

Data Path : Z:\HPCHEM1\BNA F\DATA\BF112117\
 Data File : BF100794.D
 Acq On : 21 Nov 2017 21:27
 Operator : SJ/JU
 Sample : I6499-06 5X
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PG1-4-E(0-1)

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-BF110817.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	5.481	573	577	587	rBV	497682	416110	29.41%	2.098%
2	6.492	745	749	761	rBB	490291	455295	32.18%	2.296%
3	6.634	770	773	777	rBV	510021	456129	32.24%	2.300%
4	6.869	810	813	817	rBV	503268	443402	31.34%	2.236%
5	7.028	836	840	843	rBV	395354	337717	23.87%	1.703%
6	7.428	904	908	918	rBB	345781	269530	19.05%	1.359%
7	8.151	1027	1031	1035	rBV	699727	570265	40.31%	2.875%
8	9.228	1210	1214	1217	rBV	652558	556446	39.33%	2.806%
9	9.616	1278	1280	1288	rVB	38633	38028	2.69%	0.192%
10	9.769	1303	1306	1309	rBV	96134	72642	5.13%	0.366%
11	9.910	1326	1330	1333	rBV	676224	585308	41.37%	2.951%
12	10.692	1460	1463	1467	rVB	292989	247836	17.52%	1.250%
13	11.251	1553	1558	1560	rVV2	30029	40014	2.83%	0.202%
14	11.392	1579	1582	1584	rBV	556100	497603	35.17%	2.509%
15	11.416	1584	1586	1590	rVV	526412	470121	33.23%	2.370%
16	11.469	1592	1595	1598	rVV	117730	93914	6.64%	0.474%
17	11.686	1628	1632	1634	rVV2	28571	35097	2.48%	0.177%
18	11.892	1664	1667	1670	rBV	98774	93154	6.58%	0.470%
19	11.922	1670	1672	1676	rVB	155000	121200	8.57%	0.611%
20	11.969	1676	1680	1683	rBV	50843	45217	3.20%	0.228%
21	12.010	1683	1687	1689	rVV2	152582	175053	12.37%	0.883%
22	12.027	1689	1690	1695	rVB	77097	53353	3.77%	0.269%
23	12.192	1715	1718	1720	rBV	79038	72480	5.12%	0.365%
24	12.216	1720	1722	1725	rVB2	61268	48228	3.41%	0.243%
25	12.445	1755	1761	1764	rBV	78012	90711	6.41%	0.457%
26	12.480	1764	1767	1769	rVV3	42931	56336	3.98%	0.284%
27	12.533	1773	1776	1781	rVB	99555	99464	7.03%	0.501%
28	12.610	1785	1789	1792	rBV	1361647	1173959	82.98%	5.919%
29	12.669	1797	1799	1802	rVB2	31611	26285	1.86%	0.133%
30	12.704	1802	1805	1807	rVB	39716	33008	2.33%	0.166%
31	12.733	1807	1810	1812	rBV3	25430	32444	2.29%	0.164%
32	12.757	1812	1814	1818	rVV	44417	45217	3.20%	0.228%
33	12.839	1821	1828	1833	rBV	1176801	1315039	92.95%	6.630%
34	12.886	1833	1836	1840	rVB2	62938	71634	5.06%	0.361%

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35	12.951	1840	1847	1848	rBV3	73275	72569	5.13%	0.366%
36	12.974	1848	1851	1853	rVV	467687	387212	27.37%	1.952%
37	12.992	1853	1854	1858	rVB	67231	47903	3.39%	0.242%
38	13.051	1858	1864	1868	rBV2	94718	154738	10.94%	0.780%
39	13.139	1875	1879	1880	rBV3	71125	74429	5.26%	0.375%
40	13.163	1880	1883	1886	rVB2	170834	163819	11.58%	0.826%
41	13.192	1886	1888	1892	rBV2	21963	30657	2.17%	0.155%
42	13.227	1892	1894	1897	rVV	86079	70022	4.95%	0.353%
43	13.269	1897	1901	1904	rVV2	132575	149086	10.54%	0.752%
44	13.321	1908	1910	1913	rBV2	30284	29120	2.06%	0.147%
45	13.357	1913	1916	1919	rVB	59929	51781	3.66%	0.261%
46	13.392	1919	1922	1925	rBV3	68092	69094	4.88%	0.348%
47	13.474	1931	1936	1939	rVB3	17510	27259	1.93%	0.137%
48	13.539	1944	1947	1949	rBV3	31359	38898	2.75%	0.196%
49	13.668	1966	1969	1973	rVV	148548	143478	10.14%	0.723%
50	13.733	1973	1980	1982	rVV6	18853	30112	2.13%	0.152%
51	13.780	1983	1988	1991	rVV2	130486	176814	12.50%	0.891%
52	13.810	1991	1993	1995	rVV	131836	113828	8.05%	0.574%
53	13.833	1995	1997	2001	rVV2	110659	165969	11.73%	0.837%
54	13.874	2001	2004	2012	rVB2	148791	192531	13.61%	0.971%
55	13.951	2012	2017	2023	rBV	38885	72499	5.12%	0.366%
56	14.027	2023	2030	2034	rBV2	906834	1414808	100.00%	7.133%
57	14.063	2034	2036	2042	rVV	720196	615793	43.52%	3.105%
58	14.139	2047	2049	2053	rVV	101682	99673	7.04%	0.503%
59	14.180	2053	2056	2060	rVV3	50807	81250	5.74%	0.410%
60	14.221	2060	2063	2065	rVV2	42838	49238	3.48%	0.248%
61	14.251	2065	2068	2072	rVV2	55711	84594	5.98%	0.427%
62	14.286	2072	2074	2077	rVB	39922	36157	2.56%	0.182%
63	14.357	2082	2086	2088	rVV3	24080	39207	2.77%	0.198%
64	14.380	2088	2090	2092	rVV	49258	45436	3.21%	0.229%
65	14.415	2092	2096	2099	rVV	153058	195347	13.81%	0.985%
66	14.451	2099	2102	2106	rVV2	99625	120476	8.52%	0.607%
67	14.515	2106	2113	2115	rVV3	67339	138988	9.82%	0.701%
68	14.545	2115	2118	2120	rVV	94186	101828	7.20%	0.513%
69	14.563	2120	2121	2124	rVV	78132	68002	4.81%	0.343%
70	14.615	2125	2130	2136	rVB4	57461	93493	6.61%	0.471%
71	14.727	2145	2149	2151	rBV4	44173	54018	3.82%	0.272%

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72	14.757	2151	2154	2159	rVB4	36508	49242	3.48%	0.248%
73	14.810	2159	2163	2166	rBV4	34849	48408	3.42%	0.244%
74	14.839	2166	2168	2172	rVB2	29800	32480	2.30%	0.164%
75	14.915	2175	2181	2188	rVB3	72122	143428	10.14%	0.723%
76	14.986	2188	2193	2196	rBV4	39756	62390	4.41%	0.315%
77	15.080	2203	2209	2212	rBV	659716	1038454	73.40%	5.236%
78	15.133	2216	2218	2224	rVV2	33828	66188	4.68%	0.334%
79	15.186	2224	2227	2231	rVB	136401	141479	10.00%	0.713%
80	15.274	2238	2242	2244	rBV2	51248	71982	5.09%	0.363%
81	15.339	2249	2253	2255	rVV2	54815	83206	5.88%	0.420%
82	15.386	2255	2261	2267	rVV	391906	560463	39.61%	2.826%
83	15.451	2267	2272	2277	rVV	552177	709687	50.16%	3.578%
84	15.510	2277	2282	2285	rVV	408443	540214	38.18%	2.724%
85	15.539	2285	2287	2294	rVV2	174849	247521	17.50%	1.248%
86	15.868	2340	2343	2349	rVB7	27673	49196	3.48%	0.248%
87	15.951	2353	2357	2361	rVB4	28119	44541	3.15%	0.225%
88	15.992	2361	2364	2368	rBV2	20259	36012	2.55%	0.182%
89	16.074	2374	2378	2382	rVB2	31619	44759	3.16%	0.226%
90	16.433	2437	2439	2448	rVB8	17016	26173	1.85%	0.132%
91	16.545	2453	2458	2462	rBV2	22989	39844	2.82%	0.201%
92	16.651	2472	2476	2480	rVB6	20824	29227	2.07%	0.147%
93	16.804	2493	2502	2503	rBV4	34879	71319	5.04%	0.360%
94	16.821	2503	2505	2513	rVB5	30470	54717	3.87%	0.276%
95	16.992	2527	2534	2542	rVB2	205133	401985	28.41%	2.027%
96	17.068	2543	2547	2556	rVB2	22545	46696	3.30%	0.235%
97	17.162	2558	2563	2568	rBV2	40218	73936	5.23%	0.373%
98	17.221	2568	2573	2580	rBV3	34922	78094	5.52%	0.394%
99	17.439	2600	2610	2620	rBV	143338	317738	22.46%	1.602%
100	17.674	2644	2650	2657	rBV2	38257	86161	6.09%	0.434%

