

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF100620\
 Data File : BF121857.D
 Acq On : 6 Oct 2020 17:31
 Operator : JU/CG
 Sample : L4230-10
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 2015

Integration Parameters: rteint.p
 Integrator: RTE
 Smoothing : ON
 Sampling : 1
 Start Thrs: 0.2
 Stop Thrs : 0

Filtering: 5
 Min Area: 3 % of largest Peak
 Max Peaks: 100
 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
 Peak separation: 5

Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF091020.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	4.981	488	492	501	rBV	32593	45028	1.68%	0.147%
2	5.387	557	561	581	rBV	2559199	2532035	94.52%	8.288%
3	6.404	730	734	757	rBV	2417446	2623182	97.92%	8.587%
4	6.604	764	768	772	rBV2	22062	31159	1.16%	0.102%
5	6.763	791	795	804	rVB	879706	716797	26.76%	2.346%
6	7.328	886	891	894	rBV	1877010	1738186	64.89%	5.690%
7	8.045	1009	1013	1020	rBV	1042861	896790	33.48%	2.936%
8	9.122	1191	1196	1199	rBV	2970152	2678854	100.00%	8.769%
9	9.516	1259	1263	1269	rBV	293001	275784	10.29%	0.903%
10	9.563	1269	1271	1278	rVB2	40516	34481	1.29%	0.113%
11	9.657	1283	1287	1291	rBV	55927	57379	2.14%	0.188%
12	9.710	1293	1296	1298	rBV	43712	34468	1.29%	0.113%
13	9.798	1305	1311	1314	rBV	1132696	948902	35.42%	3.106%
14	9.827	1314	1316	1323	rVB2	75855	95851	3.58%	0.314%
15	10.345	1401	1404	1411	rBV	36366	36496	1.36%	0.119%
16	10.586	1441	1445	1456	rBV	1388285	1366552	51.01%	4.473%
17	10.710	1462	1466	1473	rVB3	35489	52115	1.95%	0.171%
18	11.092	1528	1531	1535	rVB	35034	34213	1.28%	0.112%
19	11.180	1543	1546	1550	rVB	63254	63747	2.38%	0.209%
20	11.280	1559	1563	1565	rBV	892132	795247	29.69%	2.603%
21	11.304	1565	1567	1571	rVV	736766	602447	22.49%	1.972%
22	11.357	1574	1576	1579	rVB	129513	103436	3.86%	0.339%
23	11.516	1600	1603	1608	rVB	57140	56102	2.09%	0.184%
24	11.616	1617	1620	1625	rVB3	28283	37220	1.39%	0.122%
25	11.780	1646	1648	1651	rBV	86072	79463	2.97%	0.260%
26	11.810	1651	1653	1658	rVB	120040	108999	4.07%	0.357%
27	11.892	1664	1667	1670	rBV	270079	276574	10.32%	0.905%
28	11.916	1670	1671	1676	rVB2	59609	72667	2.71%	0.238%
29	12.063	1694	1696	1697	rBV	64524	50021	1.87%	0.164%
30	12.110	1701	1704	1707	rBV	117438	108529	4.05%	0.355%
31	12.257	1727	1729	1731	rBV	40990	34324	1.28%	0.112%
32	12.333	1738	1742	1744	rBV	72096	69528	2.60%	0.228%
33	12.363	1744	1747	1750	rVV2	68436	87888	3.28%	0.288%
34	12.410	1750	1755	1761	rVB4	210205	369716	13.80%	1.210%

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35	12.498	1766	1770	1773	rBV	1168074	1084903	40.50%	3.551%
36	12.539	1774	1777	1779	rBV2	67264	60764	2.27%	0.199%
37	12.586	1782	1785	1789	rVB	307701	280900	10.49%	0.919%
38	12.627	1789	1792	1798	rBV2	126376	167337	6.25%	0.548%
39	12.721	1802	1808	1812	rBV	942132	1070704	39.97%	3.505%
40	12.751	1812	1813	1815	rVB	50363	30831	1.15%	0.101%
41	12.804	1820	1822	1825	rVB	128652	98740	3.69%	0.323%
42	12.868	1825	1833	1840	rVB	1970676	2253138	84.11%	7.375%
43	12.945	1841	1846	1849	rBV2	75636	139491	5.21%	0.457%
44	13.051	1857	1864	1867	rVB2	244201	329495	12.30%	1.079%
45	13.086	1867	1870	1873	rBV	247716	222135	8.29%	0.727%
46	13.115	1873	1875	1879	rVV	73710	68626	2.56%	0.225%
47	13.157	1879	1882	1884	rVV2	79876	73475	2.74%	0.241%
48	13.210	1889	1891	1893	rVV2	31669	33980	1.27%	0.111%
49	13.239	1893	1896	1899	rVV2	149191	167561	6.25%	0.548%
50	13.274	1899	1902	1903	rVV2	94989	102705	3.83%	0.336%
51	13.292	1903	1905	1910	rVB	108769	100696	3.76%	0.330%
52	13.339	1911	1913	1916	rBV4	41667	37746	1.41%	0.124%
53	13.451	1926	1932	1939	rBV3	177309	286689	10.70%	0.938%
54	13.562	1948	1951	1955	rVB	131349	133668	4.99%	0.438%
55	13.668	1965	1969	1972	rBV	183037	198608	7.41%	0.650%
56	13.698	1972	1974	1976	rVV	91336	72734	2.72%	0.238%
57	13.721	1976	1978	1979	rVV	78939	58162	2.17%	0.190%
58	13.774	1983	1987	1996	rVV2	178271	379492	14.17%	1.242%
59	13.839	1996	1998	2002	rVB2	47038	48087	1.80%	0.157%
60	13.921	2004	2012	2014	rBV2	1005187	1392673	51.99%	4.559%
61	13.945	2014	2016	2024	rVB	607765	564245	21.06%	1.847%
62	14.027	2024	2030	2032	rBV2	90004	113136	4.22%	0.370%
63	14.051	2032	2034	2036	rBV3	49039	42256	1.58%	0.138%
64	14.268	2069	2071	2073	rBV2	38647	34354	1.28%	0.112%
65	14.309	2073	2078	2081	rVB	95315	109807	4.10%	0.359%
66	14.339	2081	2083	2088	rBV2	47696	68773	2.57%	0.225%
67	14.386	2088	2091	2093	rBV4	39777	48817	1.82%	0.160%
68	14.433	2096	2099	2101	rBV2	81084	87546	3.27%	0.287%
69	14.621	2128	2131	2133	rBV2	38489	46275	1.73%	0.151%
70	14.951	2182	2187	2189	rBV	528854	761717	28.43%	2.493%
71	15.051	2201	2204	2207	rBV	79325	86186	3.22%	0.282%

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72	15.239	2232	2236	2242	rVB	322956	400761	14.96%	1.312%
73	15.298	2242	2246	2252	rBV	399069	485577	18.13%	1.589%
74	15.362	2252	2257	2260	rBV	635669	796494	29.73%	2.607%
75	15.786	2326	2329	2333	rVB2	48587	64244	2.40%	0.210%
76	16.774	2491	2497	2504	rBV2	180440	362123	13.52%	1.185%
77	17.203	2564	2570	2579	rVB	130368	264211	9.86%	0.865%
78	17.839	2673	2678	2686	rVB10	58995	133739	4.99%	0.438%
79	18.286	2748	2754	2762	rBV10	23571	72025	2.69%	0.236%

