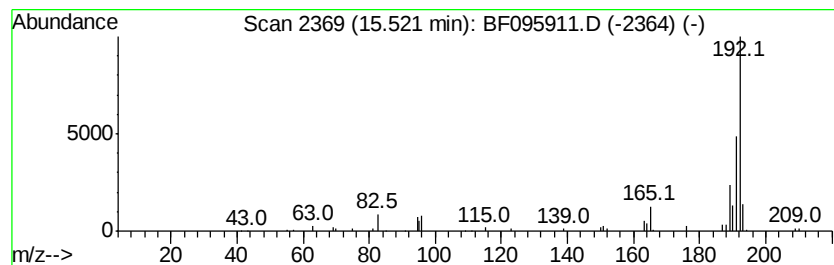
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 5 Anthracene, 9-methyl- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.52	5.29 ng	110212	Phenanthrene-d10	14.60

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	94
2		1H-Cyclopropa[1]phenanthrene,1a,...	192	C15H12	000949-41-7	94
3		Anthracene, 2-methyl-	192	C15H12	000613-12-7	94
4		Anthracene, 1-methyl-	192	C15H12	000610-48-0	94
5		Anthracene, 9-methyl-	192	C15H12	000779-02-2	93



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF061317\
Data File : BF095911.D
Acq On : 14 Jun 2017 00:34
Operator : SJ/MA
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ClientSampleId :
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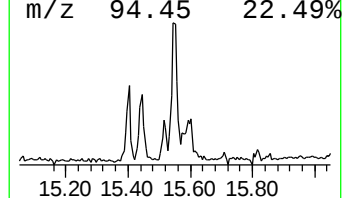
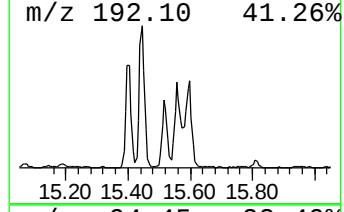
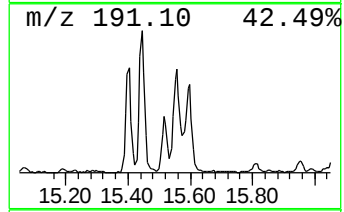
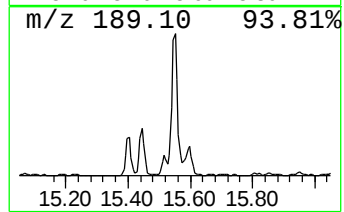
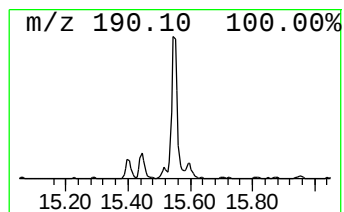
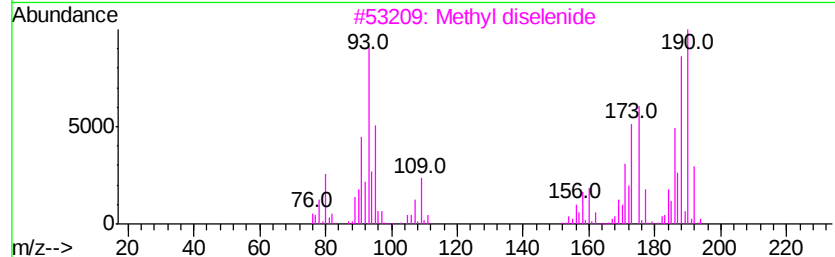
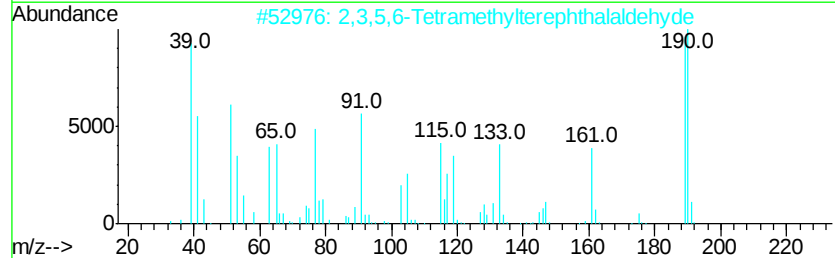
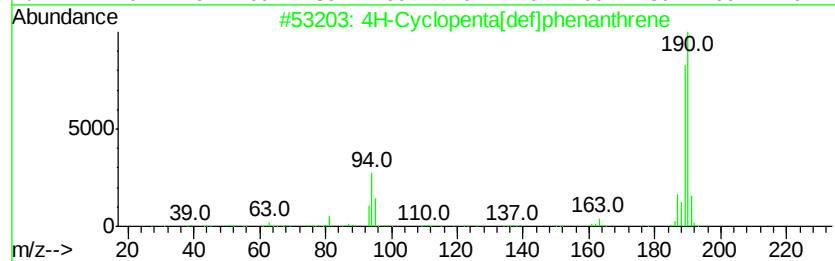
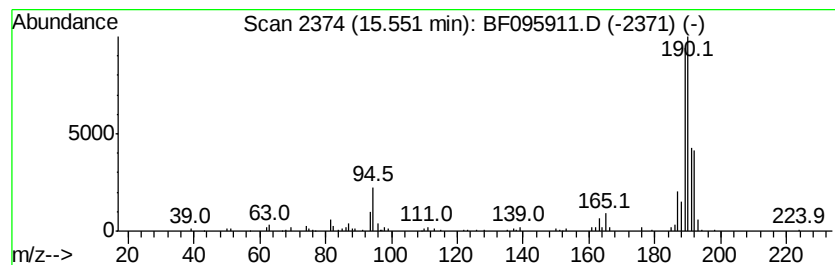
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 6 4H-Cyclopenta[def]phenanthrene Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.55	17.04 ng	354851	Phenanthrene-d10	14.60

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	76
2		2,3,5,6-Tetramethylterephthalald...	190	C12H14O2	007072-01-7	43
3		Methyl diselenide	190	C2H6Se2	007101-31-7	43
4		6H-Cyclobuta[flk]phenanthrene	190	C15H10	083469-43-6	42
5		2,2'-Bis(4,5-dimethylimidazole)	190	C10H14N4	069286-06-2	38



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF061317\
Data File : BF095911.D
Acq On : 14 Jun 2017 00:34
Operator : SJ/MA
Sample : I3635-04 2X
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Instrument :
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ClientSampleId :
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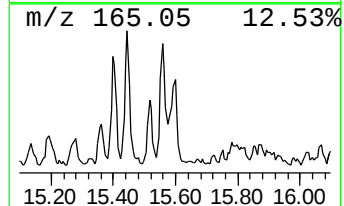
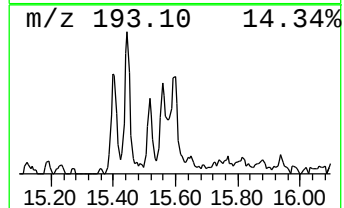
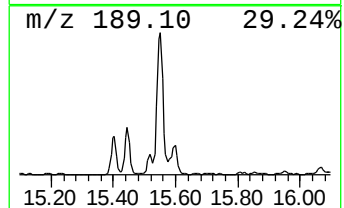
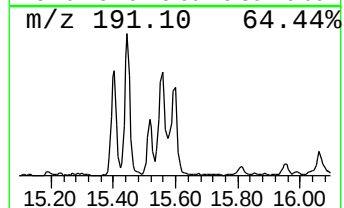
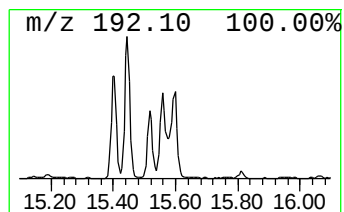
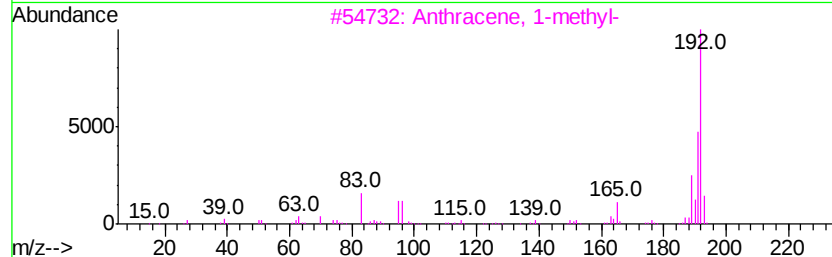
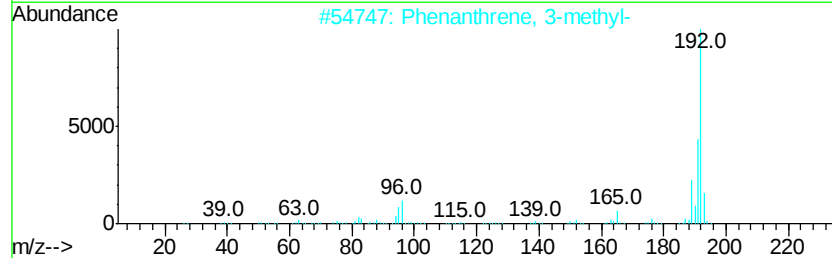
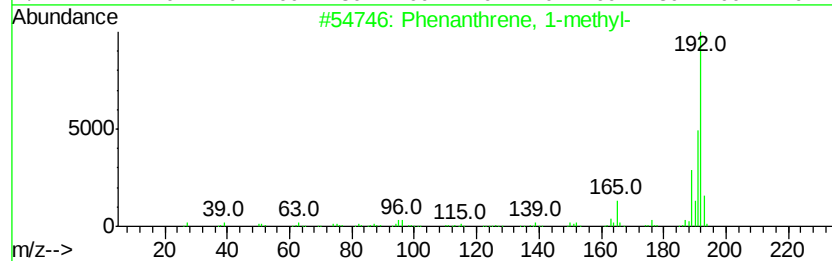
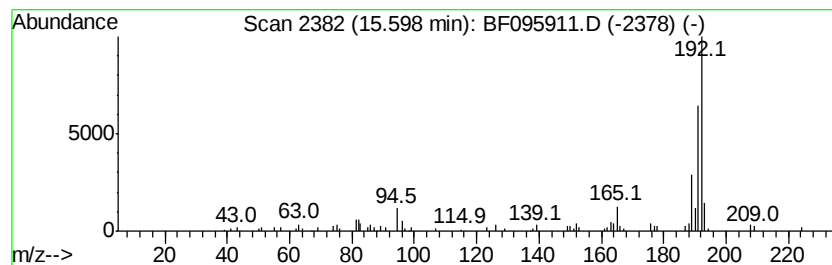
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 7 Phenanthrene, 1-methyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.60	11.80 ng	245797	Phenanthrene-d10	14.60