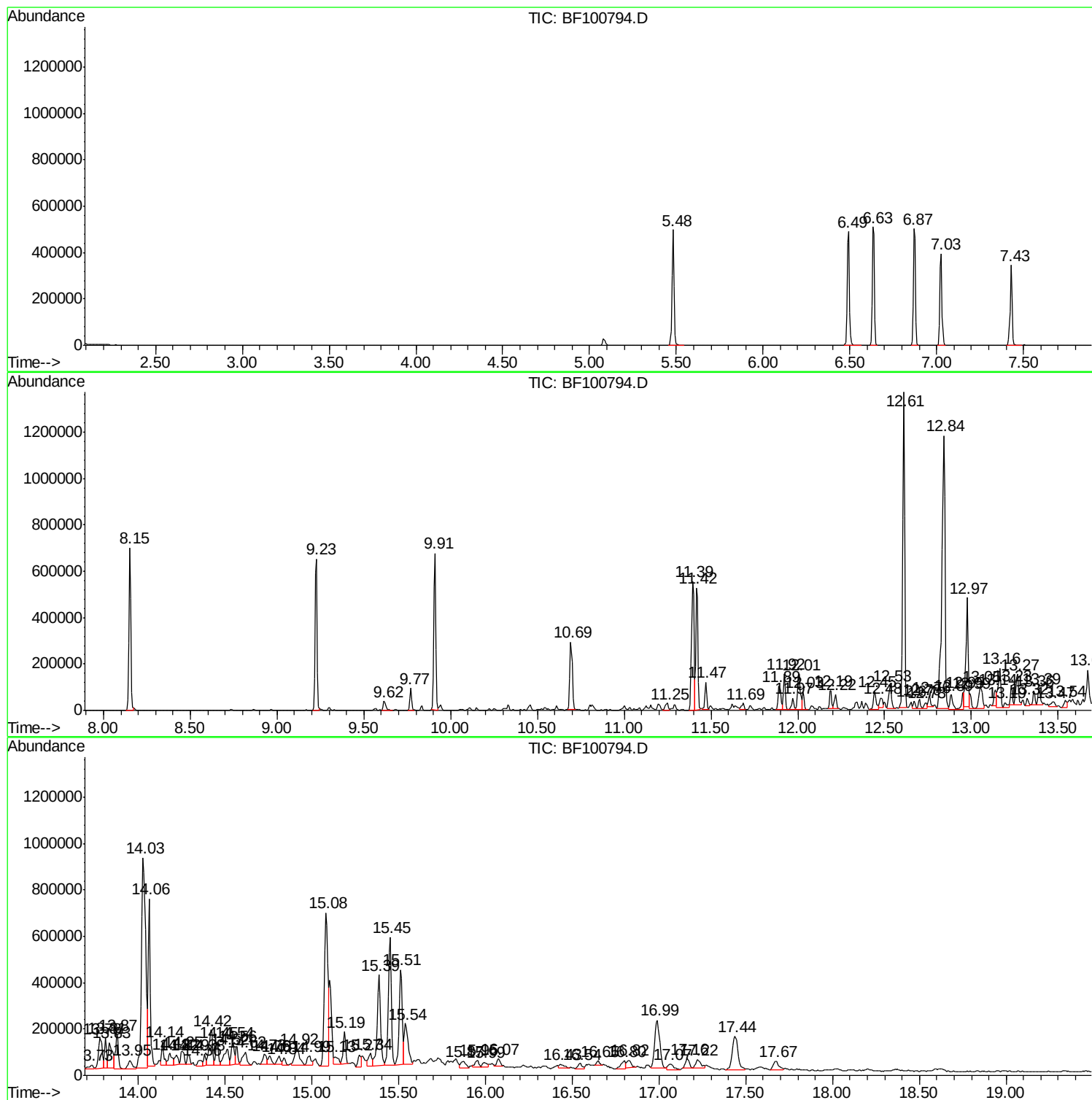
Sum of corrected areas: 19833905

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Instrument :
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PG1-4-E(0-1)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF110817.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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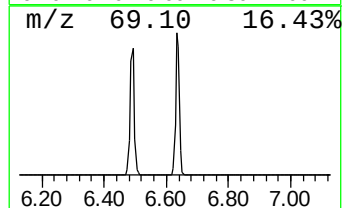
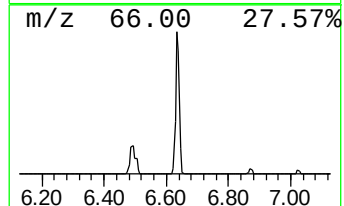
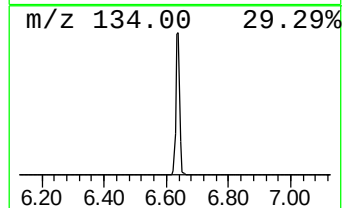
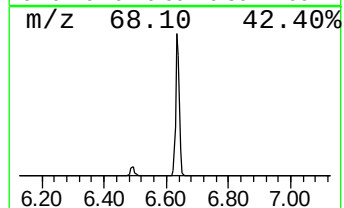
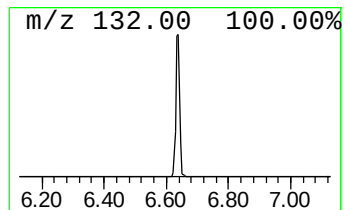
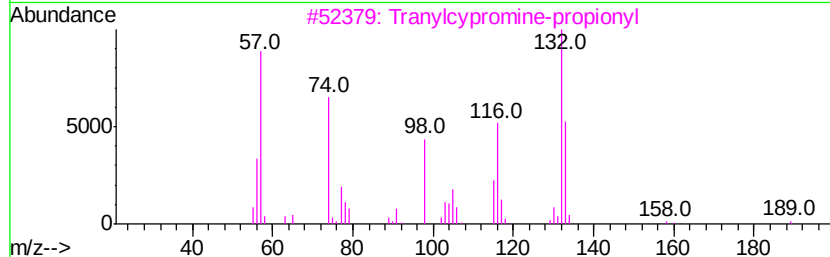
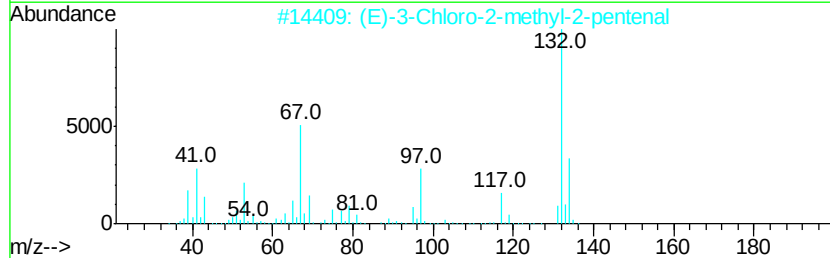
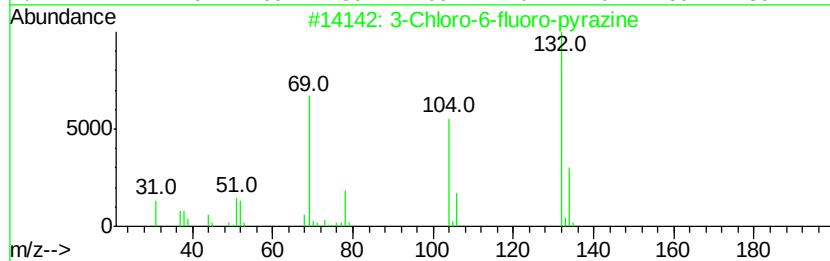
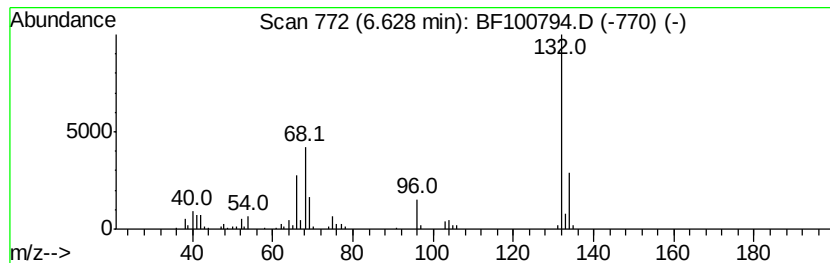
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF110817.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 1 unknown6.63 Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.63	20.57 ng	456129	1,4-Dichlorobenzene-d4	6.87

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	27
2		(E)-3-Chloro-2-methyl-2-pentenal	132	C6H9ClO	031357-76-3	17
3		Tranvlcyproline-propionyl	189	C12H15NO	1000123-86-3	10
4		5-Fluoro-2-chloropyrimidine	132	C4H2ClFN2	062802-42-0	9
5		1-Methylpyrrolo[1,2-a]pyrazine	132	C8H8N2	064608-59-9	9



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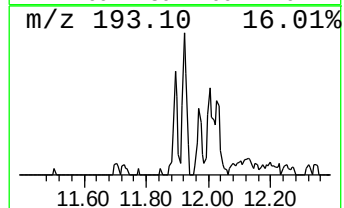
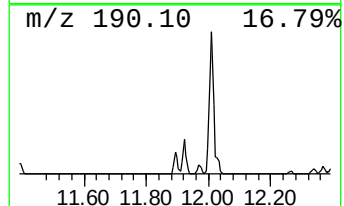
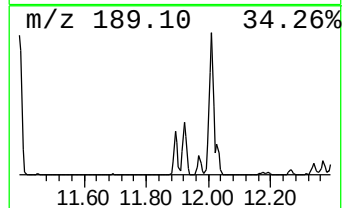
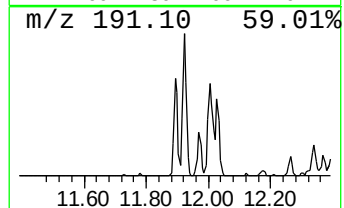
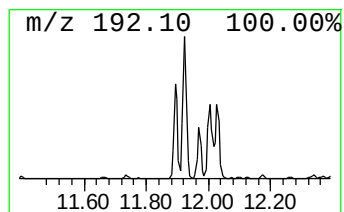
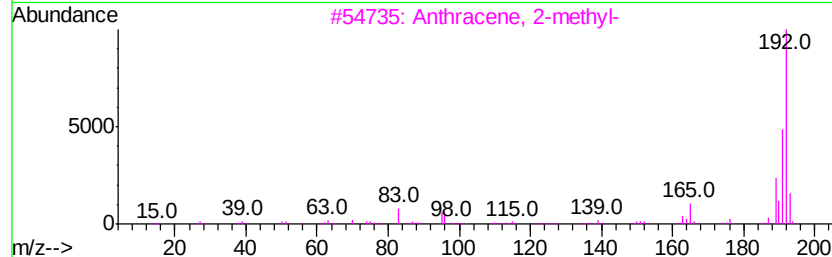
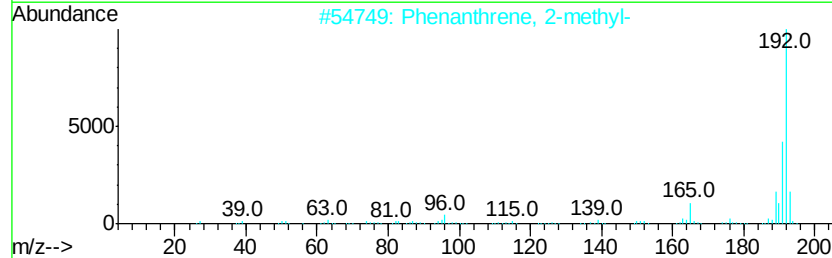
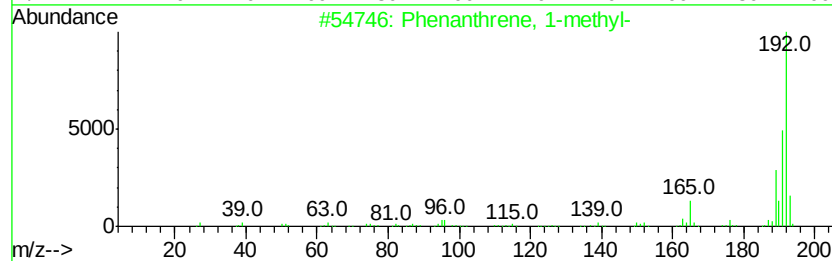
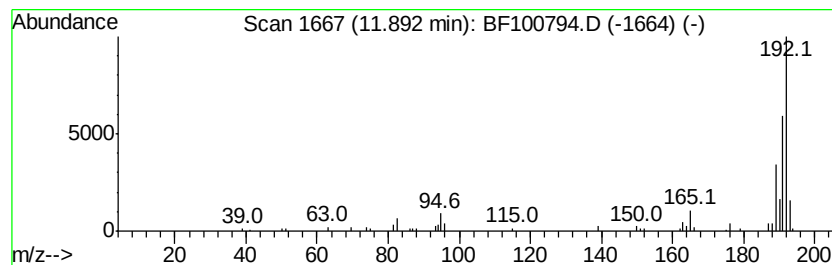
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 3 Phenanthrene, 1-methyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.89	3.74 ng	93154	Phenanthrene-d10	11.39

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	96
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	93
4	Anthracene, 1-methyl-	192	C15H12	000610-48-0	89
5	Anthracene, 9-methyl-	192	C15H12	000779-02-2	87