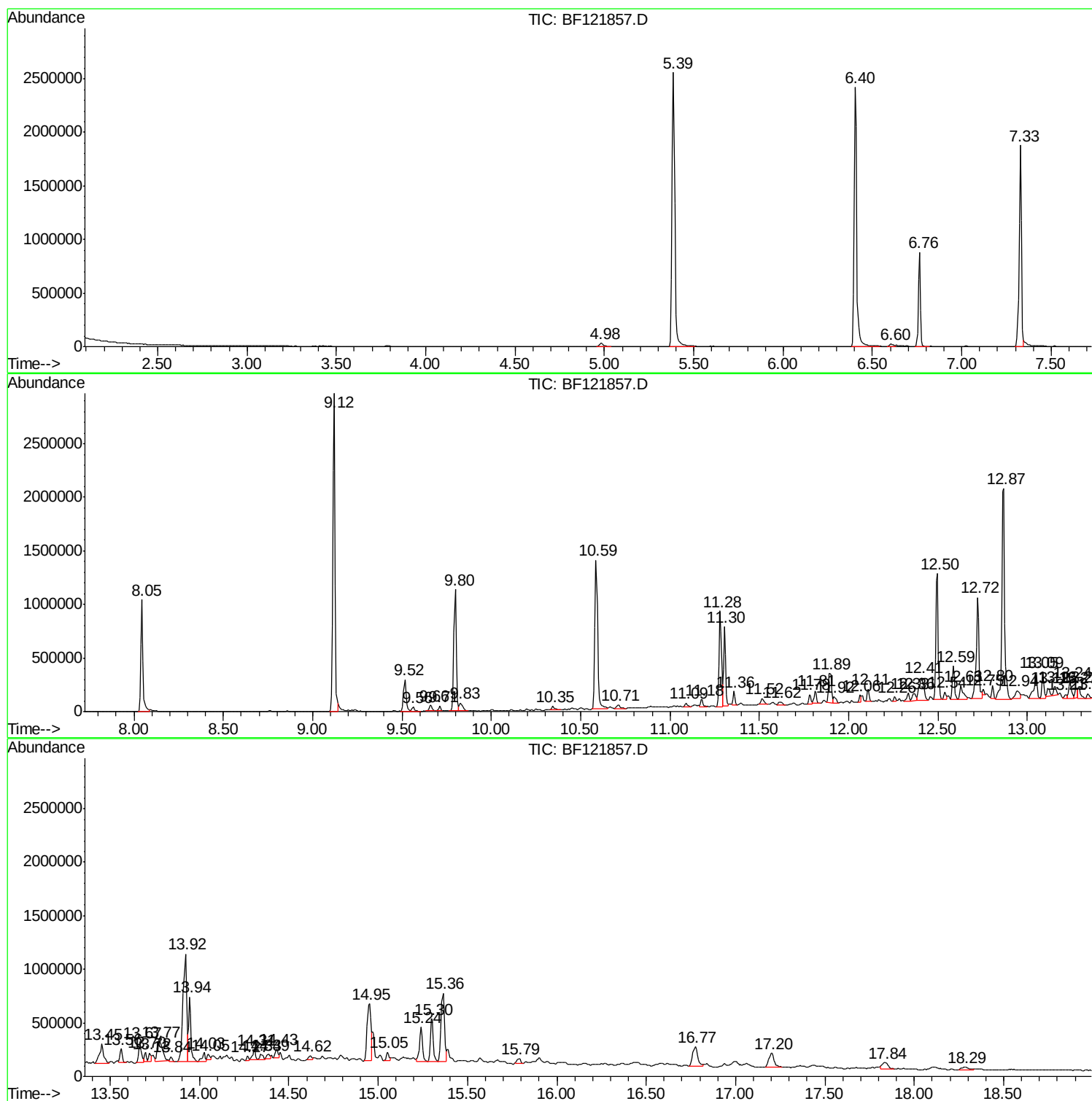
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Instrument :
BNA_F
ClientSampled :
2015

Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF091020.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



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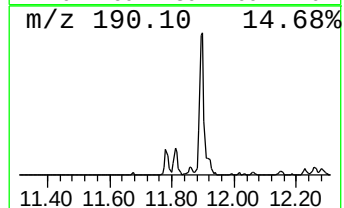
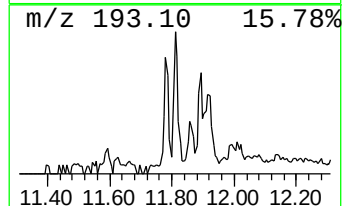
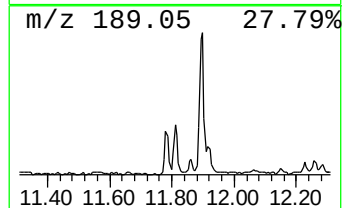
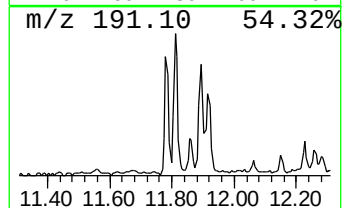
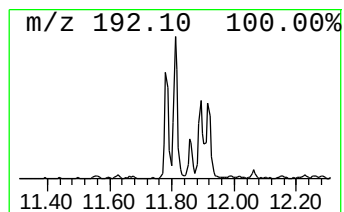
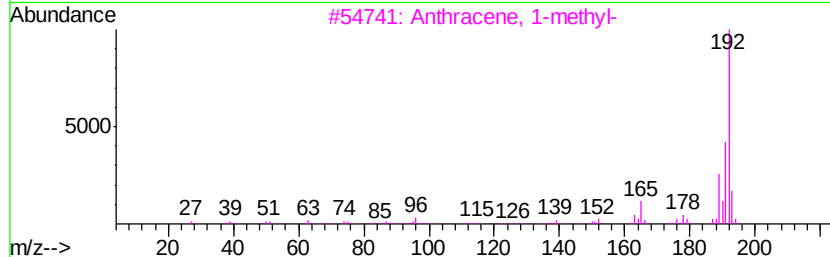
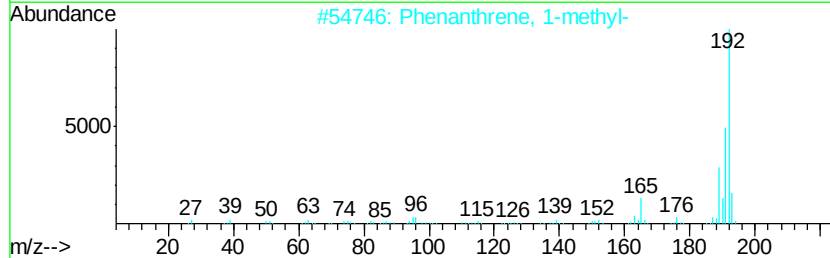
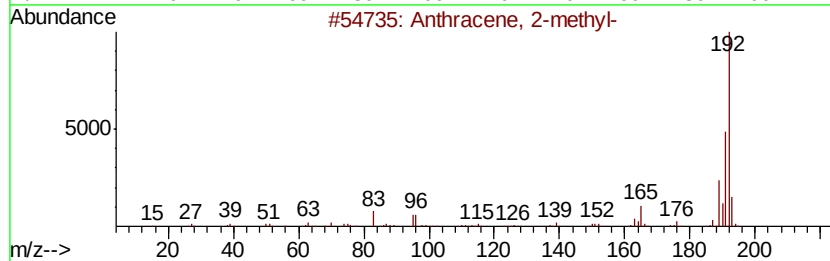
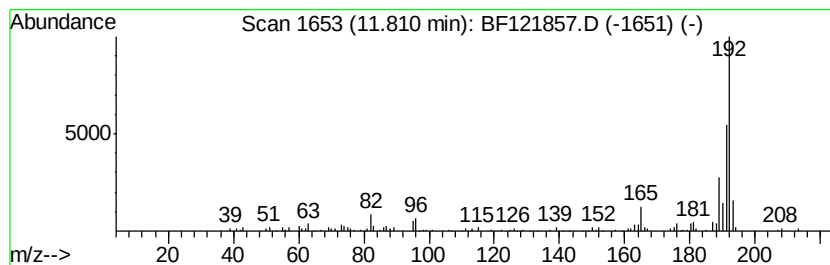
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 1 Anthracene, 2-methyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.	
11.81	2.74 ng	108999	Phenanthrene-d10	11.28	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	96
3	Anthracene, 1-methyl-	192	C15H12	000610-48-0	94
4	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	94
5	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	94