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	95
2	Phenanthrene, 3-methyl-	192	C15H12	000832-71-3	94
3	Anthracene, 1-methyl-	192	C15H12	000610-48-0	94
4	Anthracene, 2-methyl-	192	C15H12	000613-12-7	94
5	1H-Cyclopropa[1]phenanthrene, 1a,...	192	C15H12	000949-41-7	89



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF061317\
Data File : BF095911.D
Acq On : 14 Jun 2017 00:34
Operator : SJ/MA
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Misc :
ALS Vial : 18 Sample Multiplier: 1

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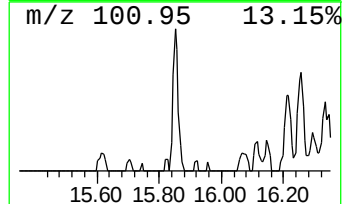
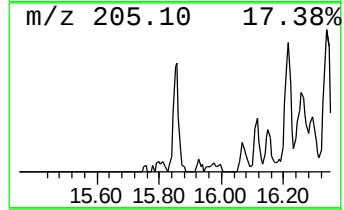
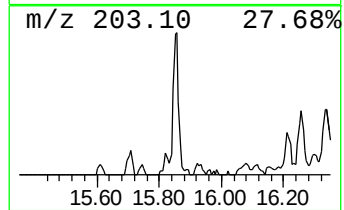
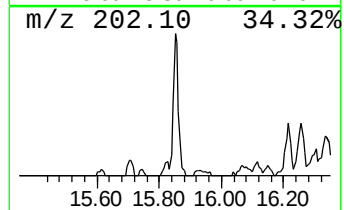
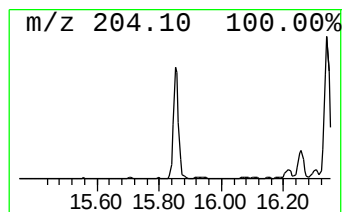
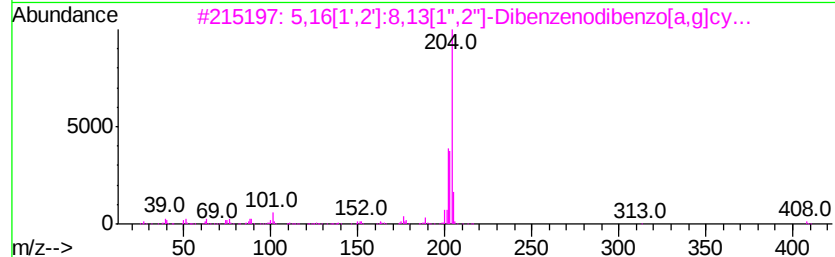
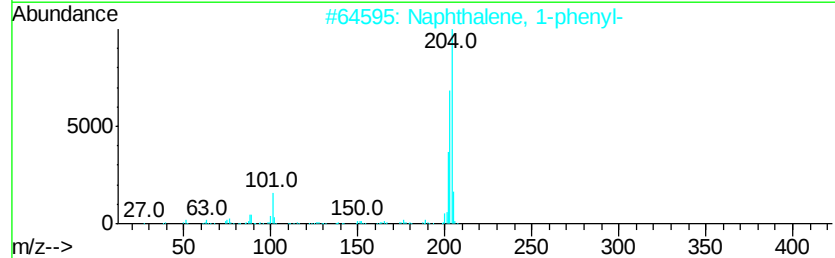
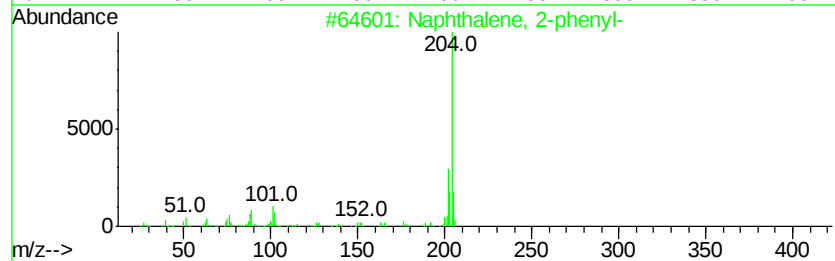
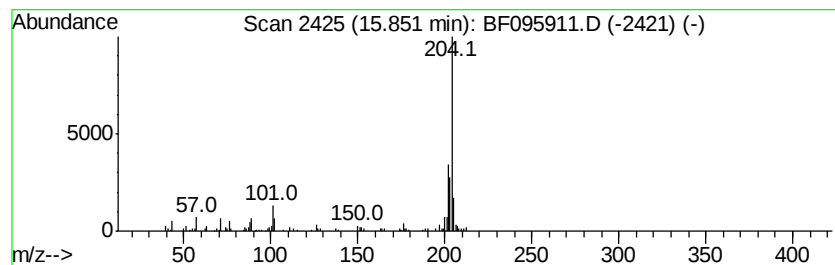
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 8 Naphthalene, 2-phenyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.85	6.96 ng	144885	Phenanthrene-d10	14.60

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	95
2		Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	86
3		5,16[1',2':8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	86
4		Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	81
5		9,10-Bis(bromomethyl)anthracene	362	C16H12Br2	034373-96-1	62