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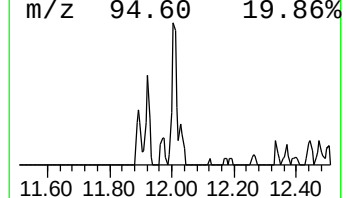
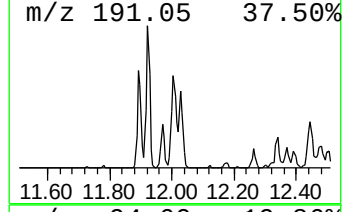
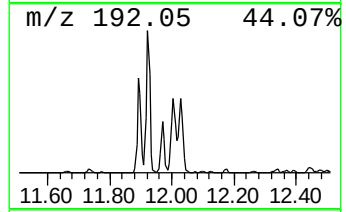
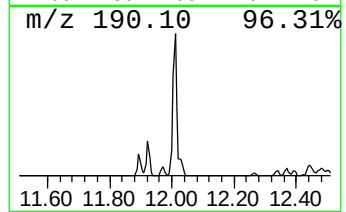
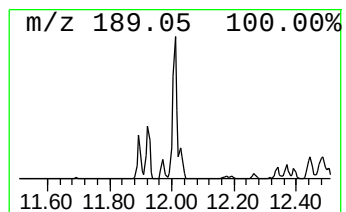
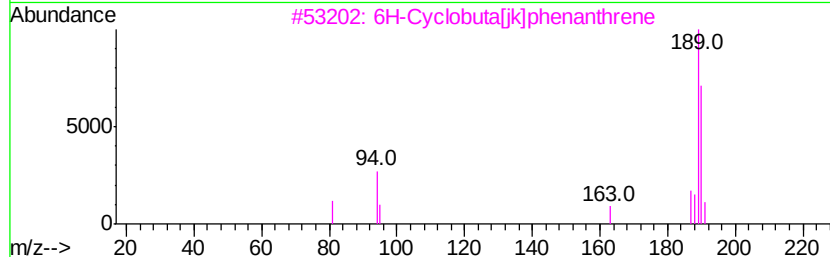
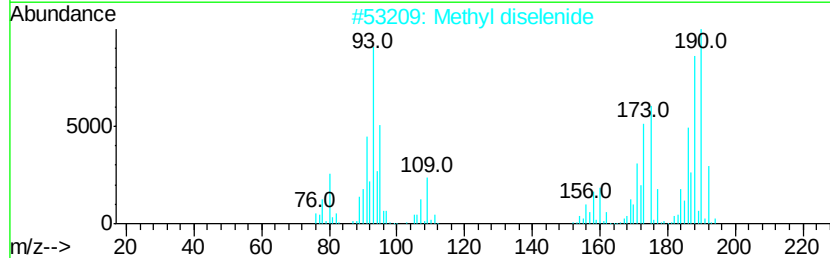
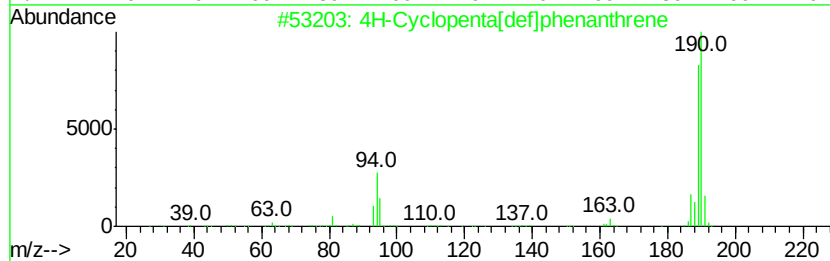
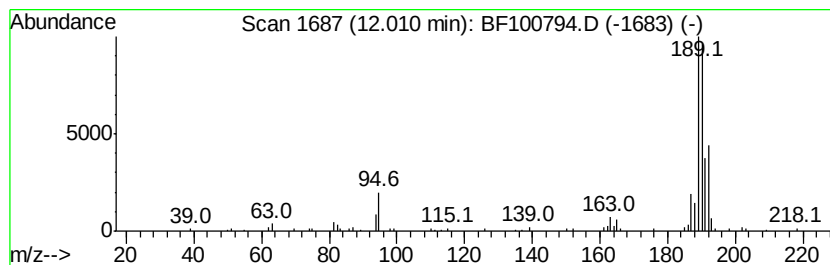
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 5 4H-Cyclopenta[def]phenanthrene Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.01	7.04 ng	175053	Phenanthrene-d10	11.39

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	93
2		Methyl diselenide	190	C2H6Se2	007101-31-7	45
3		6H-Cyclobuta[flk]phenanthrene	190	C15H10	083469-43-6	45
4		2,2'-Bis(4,5-dimethylimidazole)	190	C10H14N4	069286-06-2	42
5		Carbonic acid, ethyl 2-formyl-4,...	262	C10H8Cl2O4	1000331-34-4	40



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF112117\
Data File : BF100794.D
Acq On : 21 Nov 2017 21:27
Operator : SJ/JU
Sample : I6499-06 5X
Misc :
ALS Vial : 24 Sample Multiplier: 1

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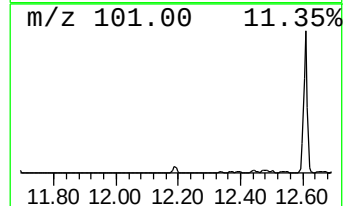
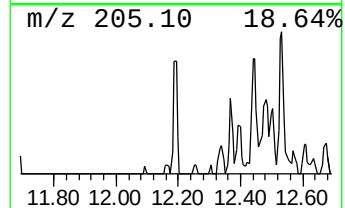
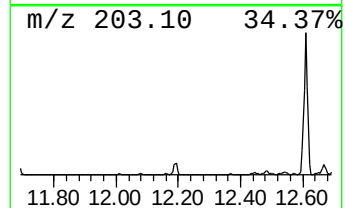
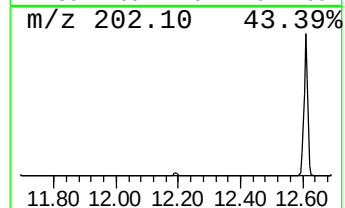
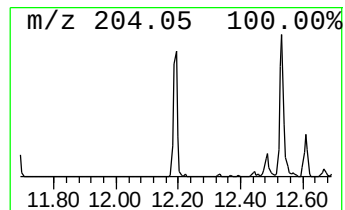
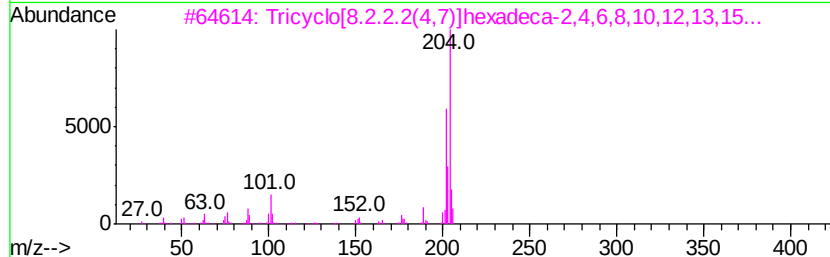
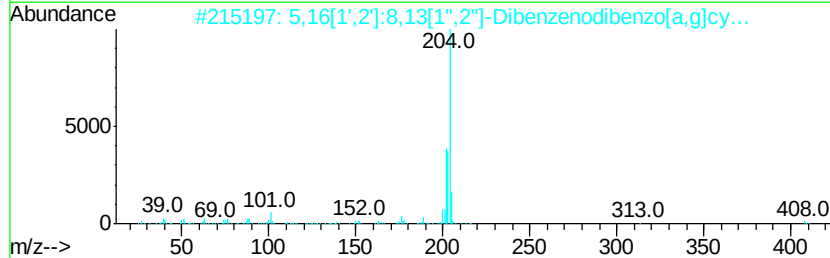
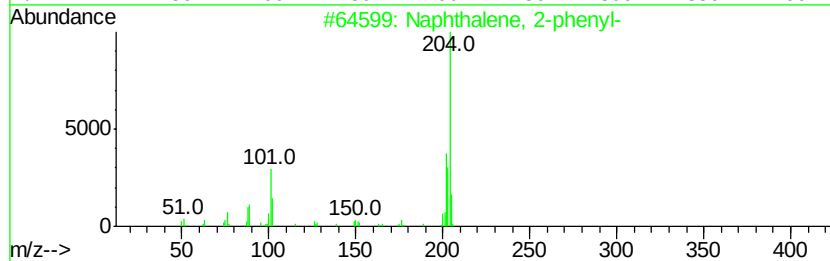
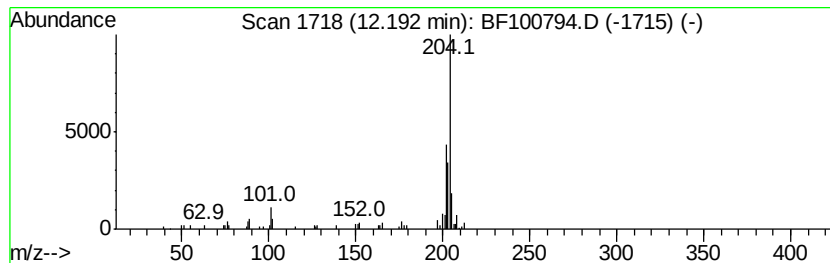
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 6 Naphthalene, 2-phenyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.19	2.91 ng	72480	Phenanthrene-d10	11.39

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	93
2		5,16[1',2'] : 8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	86
3		Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	58
4		9,10-Bis(bromomethyl)anthracene	362	C16H12Br2	034373-96-1	47
5		1,4-Ethenoanthracene, 1,4-dihydro-	204	C16H12	027765-96-4	47