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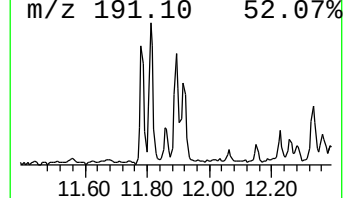
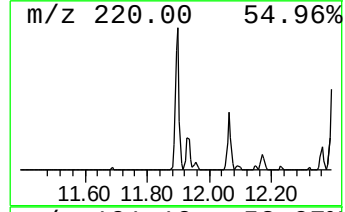
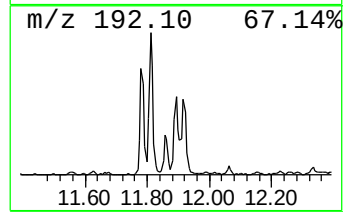
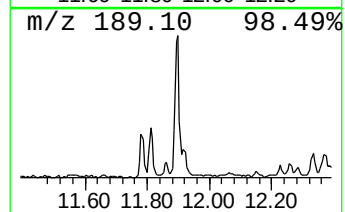
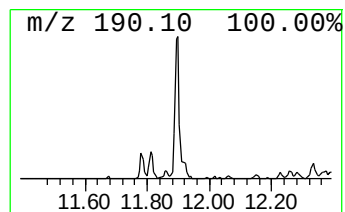
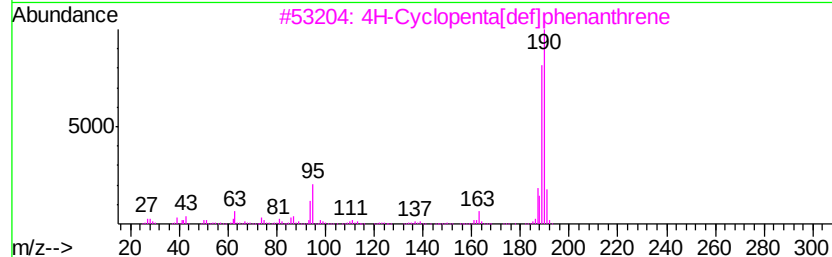
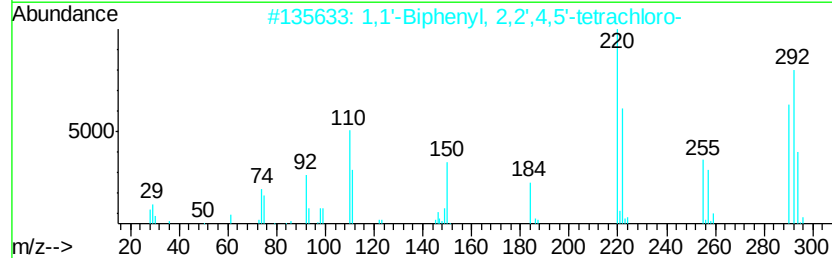
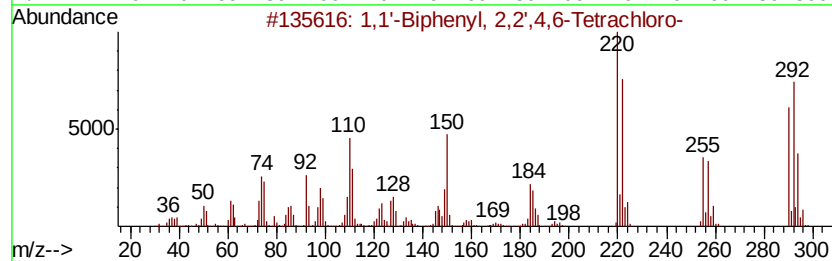
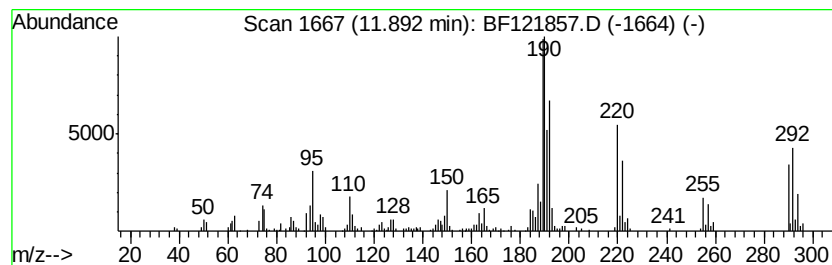
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 2 1,1'-Biphenyl, 2,2',4,6-Tet... Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.	
11.89	6.96 ng	276574	Phenanthrene-d10	11.28	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl, 2,2',4,6-Tetrachl...	290	C12H6Cl4	062796-65-0	94
2	1,1'-Biphenyl, 2,2',4,5'-tetrach...	290	C12H6Cl4	041464-40-8	93
3	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	46
4	Methyl 3,5-dichloro-4-hydroxyben...	220	C8H6Cl2O3	003337-59-5	46
5	1,1'-Biphenyl, 2,2',3,3'-tetrach...	290	C12H6Cl4	038444-93-8	30