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF061317\
Data File : BF095911.D
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Operator : SJ/MA
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Misc :
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Instrument :
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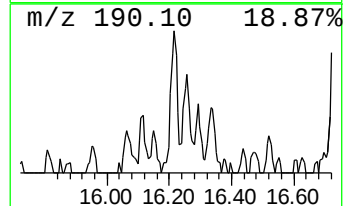
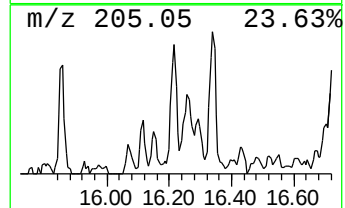
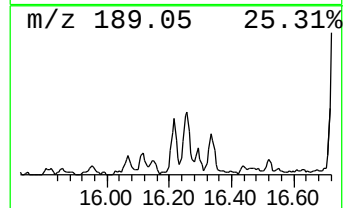
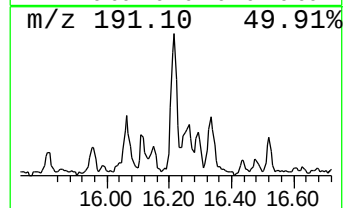
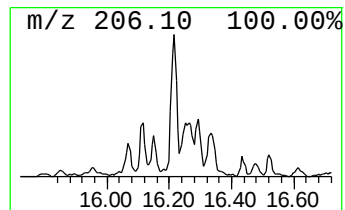
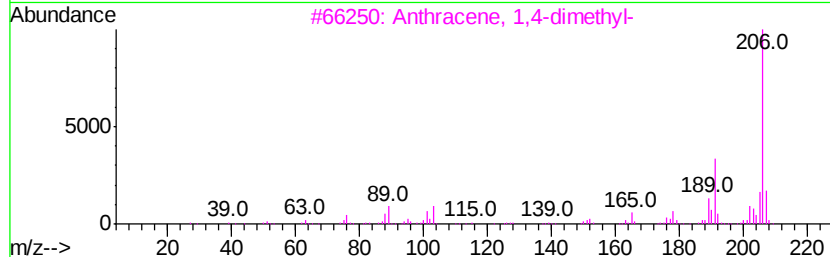
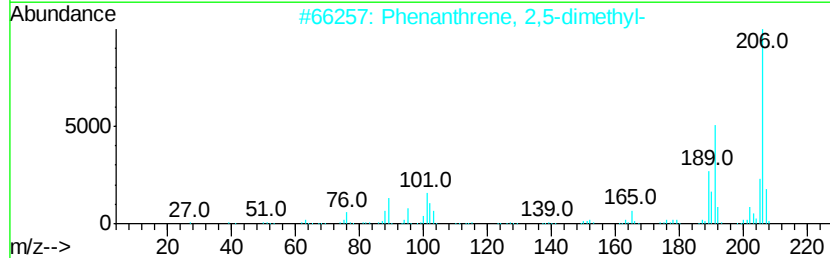
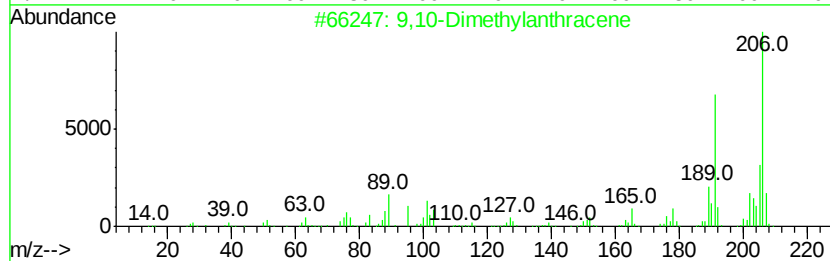
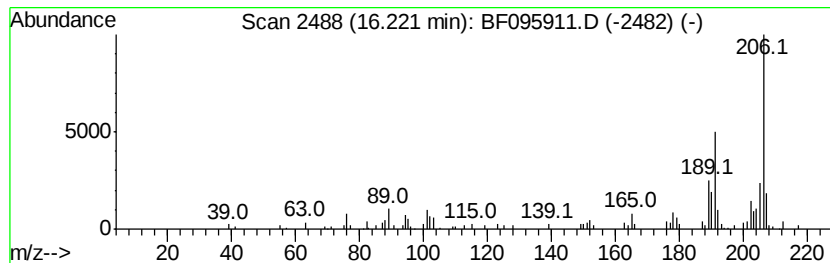
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 9 9,10-Dimethylantracene Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.22	8.42 ng	175335	Phenanthrene-d10	14.60

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		9,10-Dimethylantracene	206	C16H14	000781-43-1	98
2		Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	96
3		Anthracene, 1,4-dimethyl-	206	C16H14	000781-92-0	93
4		Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	93
5		Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	90



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF061317\
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ClientSampleId :
CL-02-061217-B

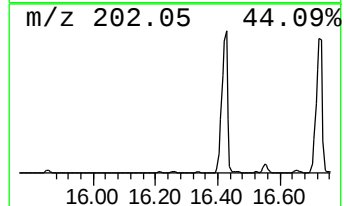
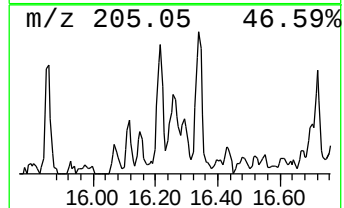
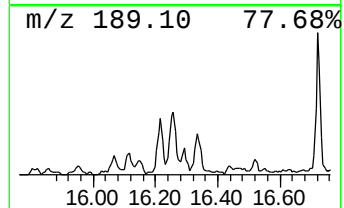
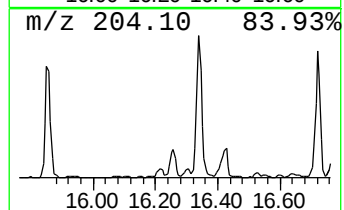
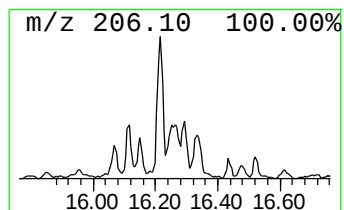
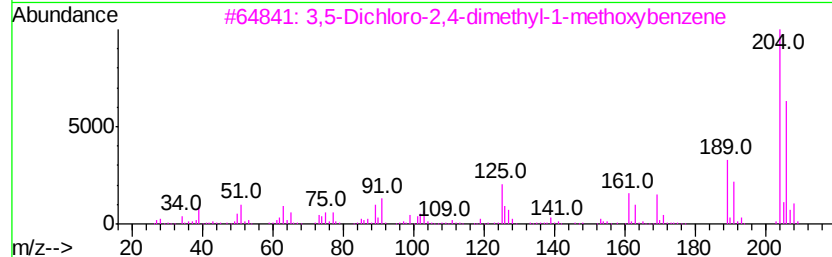
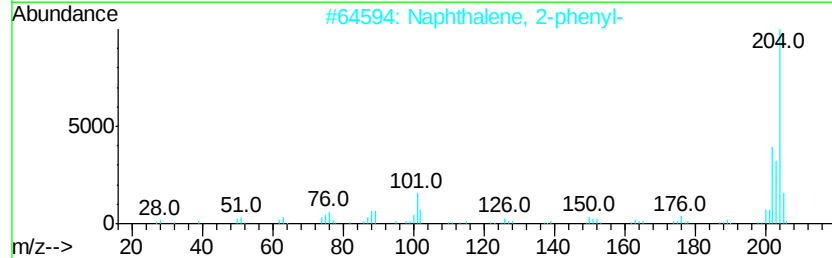
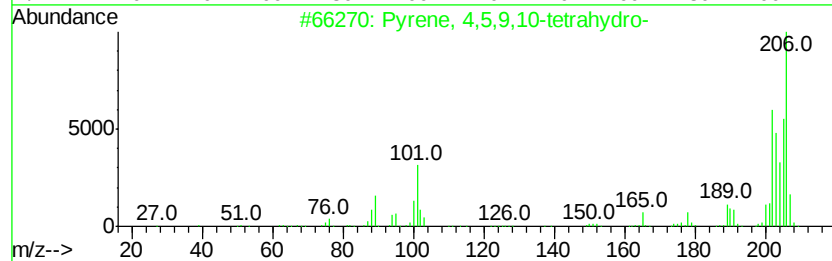
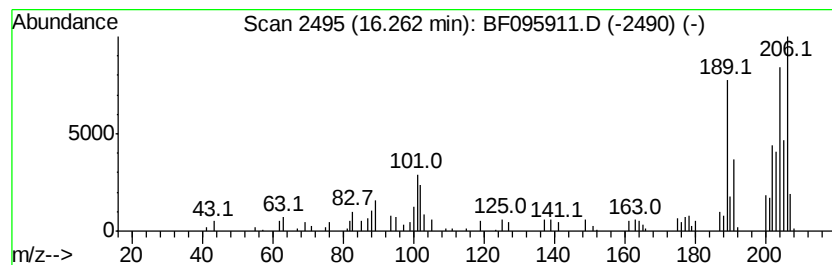
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 10 Pyrene, 4,5,9,10-tetrahydro- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.26	6.04 ng	125771	Phenanthrene-d10	14.60

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Pyrene, 4,5,9,10-tetrahydro-	206	C16H14	000781-17-9	72
2		Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	30
3		3,5-Dichloro-2,4-dimethyl-1-meth...	204	C9H10Cl2O	1000250-17-8	30
4		Isoquinoline, 1-phenyl-	205	C15H11N	003297-72-1	25
5		5H-Dibenzo[a,d]cycloheptene, 5-m...	204	C16H12	002975-79-3	25



Data Path : Z:\HPCHEM1\BNA F\DATA\BF061317\
Data File : BF095911.D
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Operator : SJ/MA
Sample : I3635-04 2X
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ALS Vial : 18 Sample Multiplier: 1