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF112117\
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Operator : SJ/JU
Sample : I6499-06 5X
Misc :
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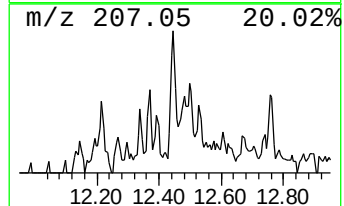
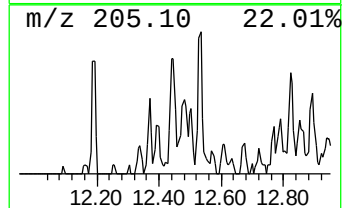
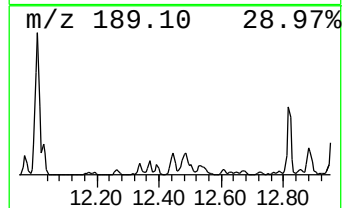
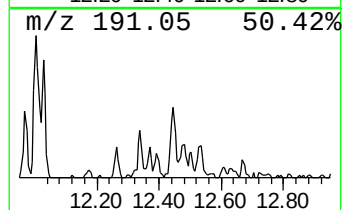
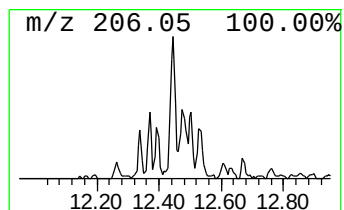
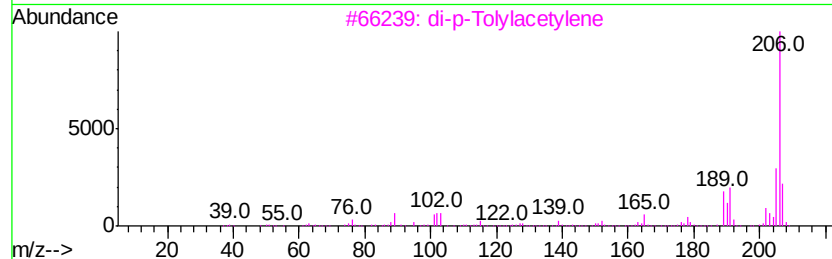
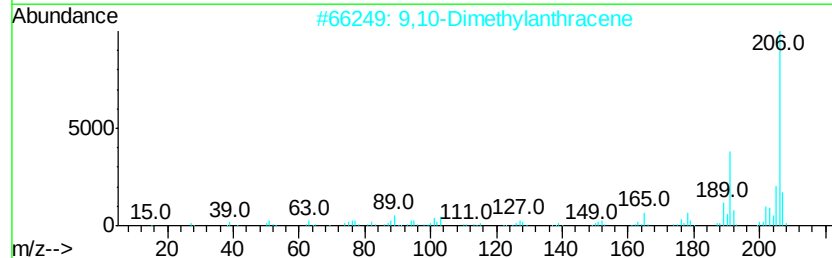
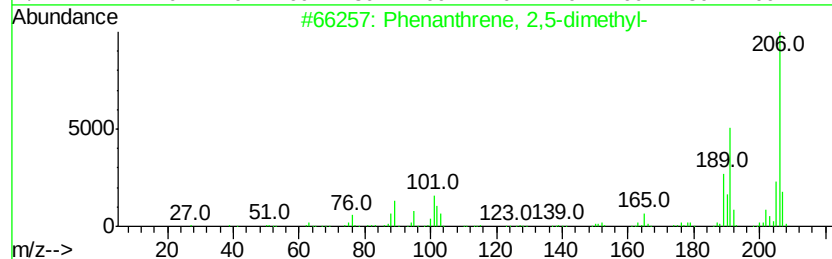
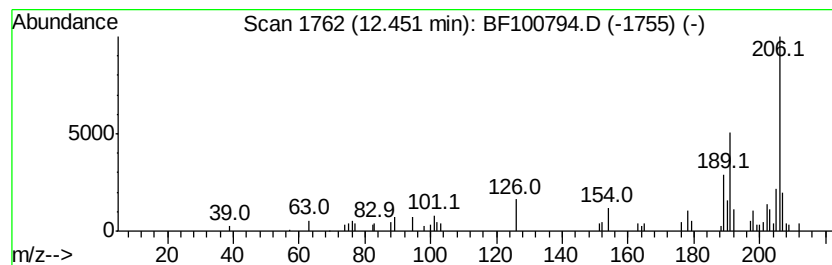
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 7 Phenanthrene, 2,5-dimethyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD		R.T.
12.45	3.65 ng	90711	Phenanthrene-d10		11.39
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	97
2	9,10-Dimethylantracene	206	C16H14	000781-43-1	96
3	di-p-Tolylacetylene	206	C16H14	002789-88-0	95
4	Anthracene, 1,4-dimethyl-	206	C16H14	000781-92-0	93
5	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	93



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF112117\
Data File : BF100794.D
Acq On : 21 Nov 2017 21:27
Operator : SJ/JU
Sample : I6499-06 5X
Misc :
ALS Vial : 24 Sample Multiplier: 1

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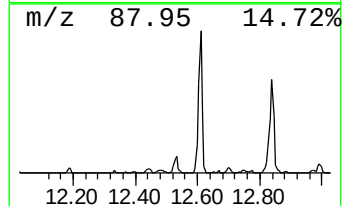
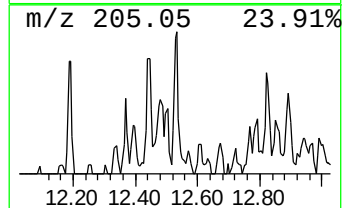
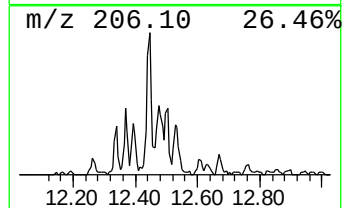
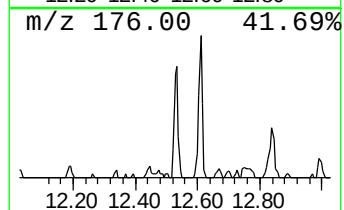
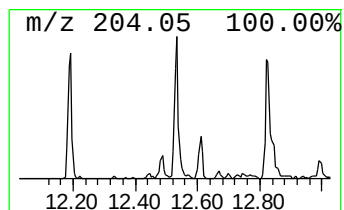
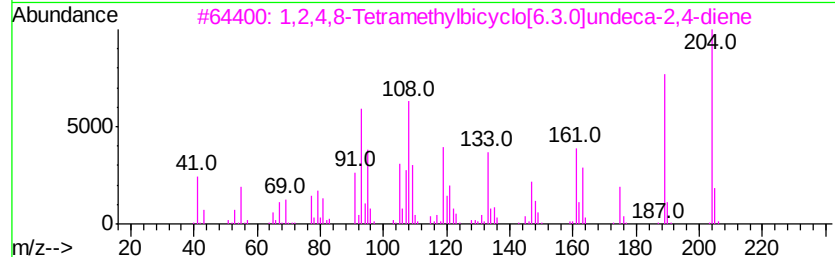
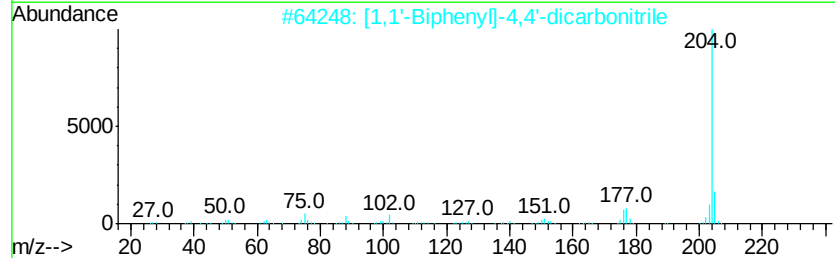
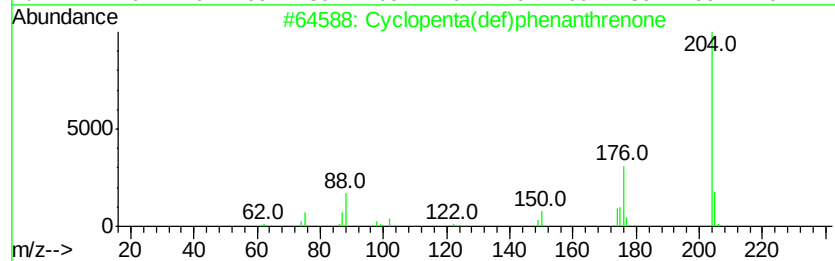
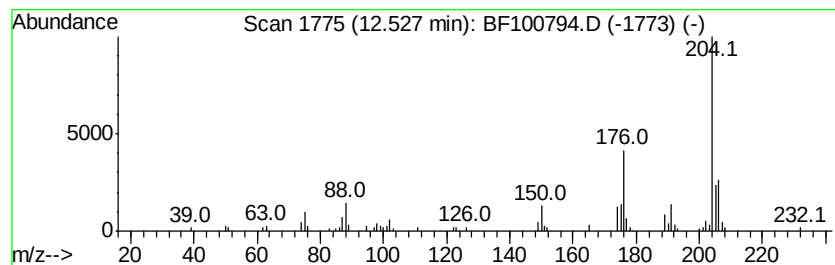
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 8 Cyclopenta(def)phenanthrenone Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.53	4.00 ng	99464	Phenanthrene-d10	11.39

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	96
2		[1,1'-Biphenyl]-4,4'-dicarbonitrile	204	C14H8N2	001591-30-6	59
3		1,2,4,8-Tetramethylbicyclo[6.3.0]undeca-2,4-diene	204	C15H24	137235-51-9	53
4		[1,1'-Biphenyl]-2,2'-dicarbonitrile	204	C14H8N2	004341-02-0	50
5		Benzo[1,2-b:4,3-b']dithiophene, ...	204	C11H8S2	013640-86-3	47



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF112117\
Data File : BF100794.D
Acq On : 21 Nov 2017 21:27
Operator : SJ/JU
Sample : I6499-06 5X
Misc :
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Instrument :
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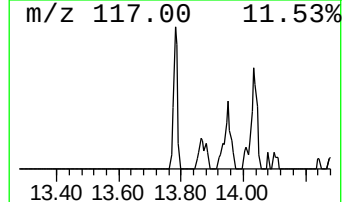
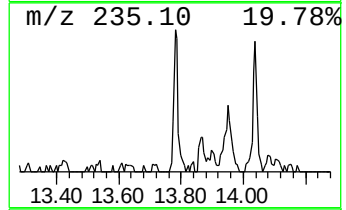
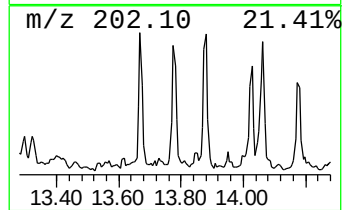
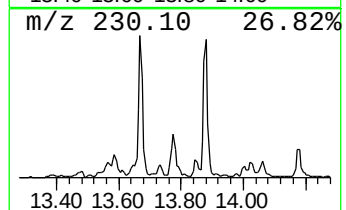
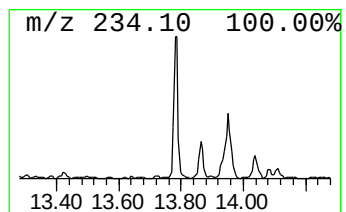
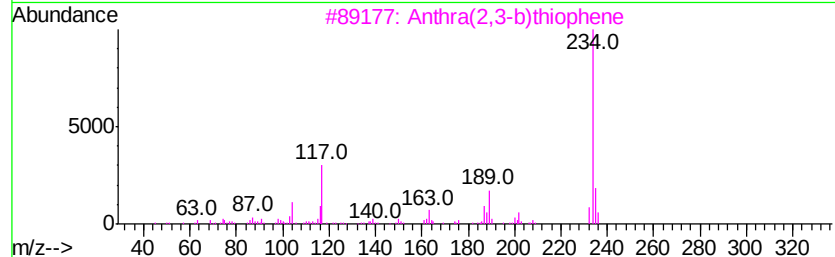
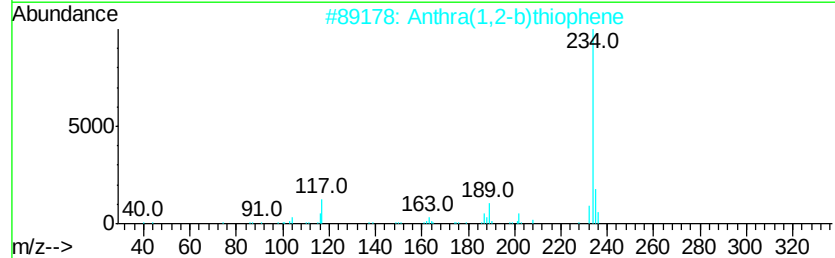
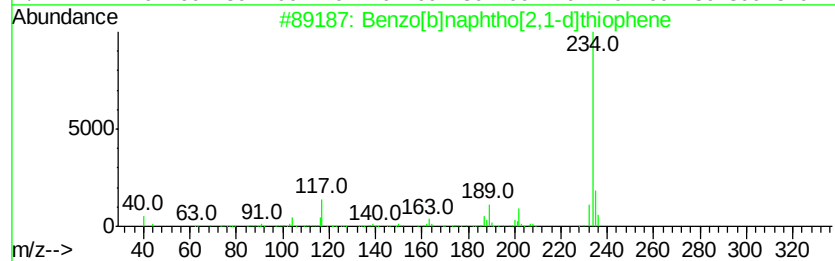
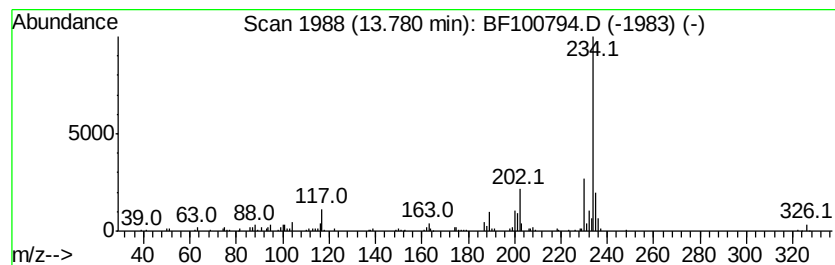
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 9 Benzo[b]naphtho[2,1-d]thiop... Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.78	2.50 ng	176814	Chrysene-d12	14.04