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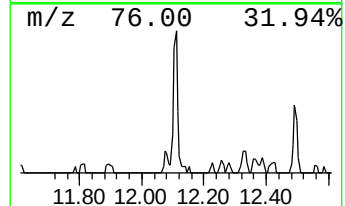
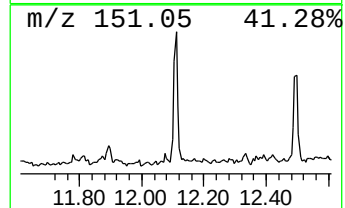
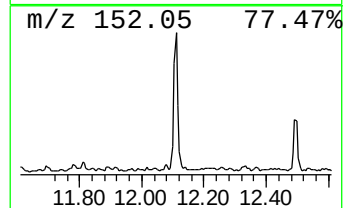
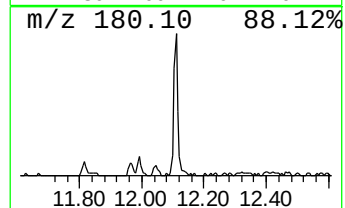
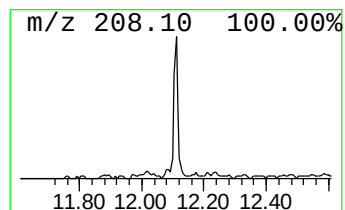
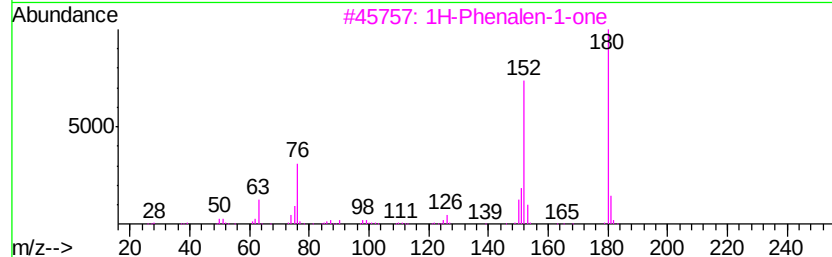
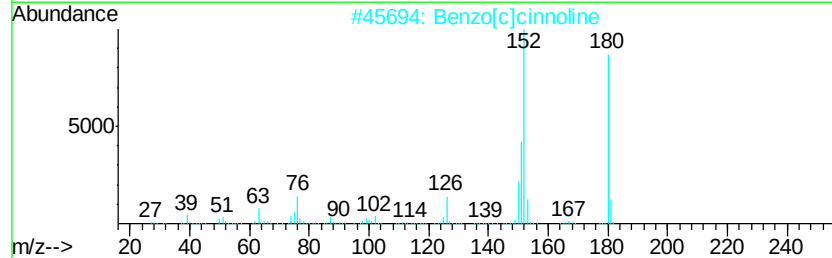
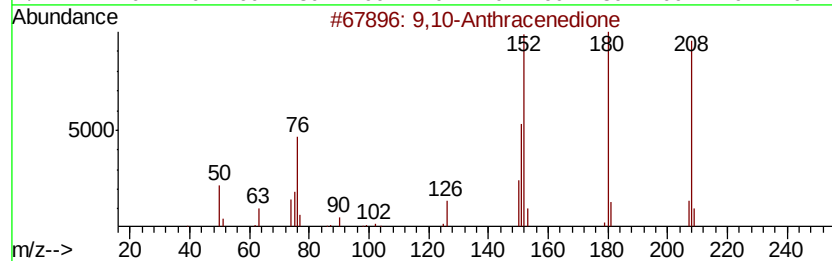
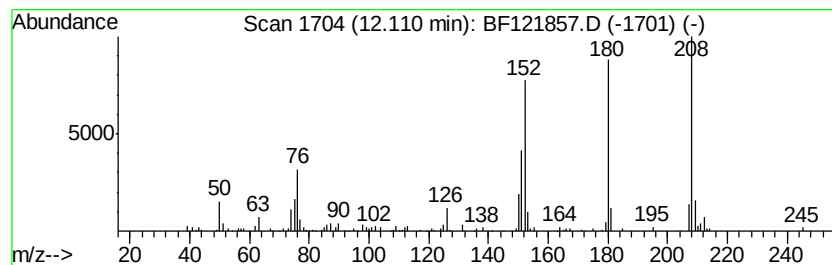
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 3 9,10-Anthracenedione Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.11	2.73 ng	108529	Phenanthrene-d10	11.28

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	9,10-Anthracenedione	208	C14H8O2	000084-65-1	98
2		Benzo[c]cinnoline	180	C12H8N2	000230-17-1	83
3		1H-Phenalen-1-one	180	C13H8O	000548-39-0	53
4		9H-Fluoren-9-one	180	C13H8O	000486-25-9	49
5		1,4-Anthracenedione	208	C14H8O2	000635-12-1	47



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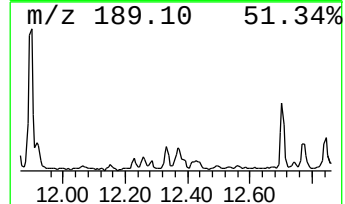
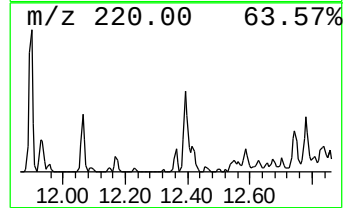
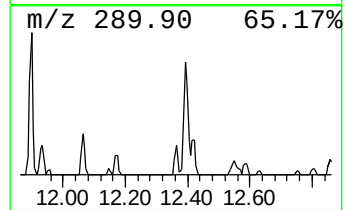
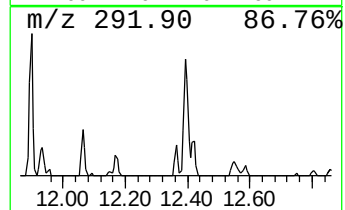
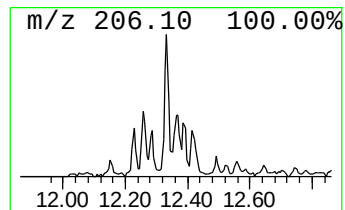
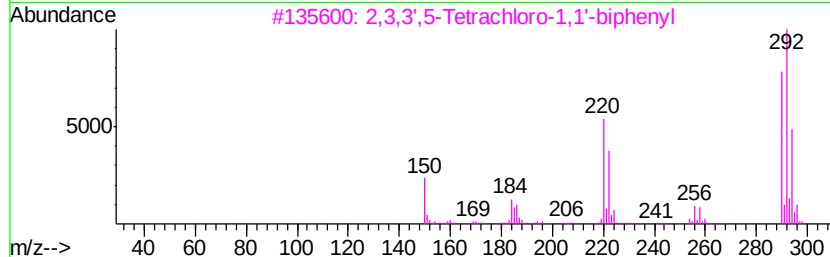
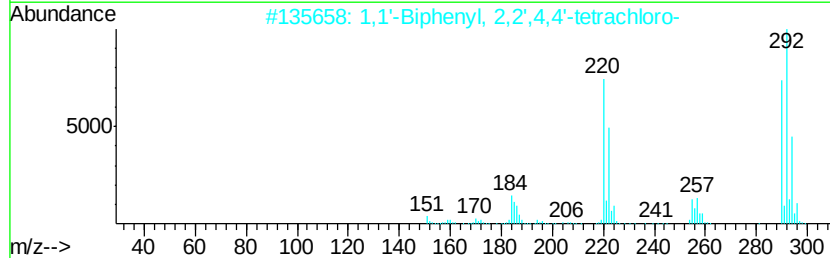
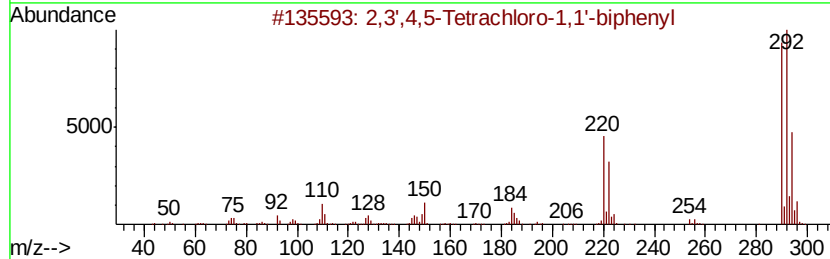
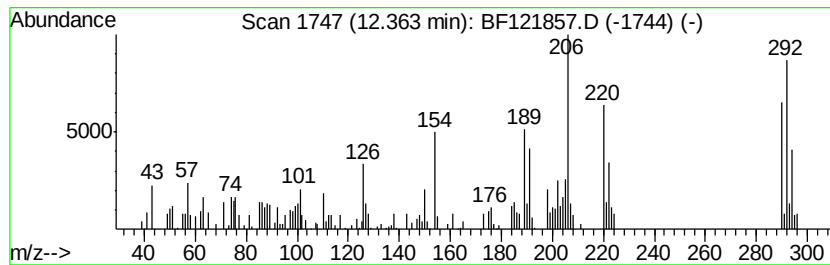
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 4 2,3',4,5-Tetrachloro-1,1'-b... Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.36	2.21 ng	87888	Phenanthrene-d10	11.28