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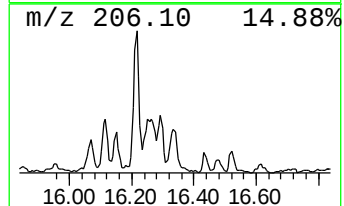
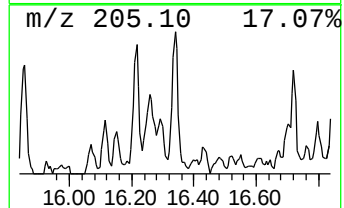
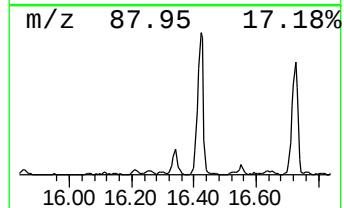
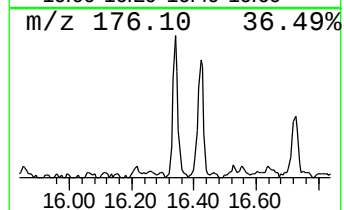
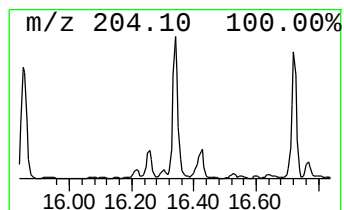
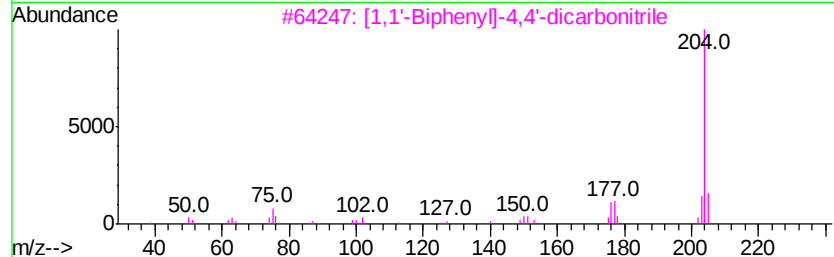
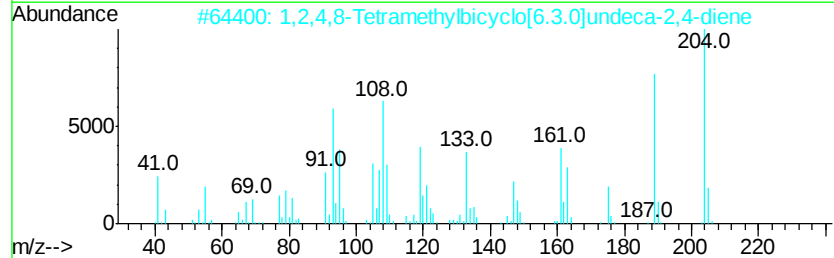
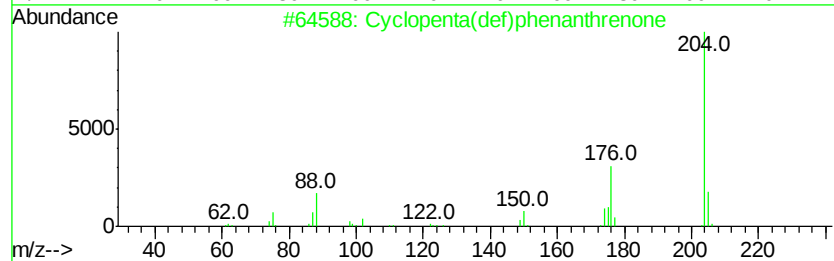
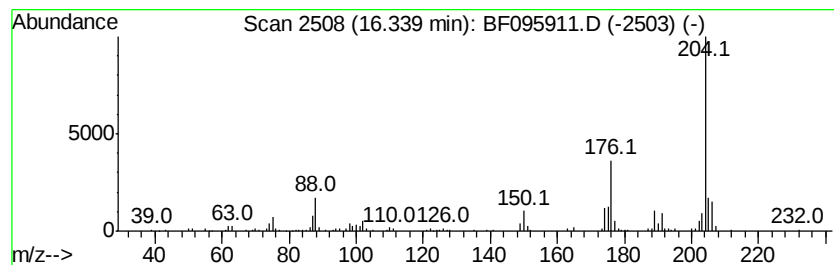
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 11 Cyclopenta(def)phenanthrenone Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.34	11.02 ng	229554	Phenanthrene-d10	14.60

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	96
2		1,2,4,8-Tetramethylbicyclo[6.3.0]undeca-2,4-diene	204	C15H24	137235-51-9	60
3		[1,1'-Biphenyl]-4,4'-dicarbonitrile	204	C14H8N2	001591-30-6	53
4		1,2,4-Triazolo[2,3-c]thieno[3,2-b]pyridine	204	C9H8N4S	113246-88-1	53
5		6-Cyanophenanthridine	204	C14H8N2	002176-28-5	50



Data Path : Z:\HPCHEM1\BNA F\DATA\BF061317\
Data File : BF095911.D
Acq On : 14 Jun 2017 00:34
Operator : SJ/MA
Sample : I3635-04 2X
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
CL-02-061217-B

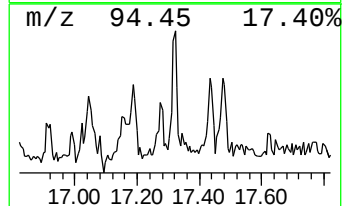
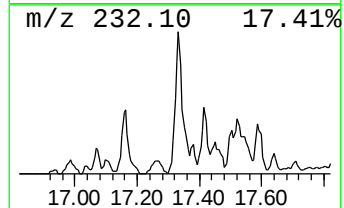
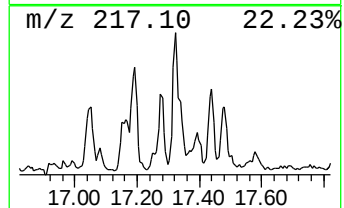
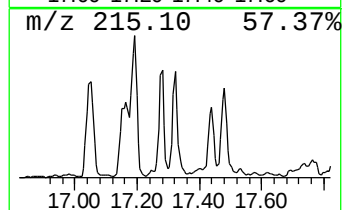
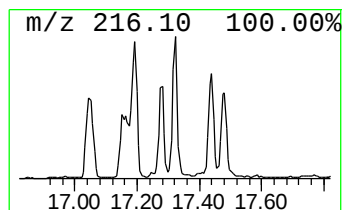
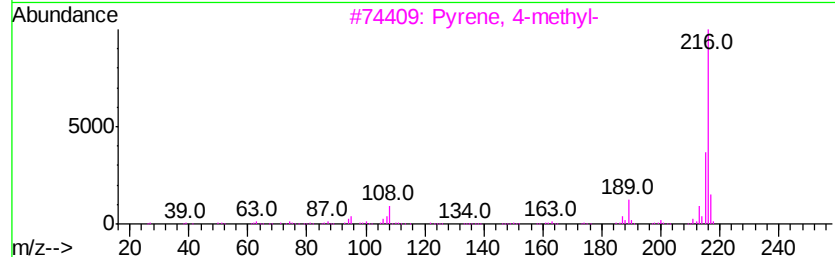
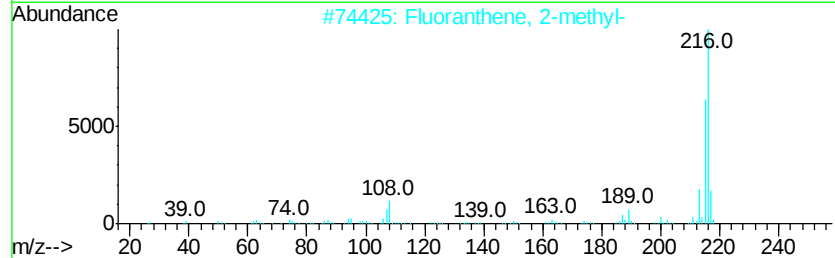
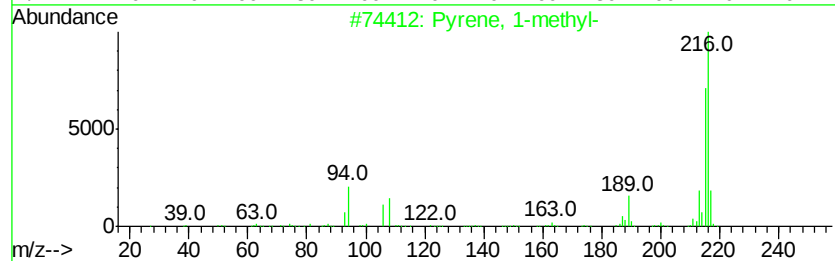
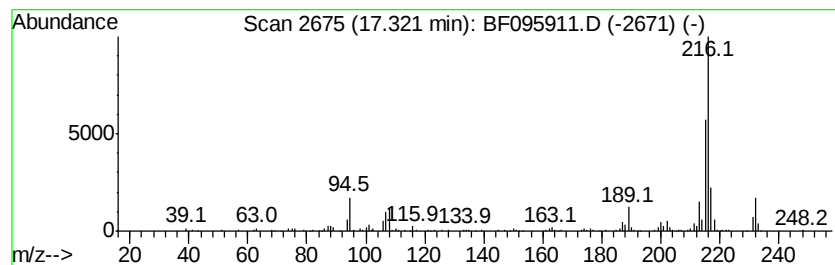
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 12 Pyrene, 1-methyl- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.32	4.32 ng	396770	Chrysene-d12	18.33

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Pyrene, 1-methyl-	216	C17H12	002381-21-7	97
2		Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	93
3		Pyrene, 4-methyl-	216	C17H12	003353-12-6	92
4		Pyrene, 2-methyl-	216	C17H12	003442-78-2	90
5		11H-Benzo[a]fluorene	216	C17H12	000238-84-6	74