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzo[b]naphtho[2,1-d]thiophene	234	C16H10S	000239-35-0	95
2		Anthra(1,2-b)thiophene	234	C16H10S	000227-86-1	95
3		Anthra(2,3-b)thiophene	234	C16H10S	022108-55-0	91
4		Benzo[b]naphtho[2,3-d]thiophene	234	C16H10S	000243-46-9	70
5		Benzo[b]naphtho[1,2-d]thiophene	234	C16H10S	000205-43-6	64



Data Path : Z:\HPCHEM1\BNA F\DATA\BF112117\
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Sample : I6499-06 5X
Misc :
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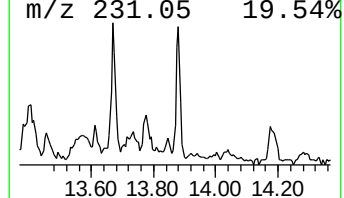
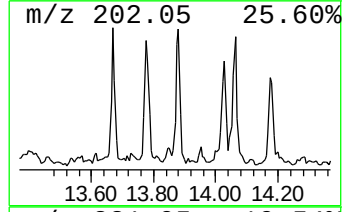
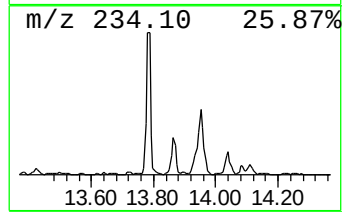
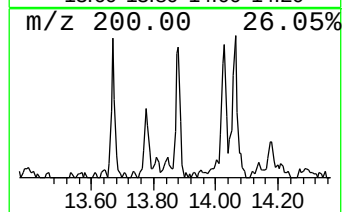
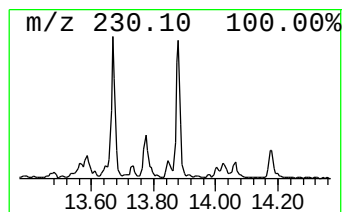
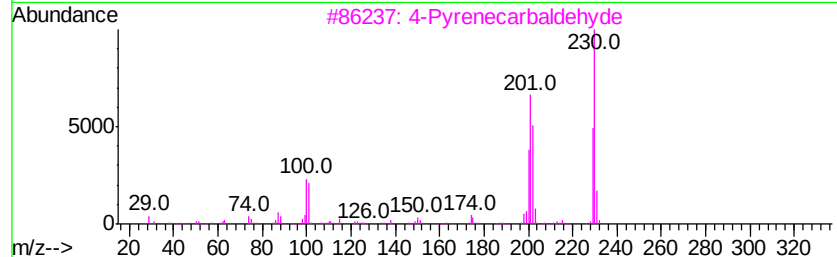
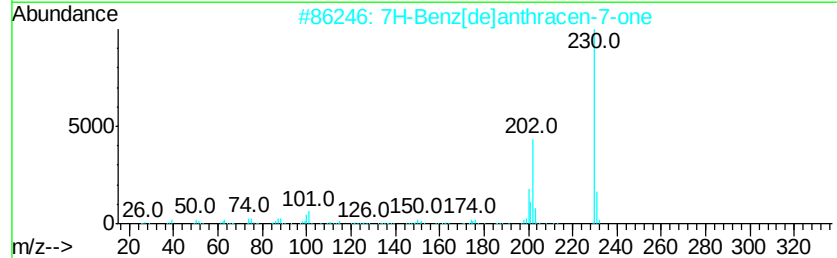
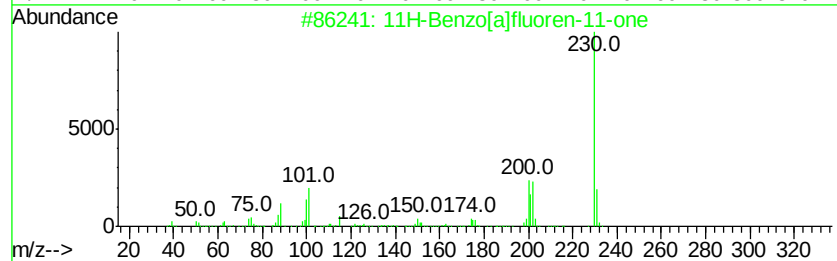
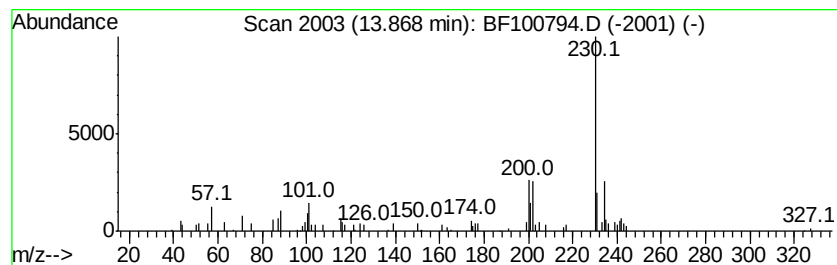
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 10 11H-Benzo[a]fluoren-11-one Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD		R.T.	
13.87	2.72 ng	192531	Chrysene-d12		14.04	
Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		11H-Benzo[a]fluoren-11-one	230	C17H10O	000479-79-8	97
2		7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	90
3		4-Pyrenecarbaldehyde	230	C17H10O	022245-51-8	78
4		9-Chloro-1-phenazinol	230	C12H7ClN2O	091268-03-0	59
5		o-Terphenyl	230	C18H14	000084-15-1	50



Data Path : Z:\HPCHEM1\BNA F\DATA\BF112117\
Data File : BF100794.D
Acq On : 21 Nov 2017 21:27
Operator : SJ/JU
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Misc :
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Instrument :
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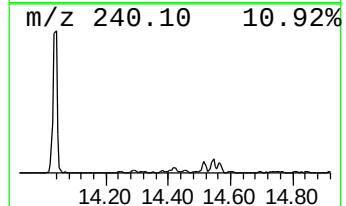
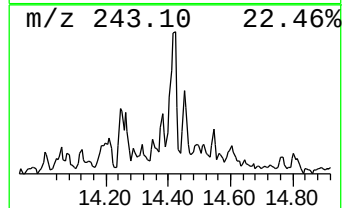
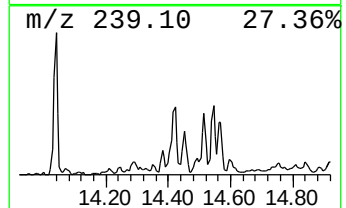
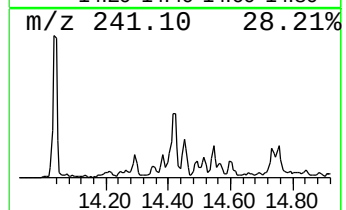
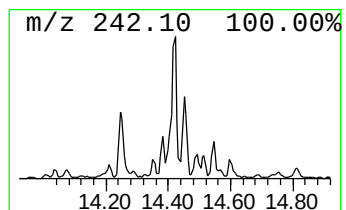
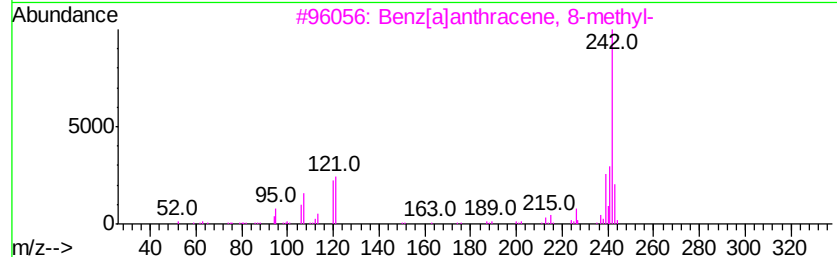
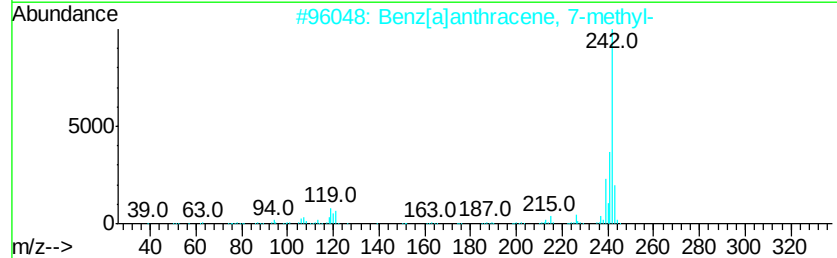
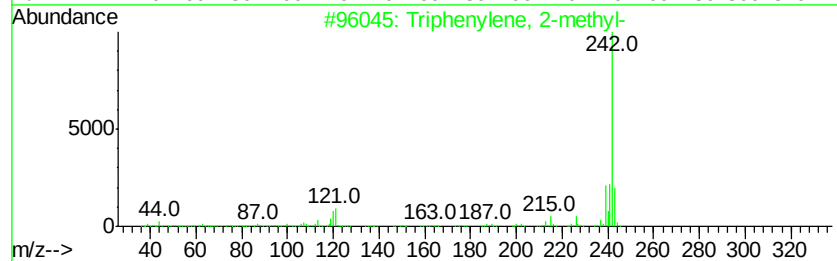
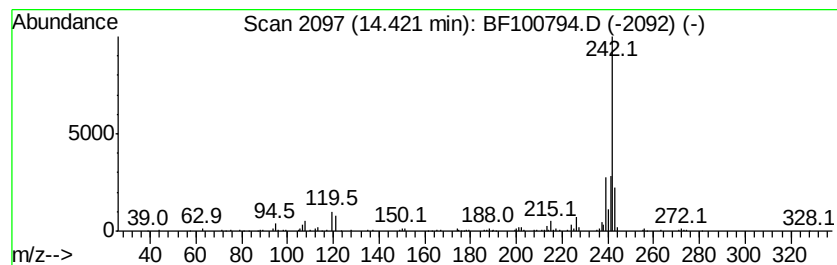
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 11 Triphenylene, 2-methyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.42	2.76 ng	195347	Chrysene-d12	14.04