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	2,3',4,5-Tetrachloro-1,1'-biphenyl	290	C12H6Cl4	073575-53-8	97
2		1,1'-Biphenyl, 2,2',4,4'-tetrach...	290	C12H6Cl4	002437-79-8	97
3		2,3,3',5-Tetrachloro-1,1'-biphenyl	290	C12H6Cl4	070424-67-8	97
4		1,1'-Biphenyl, 2,2',3,3'-tetrach...	290	C12H6Cl4	038444-93-8	97
5		2,2',4,5-Tetrachloro-1,1'-biphenyl	290	C12H6Cl4	070362-47-9	97



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF100620\
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Acq On : 6 Oct 2020 17:31
Operator : JU/CG
Sample : L4230-10
Misc :
ALS Vial : 18 Sample Multiplier: 1

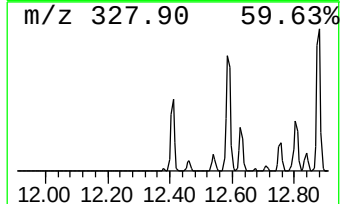
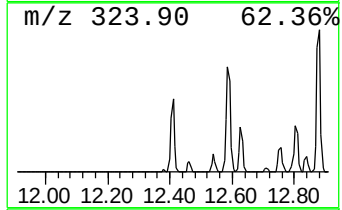
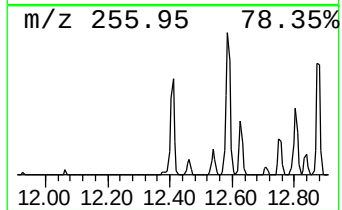
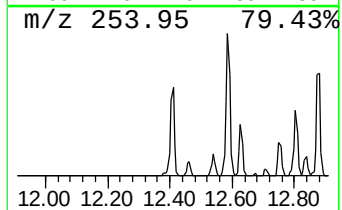
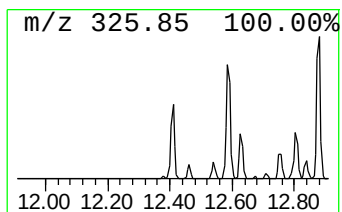
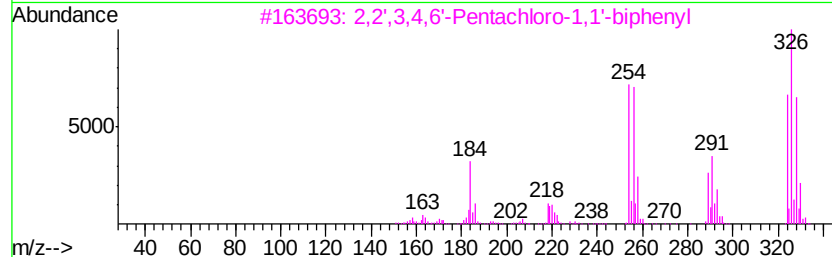
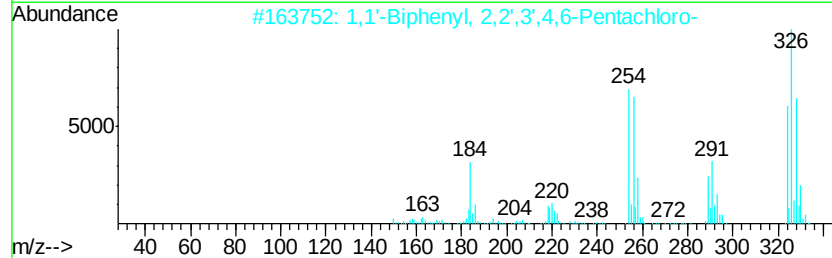
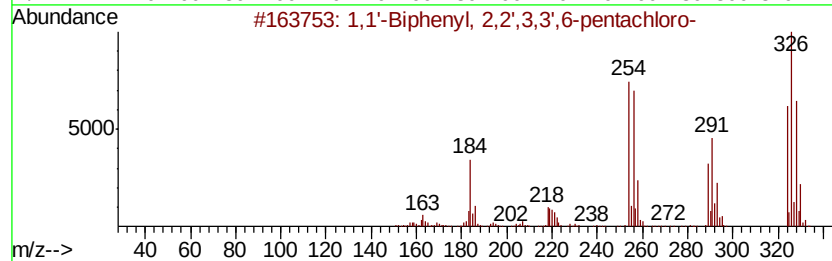
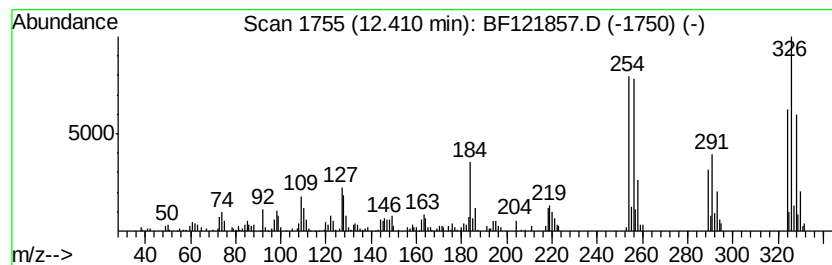
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ClientSampleId :
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF091020.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 5 1,1'-Biphenyl, 2,2',3,3',6-... Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.	
12.41	9.30 ng	369716	Phenanthrene-d10	11.28	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl, 2,2',3,3',6-penta...	324	C12H5Cl5	052663-60-2	99
2	1,1'-Biphenyl, 2,2',3',4,6-Penta...	324	C12H5Cl5	060233-25-2	99
3	2,2',3,4,6'-Pentachloro-1,1'-bip...	324	C12H5Cl5	073575-57-2	99
4	2,2',3,4',6-Pentachloro-1,1'-bip...	324	C12H5Cl5	068194-05-8	99
5	1,1'-Biphenyl, 2,2',3,3',5-penta...	324	C12H5Cl5	060145-20-2	99