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF061317\
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Sample : I3635-04 2X
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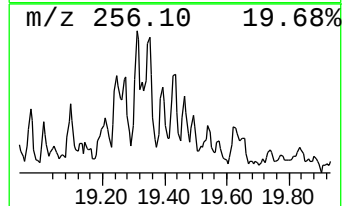
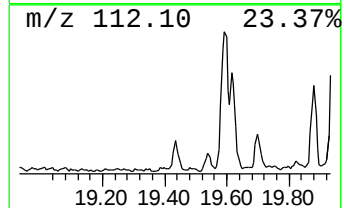
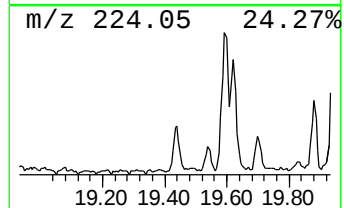
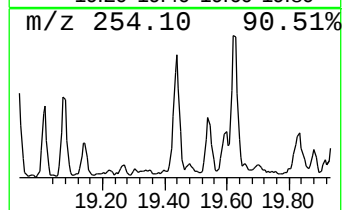
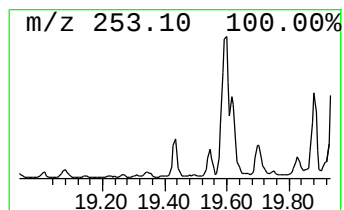
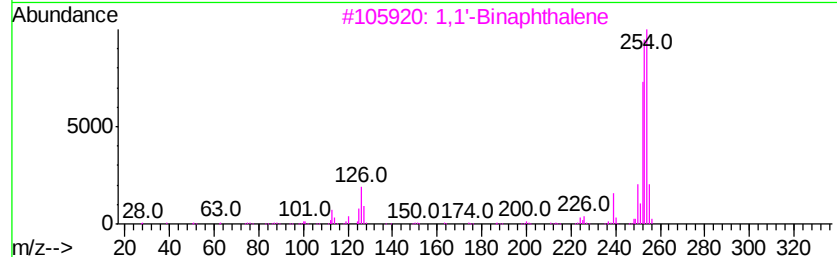
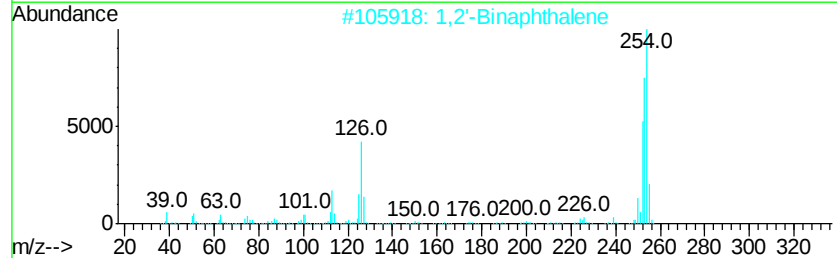
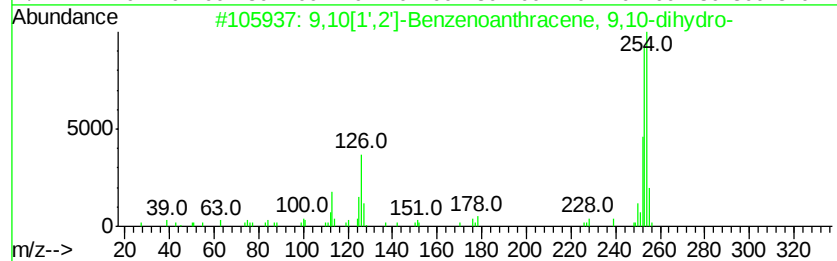
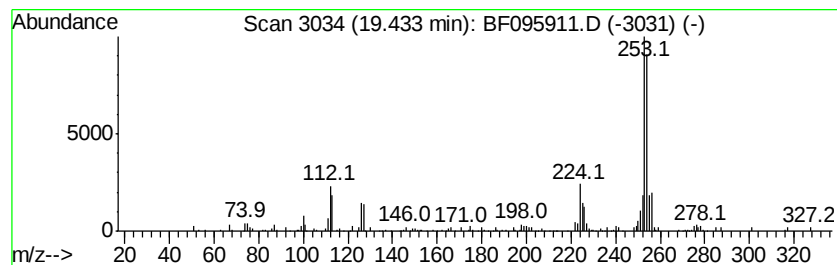
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 13 9,10[1',2']-Benzenoanthracene... Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.		
19.43	8.33 ng	113978	Perylene-d12	19.99		
Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10[1',2']-Benzenoanthracene, 9...	254	C20H14	000477-75-8	70	
2	1,2'-Binaphthalene	254	C20H14	004325-74-0	70	
3	1,1'-Binaphthalene	254	C20H14	000604-53-5	70	
4	9H-Fluorene, 9-(phenylmethylene)-	254	C20H14	001836-87-9	68	
5	1H-Indene, 1,1'-(1,2-ethanediyl)-	254	C20H14	072088-04-1	58	



Data Path : Z:\HPCHEM1\BNA F\DATA\BF061317\
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Acq On : 14 Jun 2017 00:34
Operator : SJ/MA
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Misc :
ALS Vial : 18 Sample Multiplier: 1

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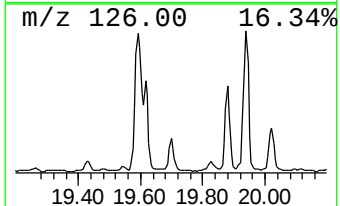
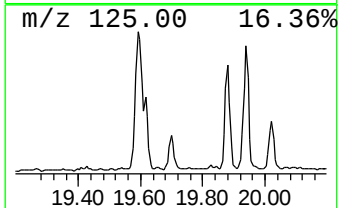
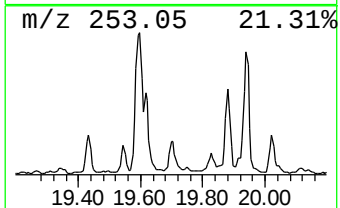
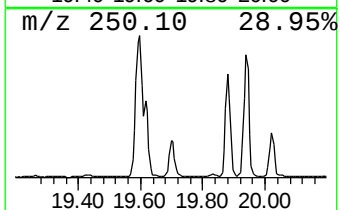
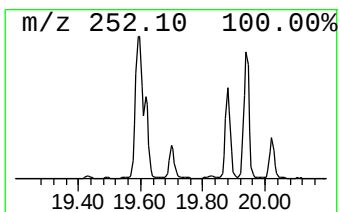
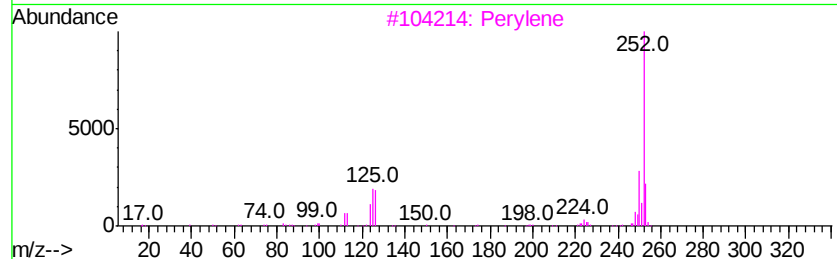
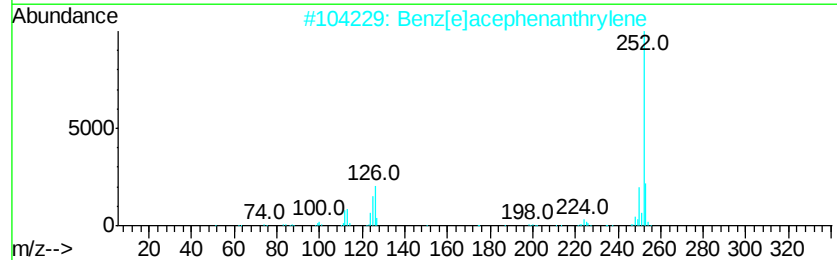
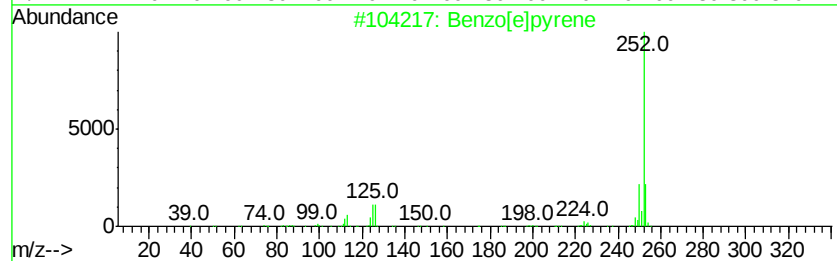
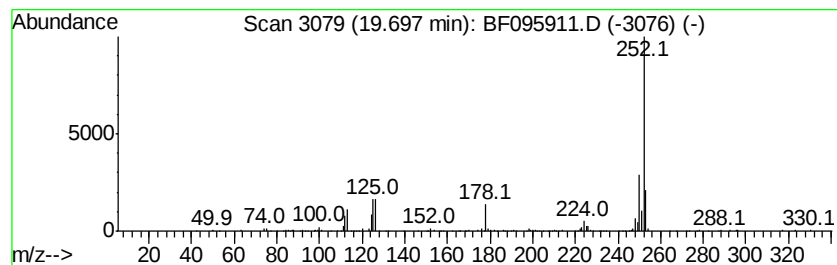
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 14 Benzo[e]pyrene Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.70	15.49 ng	211972	Perylene-d12	19.99