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Triphenylene, 2-methyl-	242	C19H14	001705-84-6	97
2		Benz[a]anthracene, 7-methyl-	242	C19H14	002541-69-7	96
3		Benz[a]anthracene, 8-methyl-	242	C19H14	002381-31-9	95
4		Benz[a]anthracene, 1-methyl-	242	C19H14	002498-77-3	95
5		Benzo[c]phenanthrene, 6-methyl-	242	C19H14	002381-34-2	93



Data Path : Z:\HPCHEM1\BNA F\DATA\BF112117\
Data File : BF100794.D
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Operator : SJ/JU
Sample : I6499-06 5X
Misc :
ALS Vial : 24 Sample Multiplier: 1

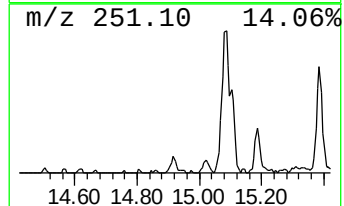
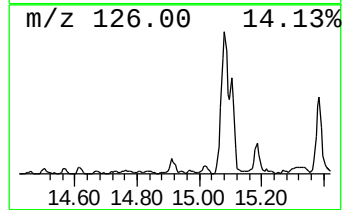
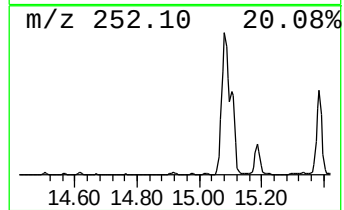
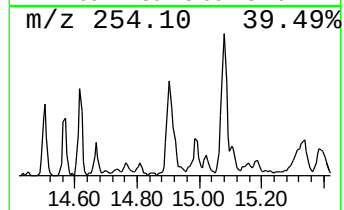
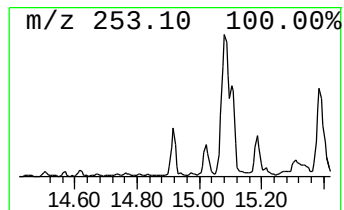
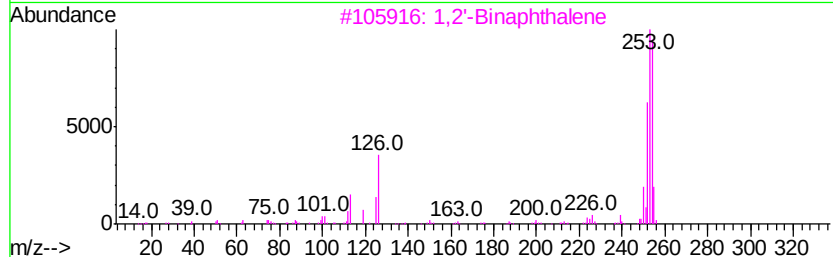
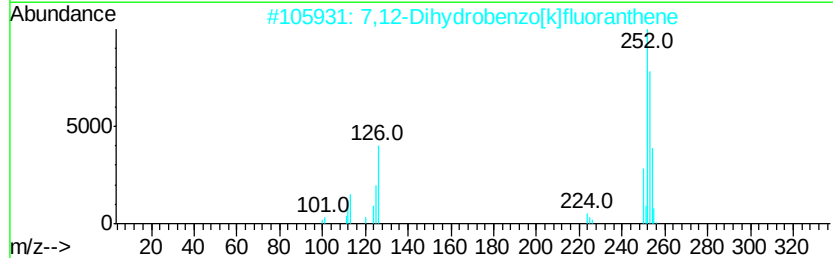
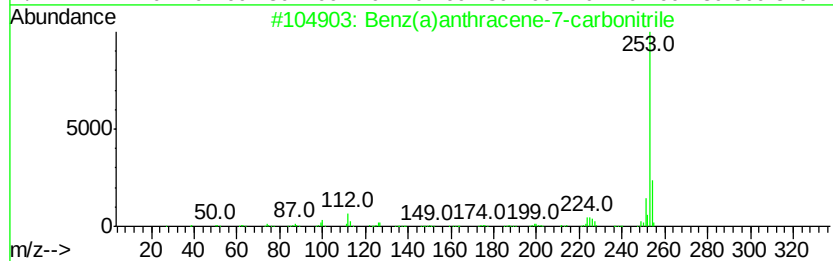
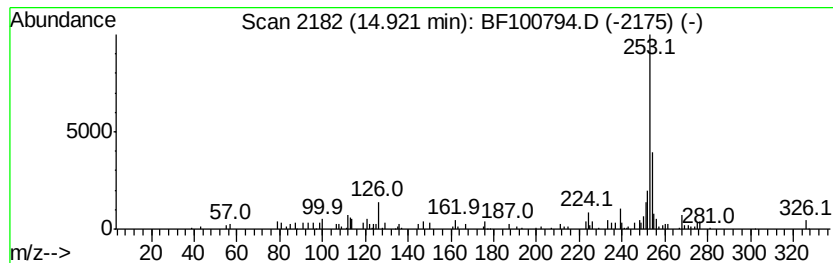
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PG1-4-E(0-1)

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 12 Benz(a)anthracene-7-carboni... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.		
14.92	5.31 ng	143428	Perylene-d12	15.51		
Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		Benz(a)anthracene-7-carbonitrile	253	C19H11N	007476-08-6	62
2		7,12-Dihydrobenzo[k]fluoranthene	254	C20H14	1000080-17-7	53
3		1,2'-Binaphthalene	254	C20H14	004325-74-0	50
4		Imidazole, 2-iodo-5-methyl-4-nitro-	253	C4H4IN3O2	149510-86-1	43
5		Benzenamine, N,N'-1,2-ethanediyl...	268	C16H16N2O2	024764-91-8	43



Data Path : Z:\HPCHEM1\BNA F\DATA\BF112117\
Data File : BF100794.D
Acq On : 21 Nov 2017 21:27
Operator : SJ/JU
Sample : I6499-06 5X
Misc :
ALS Vial : 24 Sample Multiplier: 1

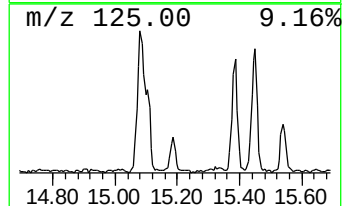
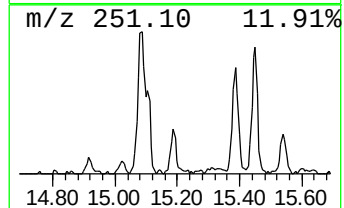
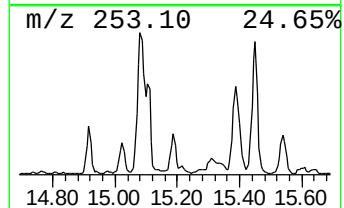
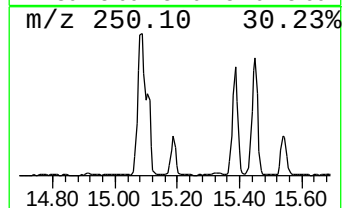
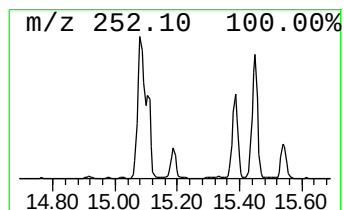
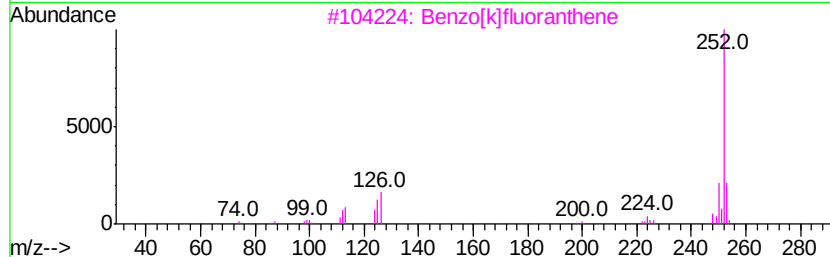
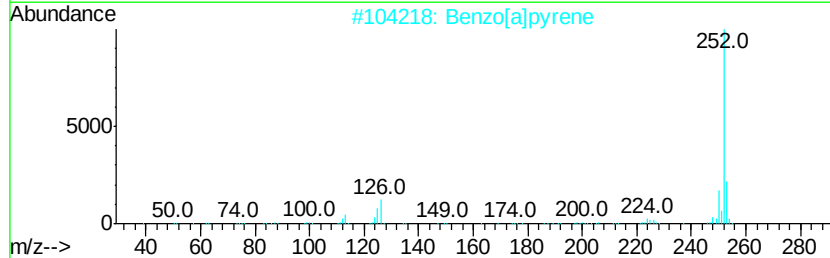
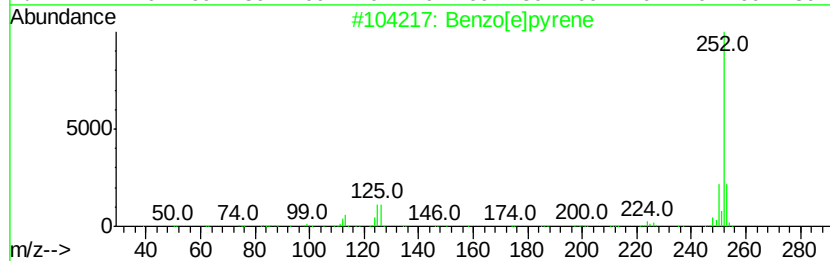
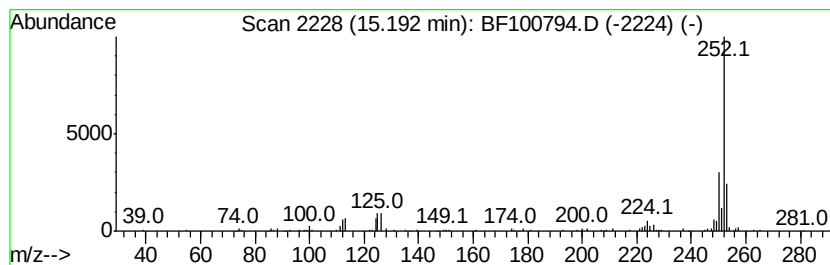
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ClientSampleId :
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Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF110817.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 13 Benzo[e]pyrene Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.	
15.19	5.24 ng	141479	Perylene-d12	15.51	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	97
2	Benzo[a]pyrene	252	C20H12	000050-32-8	94
3	Benzo[k]fluoranthene	252	C20H12	000207-08-9	94
4	Perylene	252	C20H12	000198-55-0	93
5	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	93