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF100620\
Data File : BF121857.D
Acq On : 6 Oct 2020 17:31
Operator : JU/CG
Sample : L4230-10
Misc :
ALS Vial : 18 Sample Multiplier: 1

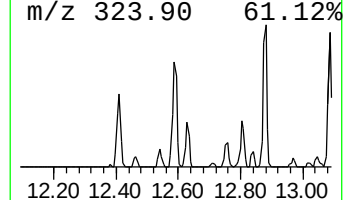
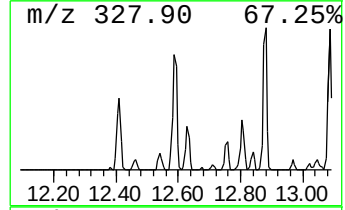
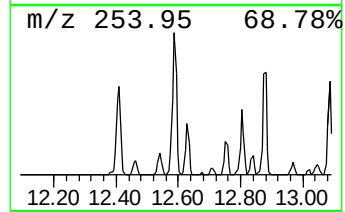
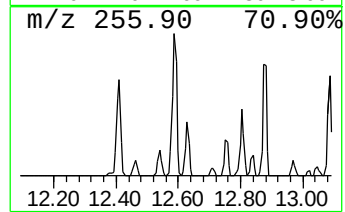
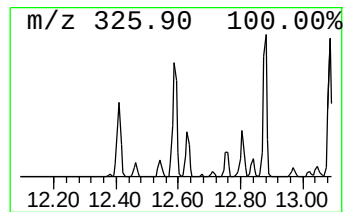
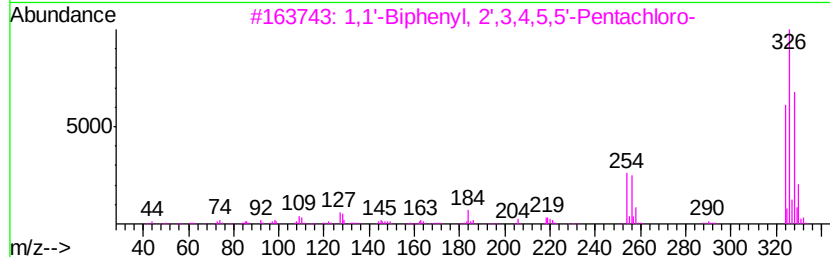
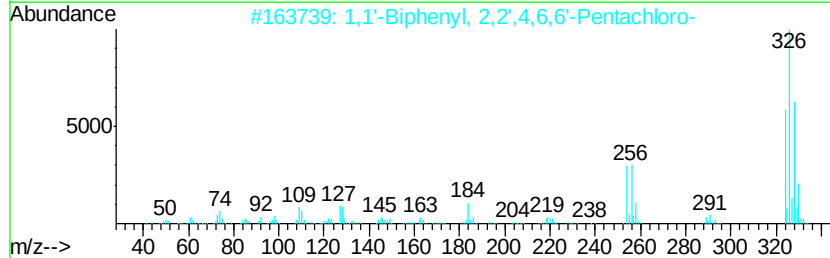
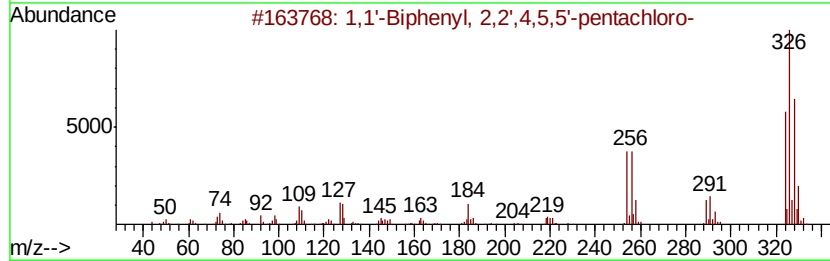
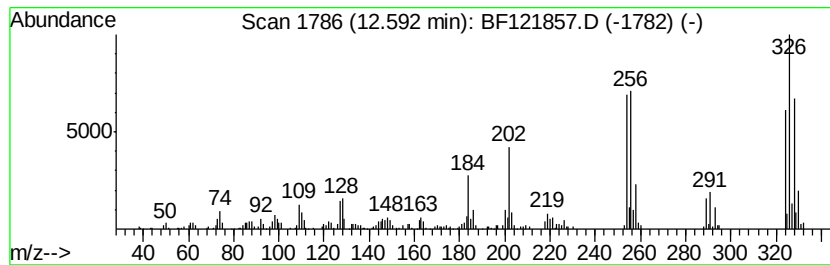
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF091020.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 6 1,1'-Biphenyl, 2,2',4,5,5'-... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD		R.T.
12.59	7.06 ng	280900	Phenanthrene-d10		11.28
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl, 2,2',4,5,5'-penta...	324	C12H5Cl5	037680-73-2	99
2	1,1'-Biphenyl, 2,2',4,6,6'-Penta...	324	C12H5Cl5	056558-16-8	99
3	1,1'-Biphenyl, 2',3,4,5,5'-Penta...	324	C12H5Cl5	070424-70-3	99
4	2,3,3',4,5'-Pentachloro-1,1'-bip...	324	C12H5Cl5	070362-41-3	99
5	1,1'-Biphenyl, 2,3,3',4,4'-penta...	324	C12H5Cl5	032598-14-4	99



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF100620\
Data File : BF121857.D
Acq On : 6 Oct 2020 17:31
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Sample : L4230-10
Misc :
ALS Vial : 18 Sample Multiplier: 1