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzo[e]pyrene	252	C20H12	000192-97-2	97
2		Benz[e]acephenanthrylene	252	C20H12	000205-99-2	94
3		Perylene	252	C20H12	000198-55-0	94
4		Benzo[k]fluoranthene	252	C20H12	000207-08-9	93
5		Benzo[a]pyrene	252	C20H12	000050-32-8	92



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF061317\
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Acq On : 14 Jun 2017 00:34
Operator : SJ/MA
Sample : I3635-04 2X
Misc :
ALS Vial : 18 Sample Multiplier: 1

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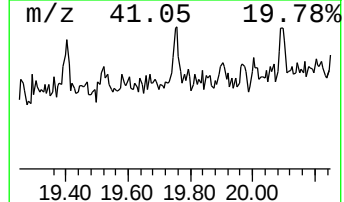
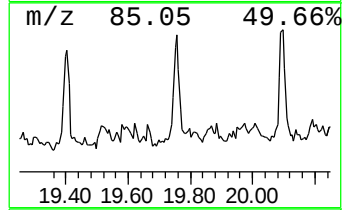
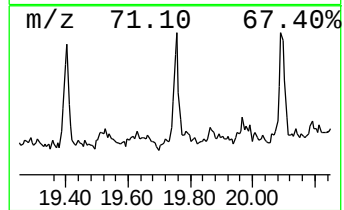
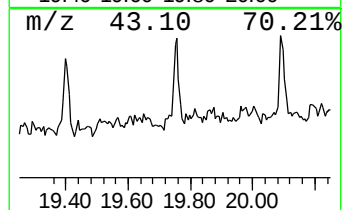
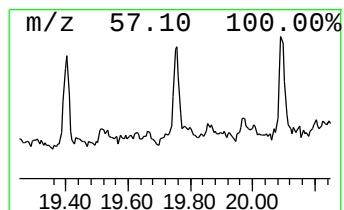
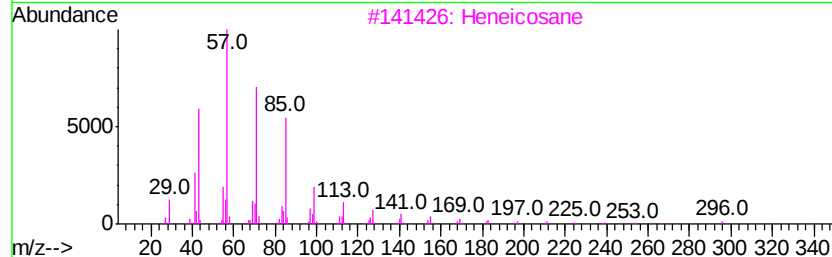
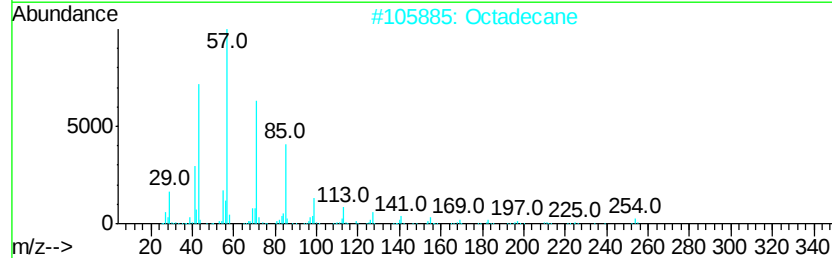
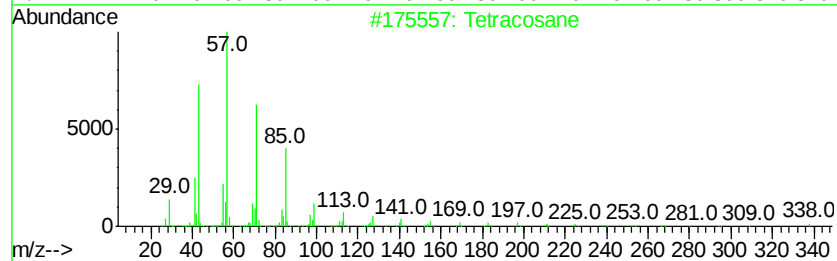
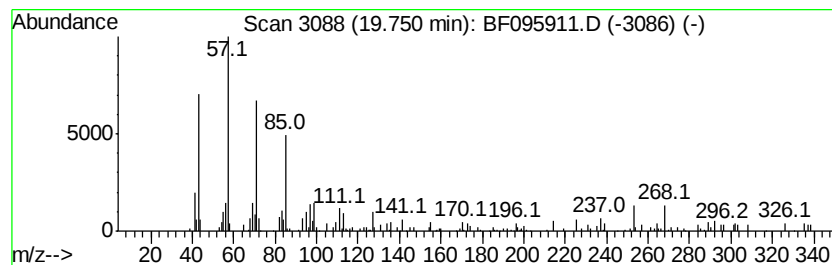
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 15 Tetracosane Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.75	4.53 ng	61952	Perylene-d12	19.99

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Tetracosane	338	C24H50	000646-31-1	91
2			Octadecane	254	C18H38	000593-45-3	78
3			Heneicosane	296	C21H44	000629-94-7	78
4			Nonadecane	268	C19H40	000629-92-5	70
5			Octacosane	394	C28H58	000630-02-4	60



Data Path : Z:\HPCHEM1\BNA F\DATA\BF061317\
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Acq On : 14 Jun 2017 00:34
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Sample : I3635-04 2X
Misc :
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ClientSampleId :
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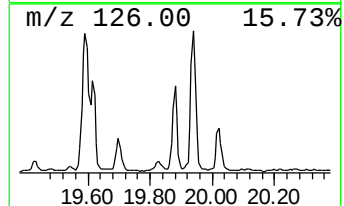
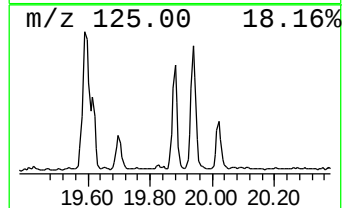
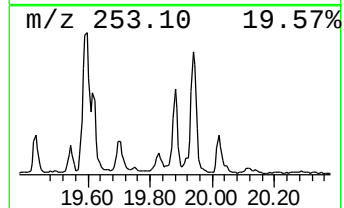
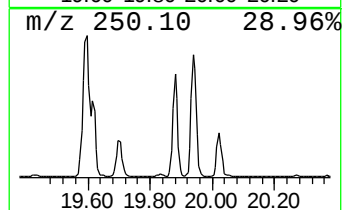
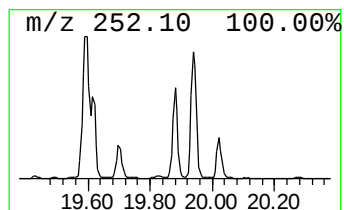
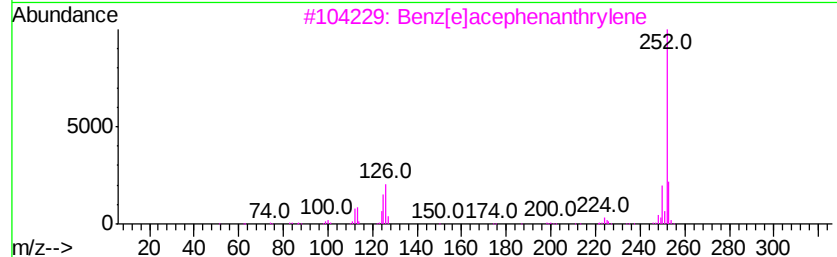
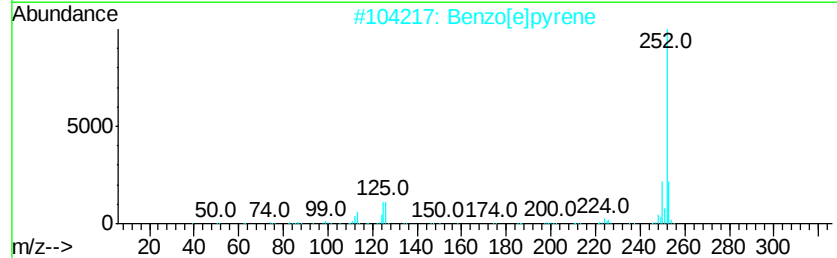
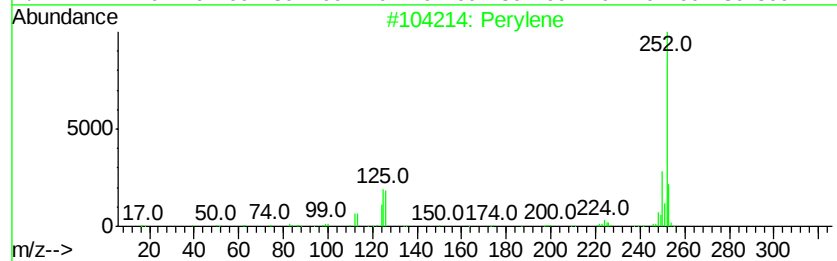
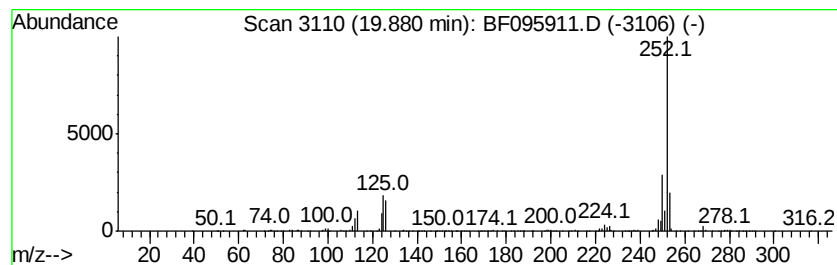
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 16 Perylene Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.88	44.19 ng	604620	Perylene-d12	19.99