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF112117\
Data File : BF100794.D
Acq On : 21 Nov 2017 21:27
Operator : SJ/JU
Sample : I6499-06 5X
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument :
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ClientSampleId :
PG1-4-E(0-1)

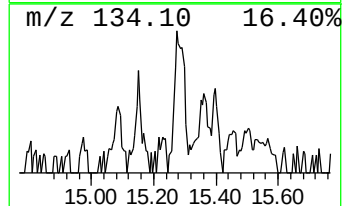
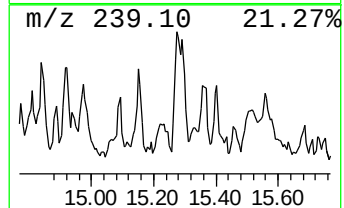
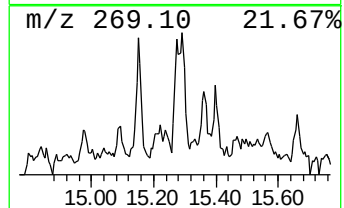
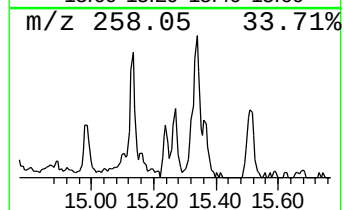
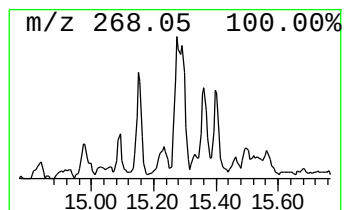
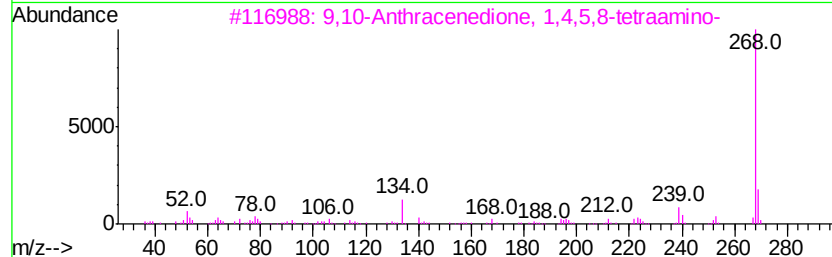
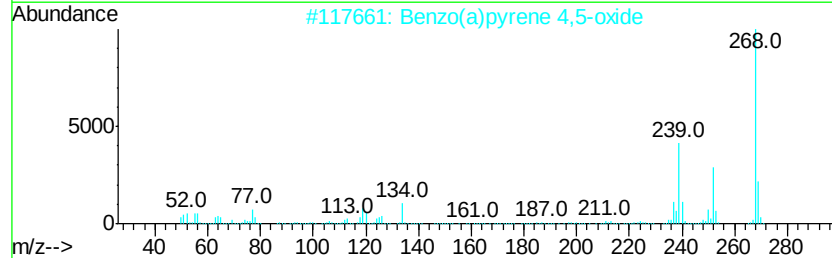
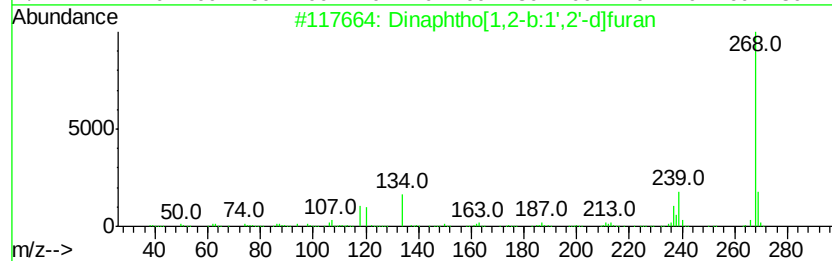
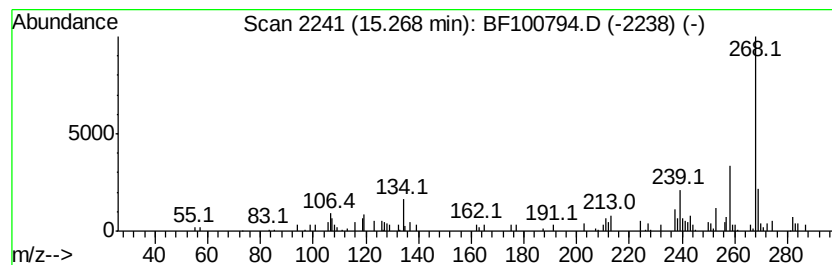
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 14 Dinaphtho[1,2-b:1',2'-d]furan Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.27	2.66 ng	71982	Perylene-d12	15.51

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Dinaphtho[1,2-b:1',2'-d]furan	268	C20H12O	000207-93-2	91
2		Benzo(a)pyrene 4,5-oxide	268	C20H12O	037574-47-3	74
3		9,10-Anthracenedione, 1,4,5,8-te...	268	C14H12N4O2	002475-45-8	64
4		10-Hydroxy-5-methoxy-2-methyl-1,...	268	C16H12O4	084542-45-0	59
5		9,10-Anthracenedione, 1,4-diamin...	268	C15H12N2O3	002872-48-2	59



Data Path : Z:\HPCHEM1\BNA F\DATA\BF112117\
Data File : BF100794.D
Acq On : 21 Nov 2017 21:27
Operator : SJ/JU
Sample : I6499-06 5X
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument :
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ClientSampleId :
PG1-4-E(0-1)

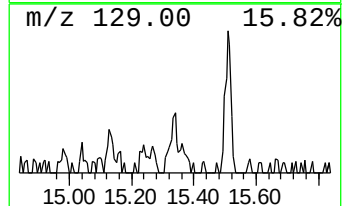
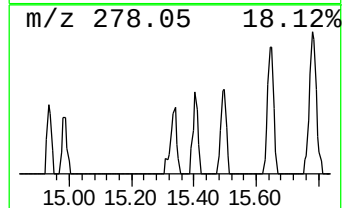
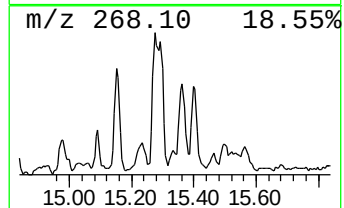
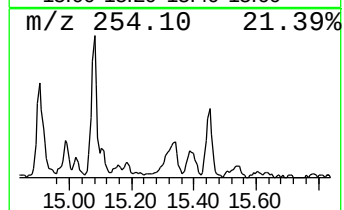
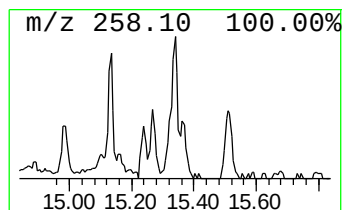
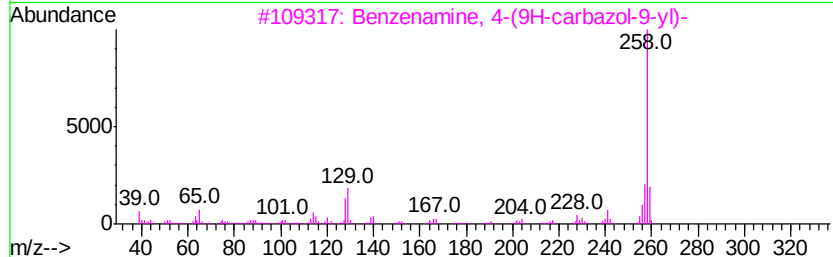
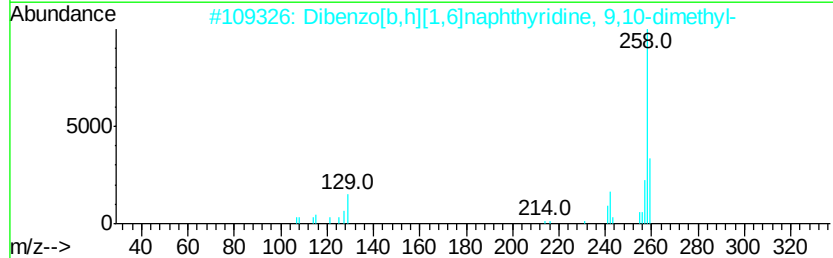
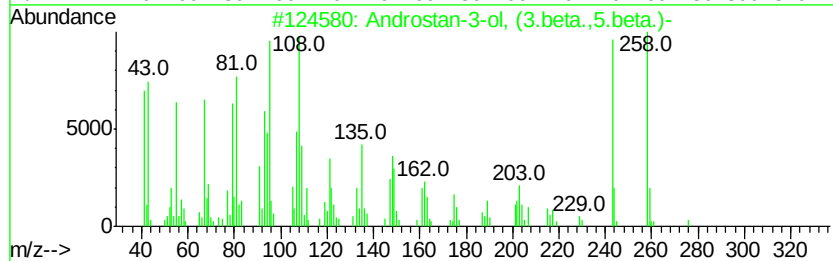
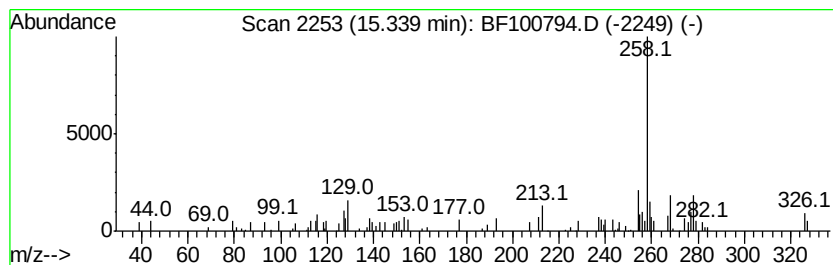
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 15 unknown15.34 Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.34	3.08 ng	83206	Perylene-d12	15.51

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Androstan-3-ol, (3.beta.,5.beta.)-	276	C19H32O	015360-52-8	43
2		Dibenzo[b,h][1,6]naphthyridine, ...	258	C18H14N2	004240-85-1	43
3		Benzenamine, 4-(9H-carbazol-9-yl)-	258	C18H14N2	052708-37-9	43
4		p-(Adamantyl-1)-methylthiobenzene	258	C17H22S	073861-75-3	43
5		2',5'-Dimethoxy-2-biphenylcarbox...	258	C15H14O4	003525-23-3	38



Data Path : Z:\HPCHEM1\BNA F\DATA\BF112117\
Data File : BF100794.D
Acq On : 21 Nov 2017 21:27
Operator : SJ/JU
Sample : I6499-06 5X
Misc :
ALS Vial : 24 Sample Multiplier: 1