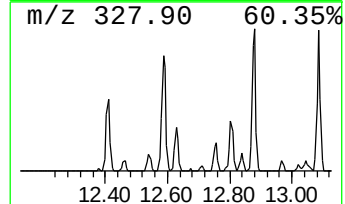
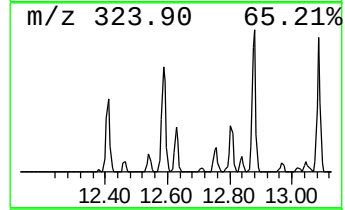
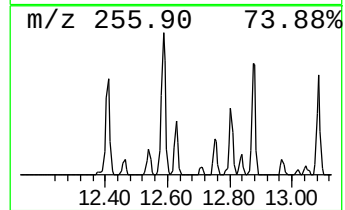
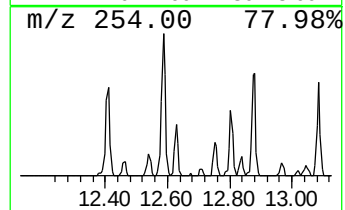
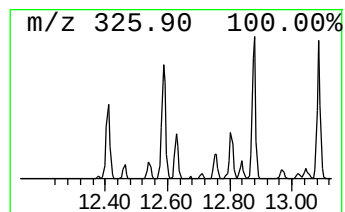
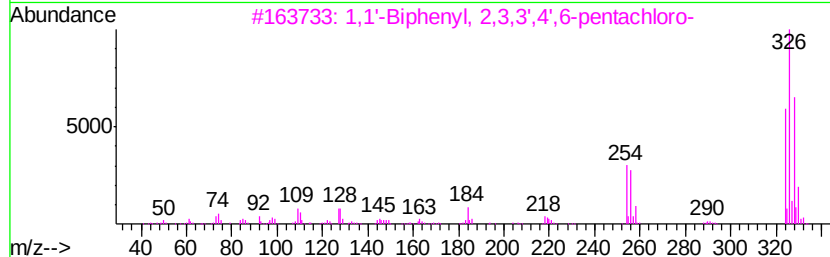
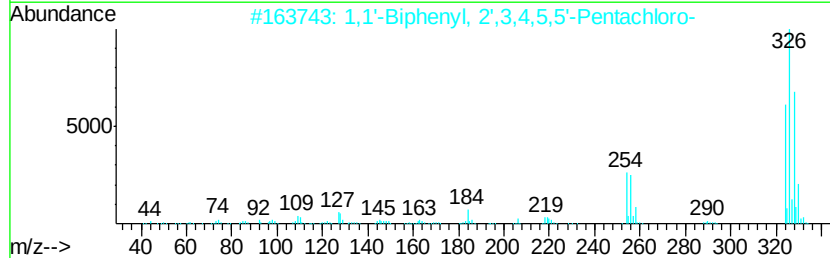
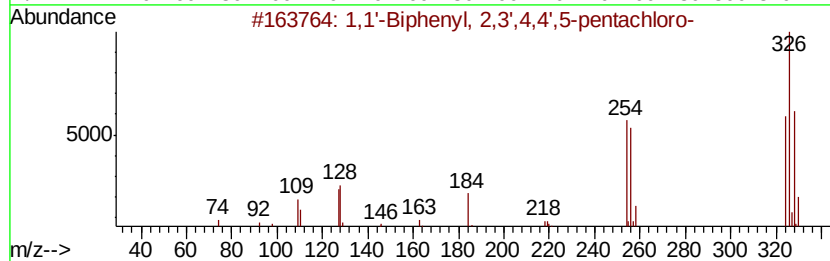
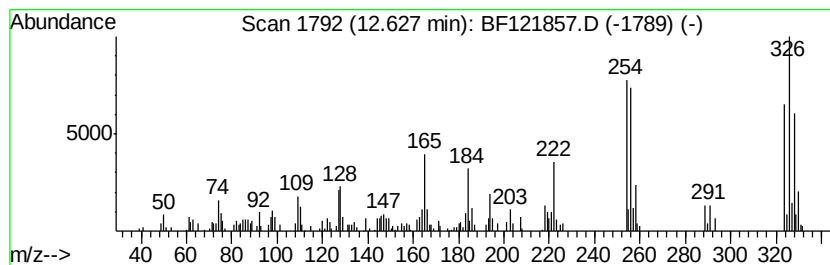
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF091020.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 7 1,1'-Biphenyl, 2,3',4,4',5-... Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.		
12.63	2.40 ng	167337	Chrysene-d12	13.92		
Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl, 2,3',4,4',5-penta...	324	C12H5Cl5	031508-00-6	99	
2	1,1'-Biphenyl, 2',3,4,5,5'-Penta...	324	C12H5Cl5	070424-70-3	99	
3	1,1'-Biphenyl, 2,3,3',4',6-penta...	324	C12H5Cl5	038380-03-9	99	
4	1,1'-Biphenyl, 2,3,3',4,4'-penta...	324	C12H5Cl5	032598-14-4	99	
5	2,3,3',4,5'-Pentachloro-1,1'-bip...	324	C12H5Cl5	070362-41-3	99	



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF100620\
Data File : BF121857.D
Acq On : 6 Oct 2020 17:31
Operator : JU/CG
Sample : L4230-10
Misc :
ALS Vial : 18 Sample Multiplier: 1

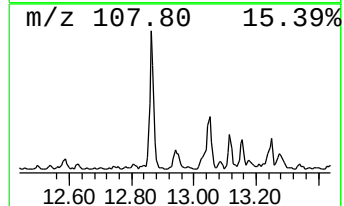
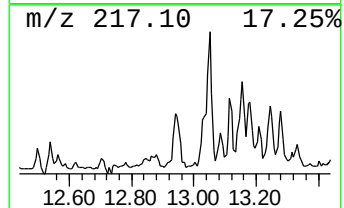
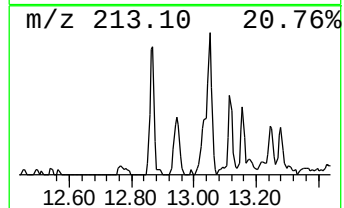
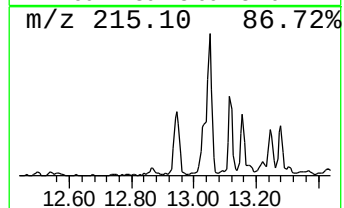
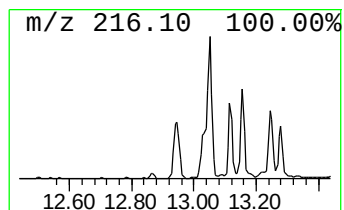
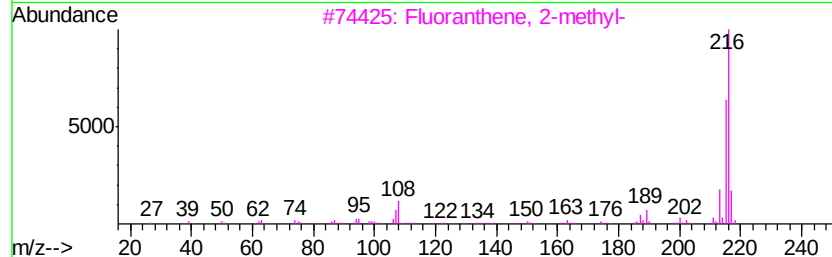
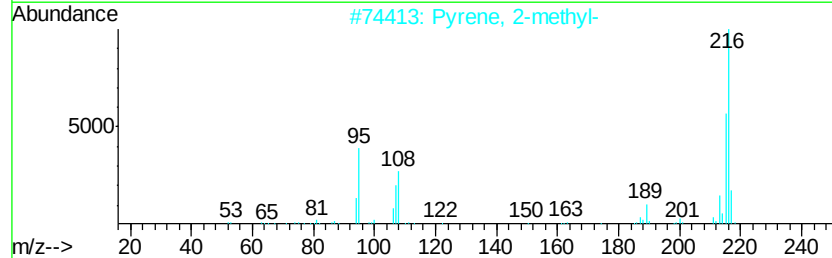
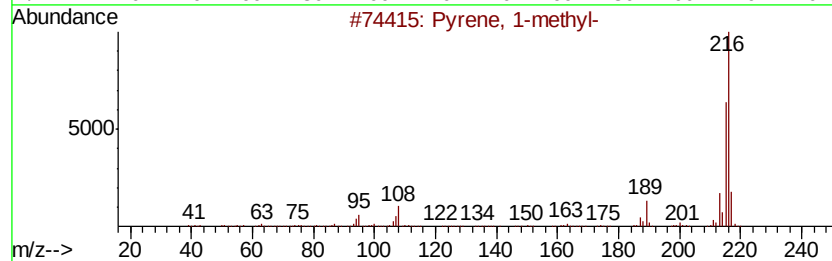
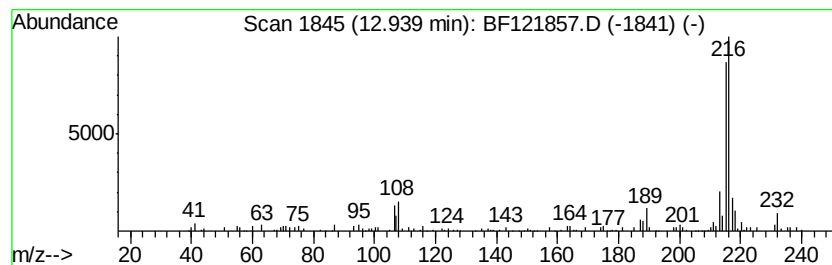
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF091020.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 8 Pyrene, 1-methyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.94	2.00 ng	139491	Chrysene-d12	13.92
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1	Pyrene, 1-methyl-	216 C17H12	002381-21-7	96
2	Pyrene, 2-methyl-	216 C17H12	003442-78-2	93
3	Fluoranthene, 2-methyl-	216 C17H12	033543-31-6	92
4	11H-Benzo[b]fluorene	216 C17H12	000243-17-4	87
5	7H-Benzo[c]fluorene	216 C17H12	000205-12-9	74