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Perylene	252	C20H12	000198-55-0	99
2		Benzo[e]pyrene	252	C20H12	000192-97-2	96
3		Benzo[e]acephenanthrylene	252	C20H12	000205-99-2	95
4		Benzo[a]pyrene	252	C20H12	000050-32-8	93
5		Benzo[k]fluoranthene	252	C20H12	000207-08-9	64



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF061317\
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Acq On : 14 Jun 2017 00:34
Operator : SJ/MA
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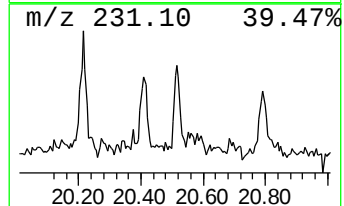
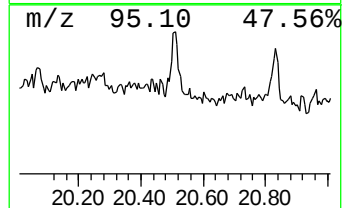
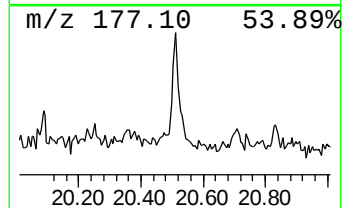
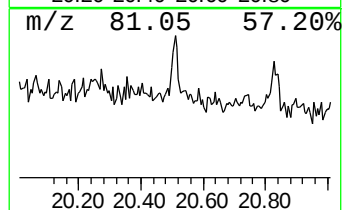
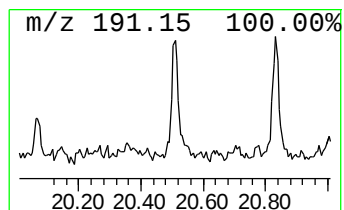
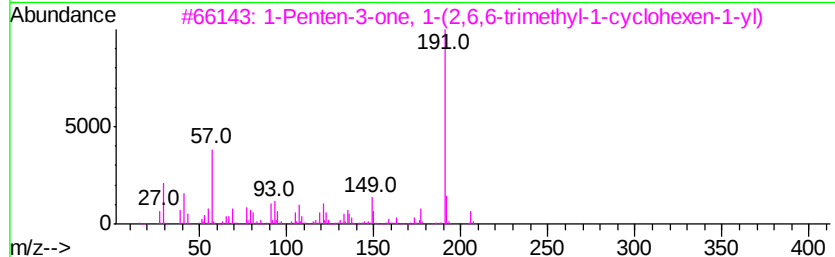
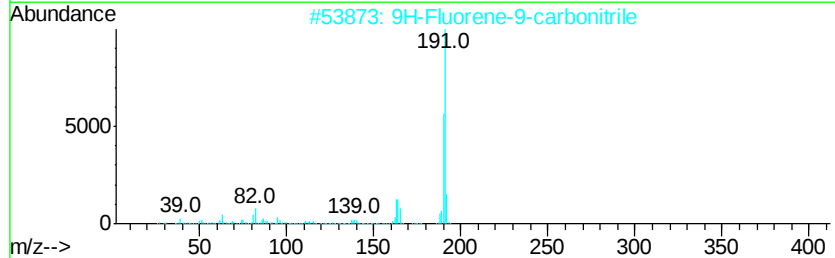
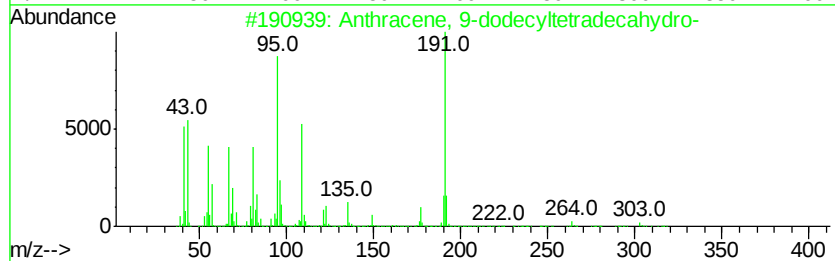
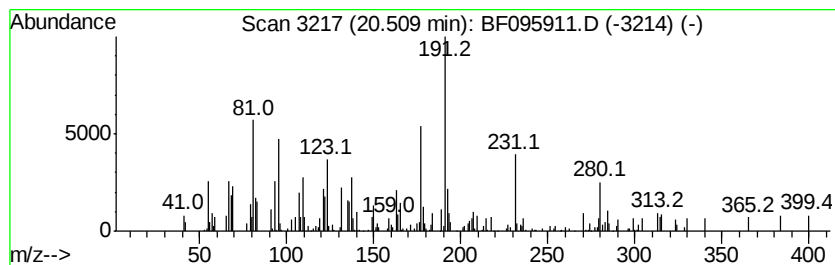
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 17 unknown20.51 Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.51	8.49 ng	116105	Perylene-d12	19.99

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Anthracene, 9-dodecyltetradecahy...	360	C26H48	055401-75-7	27
2			9H-Fluorene-9-carbonitrile	191	C14H9N	001529-40-4	22
3			1-Penten-3-one, 1-(2,6,6-trimeth...	206	C14H22O	000127-43-5	22
4			2-Fluoro-3-trifluoromethylbenzoi...	236	C10H8F4O2	1000338-71-6	14
5			2-Fluoro-5-trifluoromethylbenzoi...	390	C21H30F4O2	1000338-62-3	14



Data Path : Z:\HPCHEM1\BNA F\DATA\BF061317\
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ALS Vial : 18 Sample Multiplier: 1

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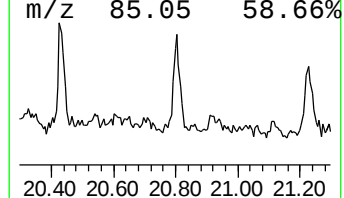
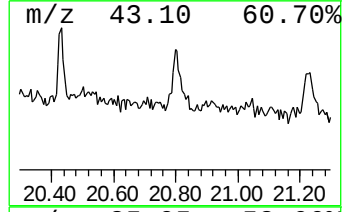
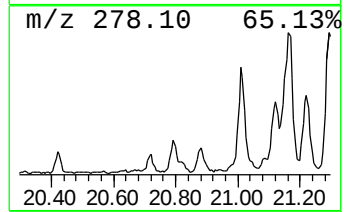
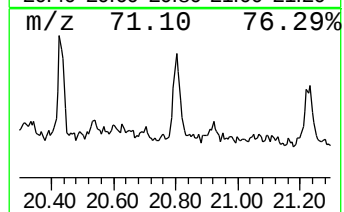
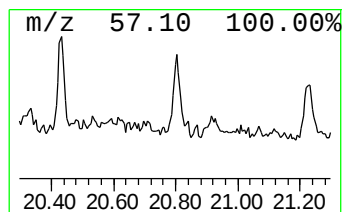
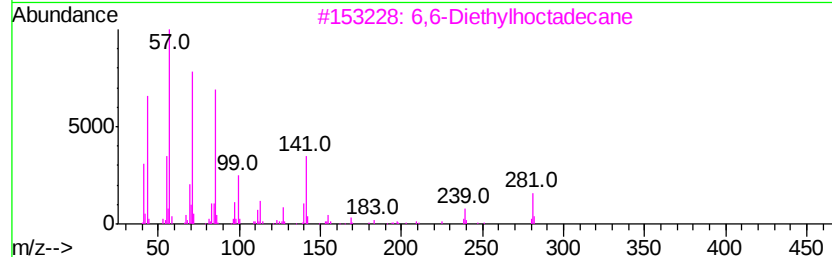
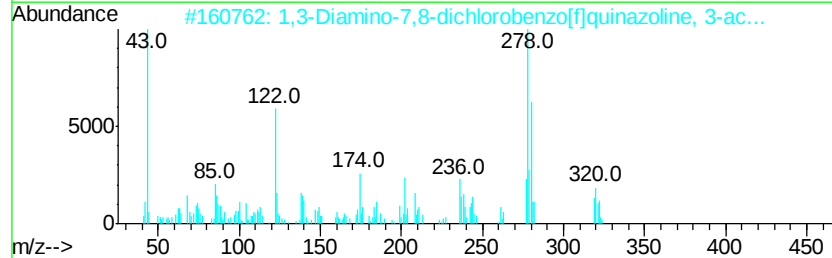
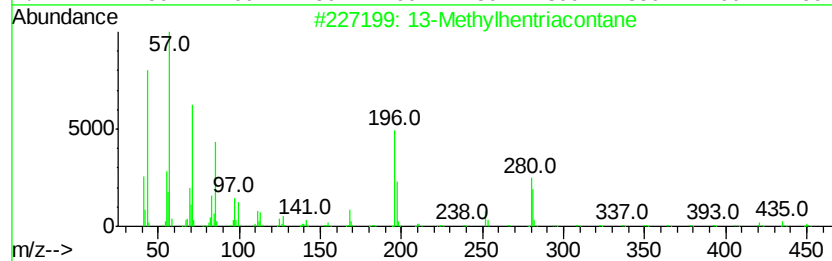
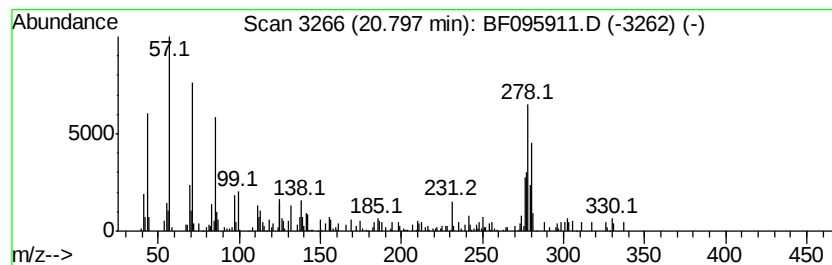
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 18 unknown20.80 Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.80	8.90 ng	121713	Perylene-d12	19.99