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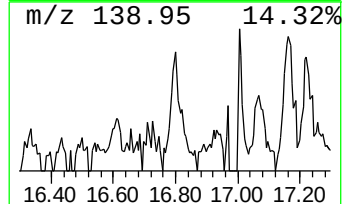
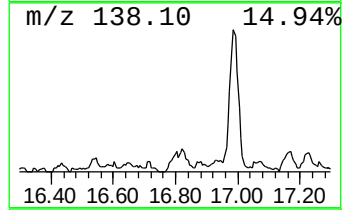
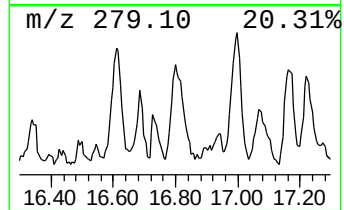
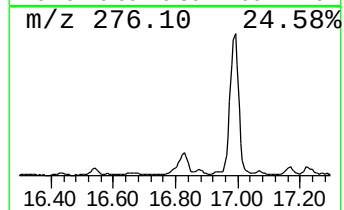
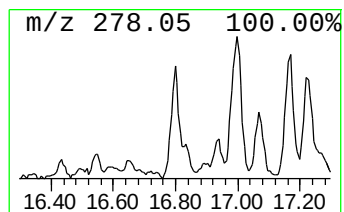
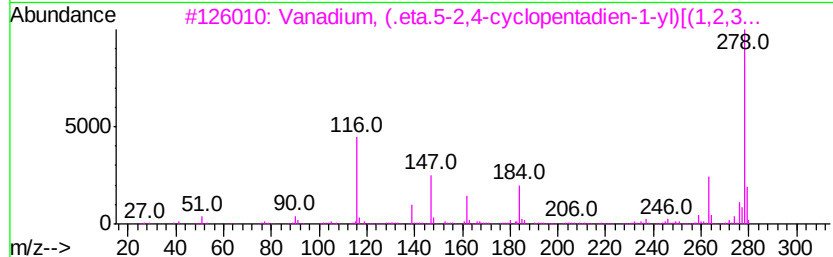
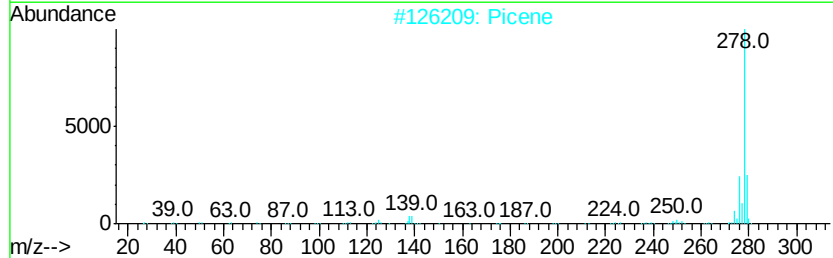
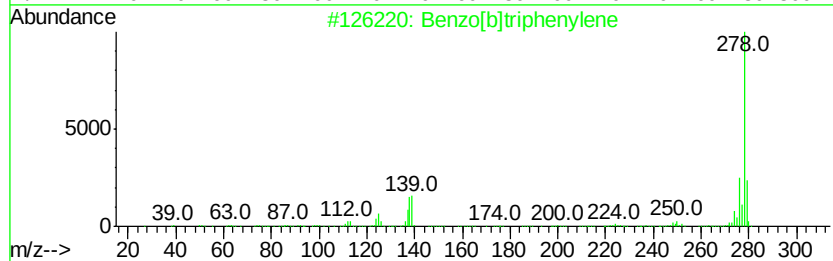
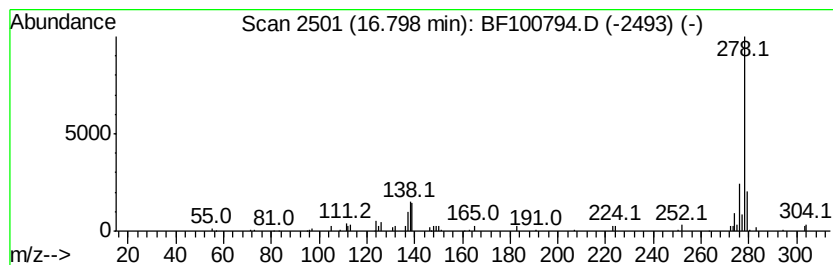
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 17 Benzo[b]triphenylene Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.80	2.64 ng	71319	Perylene-d12	15.51

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzo[b]triphenylene	278	C22H14	000215-58-7	95
2		Picene	278	C22H14	000213-46-7	59
3		Vanadium, (.eta.5-2,4-cyclopenta...	278	C17H23V	126948-97-8	58
4		2-(4-Dicyanomethyl-2,3,5,6-tetra...	278	C12H2F4N4	1000311-66-9	52
5		Benz[a]anthracene-7,12-dicarboni...	278	C20H10N2	035215-32-8	52



Data Path : Z:\HPCHEM1\BNA F\DATA\BF112117\
Data File : BF100794.D
Acq On : 21 Nov 2017 21:27
Operator : SJ/JU
Sample : I6499-06 5X
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument :
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ClientSampleId :
PG1-4-E(0-1)

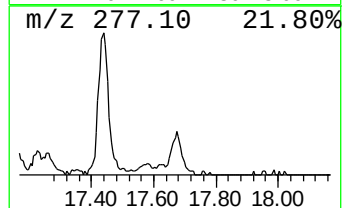
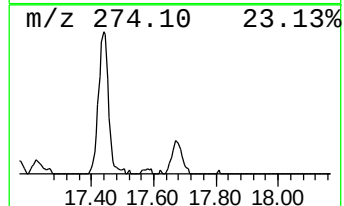
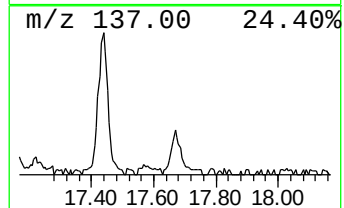
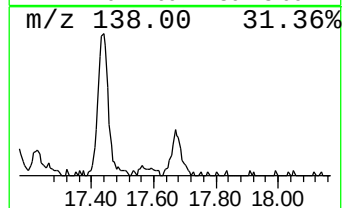
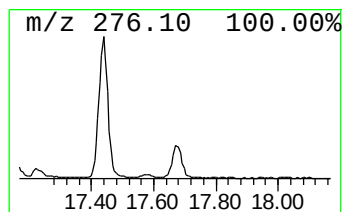
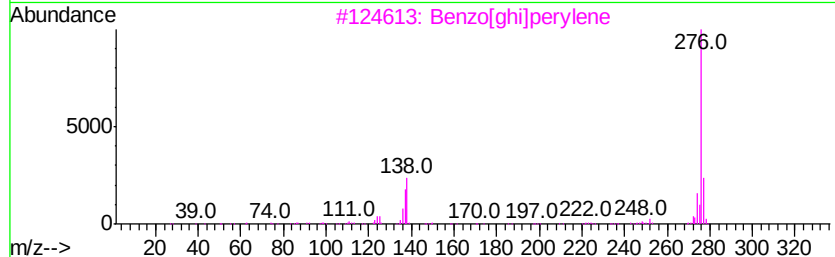
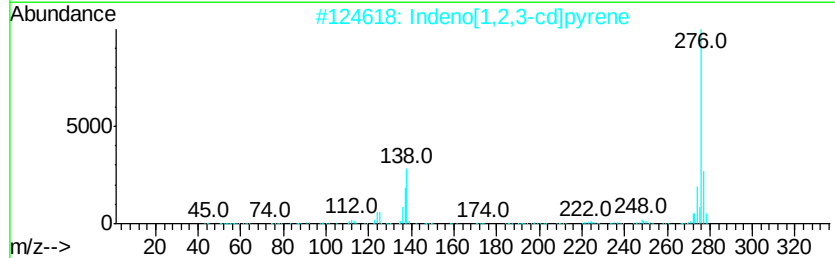
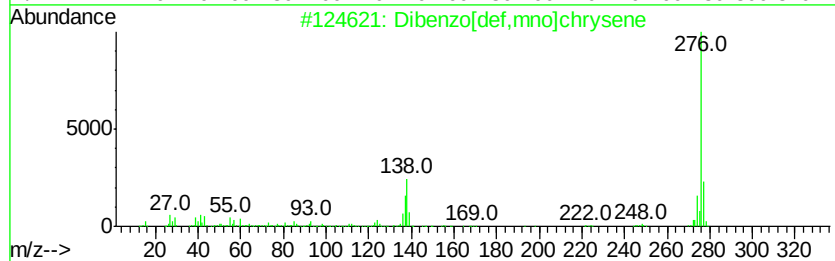
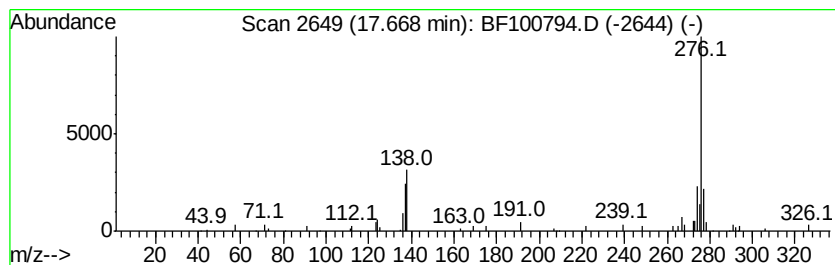
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 20 Dibenzo[def,mno]chrysene Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.67	3.19 ng	86161	Perylene-d12	15.51

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Dibenzo[def,mno]chrysene	276	C22H12	000191-26-4	93
2			Indeno[1,2,3-cd]pyrene	276	C22H12	000193-39-5	91
3			Benzo[ghi]perylene	276	C22H12	000191-24-2	87
4			Indeno[1,2,3-cd]fluoranthene	276	C22H12	000193-43-1	74
5			2-Naphthalenecarboxylic acid, 5,...	276	C15H16O5	023673-53-2	43



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF112117\
 Data File : BF100794.D
 Acq On : 21 Nov 2017 21:27
 Operator : SJ/JU
 Sample : I6499-06 5X
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PG1-4-E(0-1)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF110817.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

TIC Top Hit name	RT	EstConc	Units	Response	--Internal Standard--			
					#	RT	Resp	Conc
unknown6.63	6.63	20.6	ng	456129	1	6.87	443402	20.0
Phenanthrene, 1-m...	11.89	3.7	ng	93154	4	11.39	497603	20.0
4H-Cyclopenta[def...	12.01	7.0	ng	175053	4	11.39	497603	20.0
Naphthalene, 2-ph...	12.19	2.9	ng	72480	4	11.39	497603	20.0
Phenanthrene, 2,5...	12.45	3.6	ng	90711	4	11.39	497603	20.0
Cyclopenta(def)ph...	12.53	4.0	ng	99464	4	11.39	497603	20.0
Benzo[b]naphtho[2...	13.78	2.5	ng	176814	5	14.04	1414810	20.0
11H-Benzo[a]fluor...	13.87	2.7	ng	192531	5	14.04	1414810	20.0
Triphenylene, 2-m...	14.42	2.8	ng	195347	5	14.04	1414810	20.0
Benz(a)anthracene...	14.92	5.3	ng	143428	6	15.51	540214	20.0
Benzo[e]pyrene	15.19	5.2	ng	141479	6	15.51	540214	20.0
Dinaphtho[1,2-b:1...	15.27	2.7	ng	71982	6	15.51	540214	20.0
unknown15.34	15.34	3.1	ng	83206	6	15.51	540214	20.0
Benzo[b]triphenylene	16.80	2.6	ng	71319	6	15.51	540214	20.0
Dibenzo[def,mno]c...	17.67	3.2	ng	86161	6	15.51	540214	20.0