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	13-Methylhentriacontane	451	C32H66	1000131-19-4	32
2		1,3-Diamino-7,8-dichlorobenzo[f]...	320	C14H10Cl2N4O	1000256-92-7	25
3		6,6-Diethylhoctadecane	310	C22H46	1000360-41-8	25
4		1,3-Diamino-7,8-dichlorobenzo[f]...	278	C12H8Cl2N4	037521-57-6	25
5		Benzo[b]triphenylene	278	C22H14	000215-58-7	15



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF061317\
Data File : BF095911.D
Acq On : 14 Jun 2017 00:34
Operator : SJ/MA
Sample : I3635-04 2X
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
CL-02-061217-B

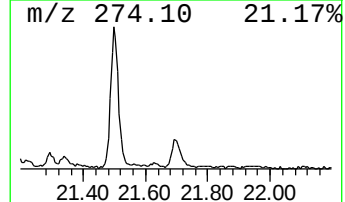
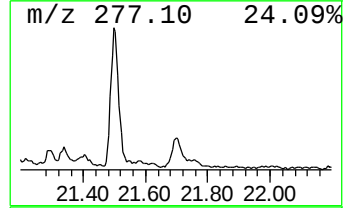
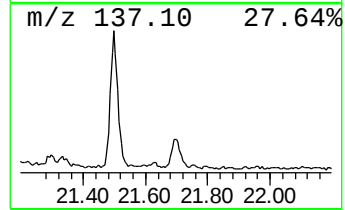
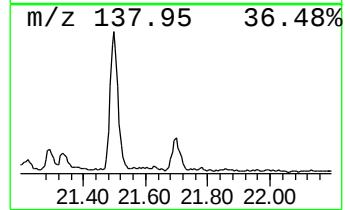
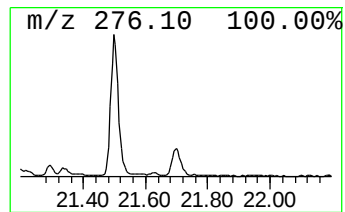
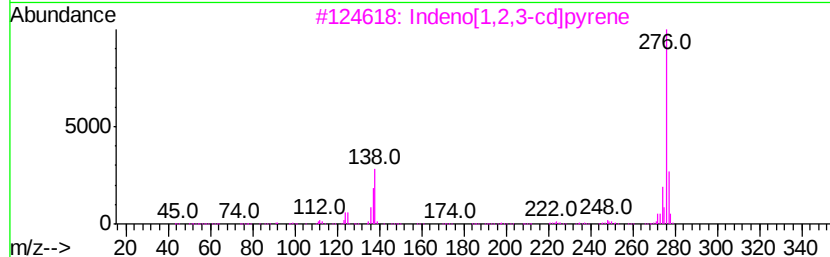
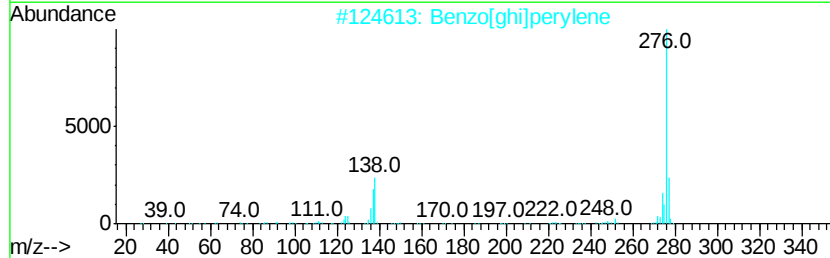
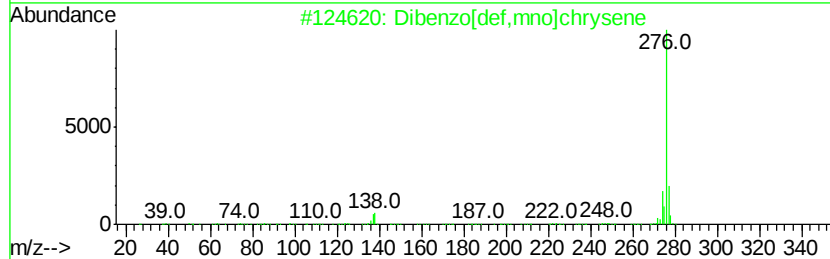
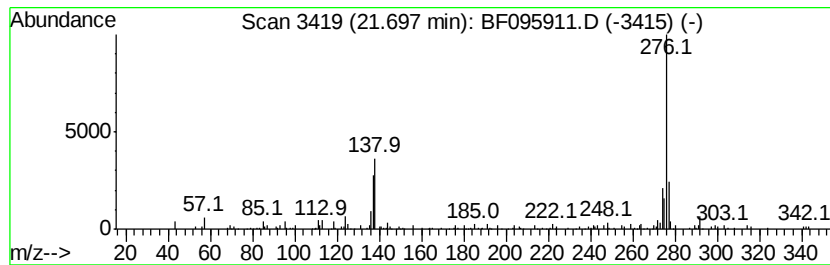
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF060517.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 20 Dibenzo[def,mno]chrysene Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.70	15.88 ng	217317	Perylene-d12	19.99

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Dibenzo[def,mno]chrysene	276	C22H12	000191-26-4	96
2		Benzo[ghi]perylene	276	C22H12	000191-24-2	91
3		Indeno[1,2,3-cd]pyrene	276	C22H12	000193-39-5	90
4		Indeno[1,2,3-cd]fluoranthene	276	C22H12	000193-43-1	68
5		6H-Pyrido[4,3-b]carbazole, 9-met...	276	C18H16N2O	010371-86-5	49



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF061317\
 Data File : BF095911.D
 Acq On : 14 Jun 2017 00:34
 Operator : SJ/MA
 Sample : I3635-04 2X
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 CL-02-061217-B

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF060517.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
unknown7.01	7.01	47.2	ng	957849	1	7.35	405707	20.0
Phenanthrene, 2-m...	15.40	9.1	ng	188559	4	14.60	416596	20.0
Anthracene, 2-met...	15.44	11.1	ng	230567	4	14.60	416596	20.0
Anthracene, 9-met...	15.52	5.3	ng	110212	4	14.60	416596	20.0
4H-Cyclopenta[def...	15.55	17.0	ng	354851	4	14.60	416596	20.0
Phenanthrene, 1-m...	15.60	11.8	ng	245797	4	14.60	416596	20.0
Naphthalene, 2-ph...	15.85	7.0	ng	144885	4	14.60	416596	20.0
9,10-Dimethylanthe...	16.22	8.4	ng	175335	4	14.60	416596	20.0
Pyrene, 4,5,9,10-...	16.26	6.0	ng	125771	4	14.60	416596	20.0
Cyclopenta(def)ph...	16.34	11.0	ng	229554	4	14.60	416596	20.0
Pyrene, 1-methyl-	17.32	4.3	ng	396770	5	18.33	1835770	20.0
9,10[1',2']-Benze...	19.43	8.3	ng	113978	6	19.99	273649	20.0
Benzo[e]pyrene	19.70	15.5	ng	211972	6	19.99	273649	20.0
Tetracosane	19.75	4.5	ng	61952	6	19.99	273649	20.0
Perylene	19.88	44.2	ng	604620	6	19.99	273649	20.0
unknown20.51	20.51	8.5	ng	116105	6	19.99	273649	20.0
unknown20.80	20.80	8.9	ng	121713	6	19.99	273649	20.0
Dibenzo[def,mno]c...	21.70	15.9	ng	217317	6	19.99	273649	20.0