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF100620\
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Operator : JU/CG
Sample : L4230-10
Misc :
ALS Vial : 18 Sample Multiplier: 1

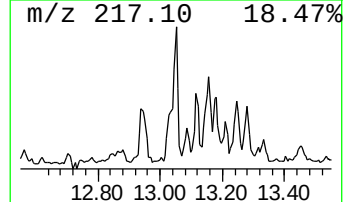
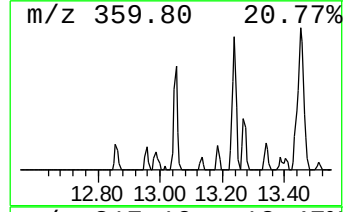
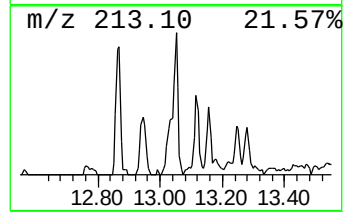
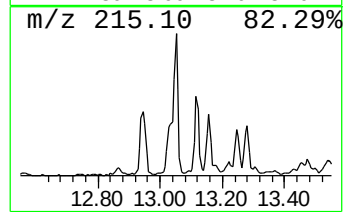
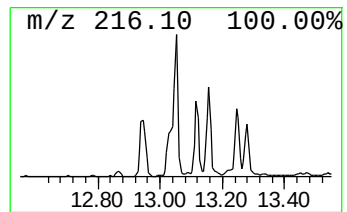
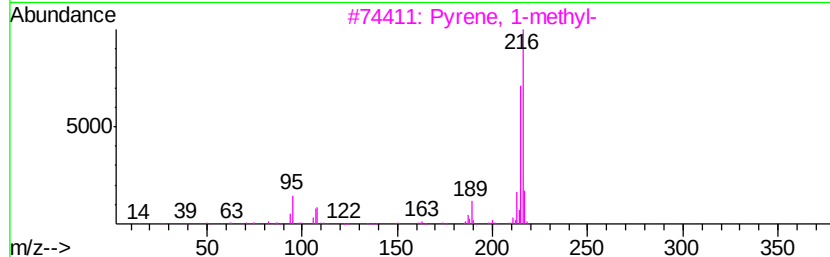
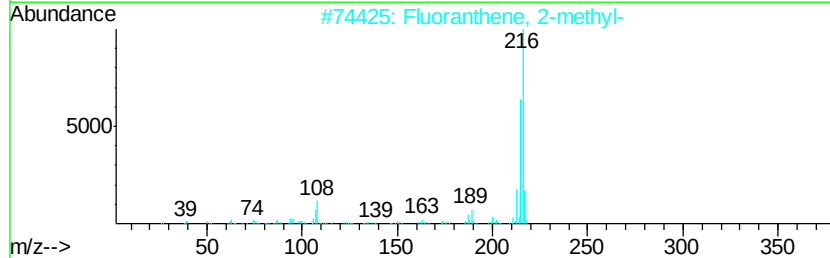
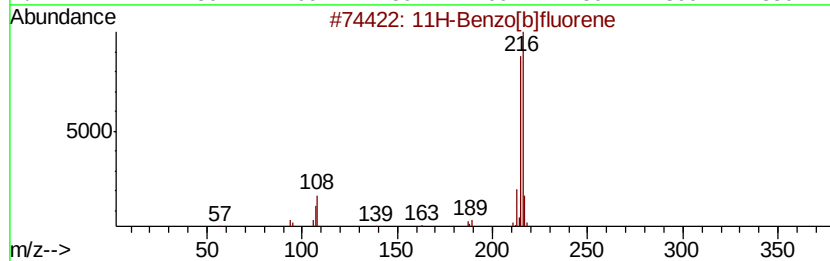
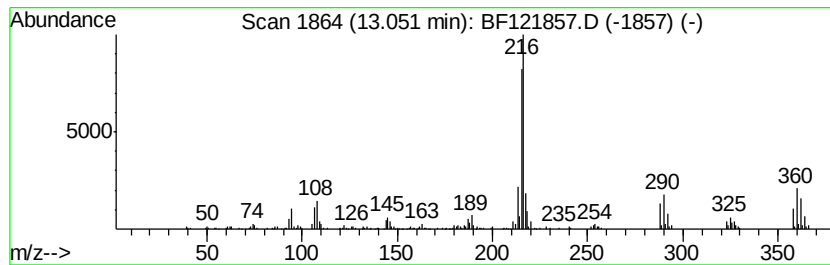
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 9 11H-Benzo[b]fluorene Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.05	4.73 ng	329495	Chrysene-d12	13.92
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1		11H-Benzo[b]fluorene	216 C17H12	000243-17-4 92
2		Fluoranthene, 2-methyl-	216 C17H12	033543-31-6 91
3		Pyrene, 1-methyl-	216 C17H12	002381-21-7 86
4		11H-Benzo[a]fluorene	216 C17H12	000238-84-6 78
5		Pyrene, 2-methyl-	216 C17H12	003442-78-2 70



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF100620\
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Sample : L4230-10
Misc :
ALS Vial : 18 Sample Multiplier: 1

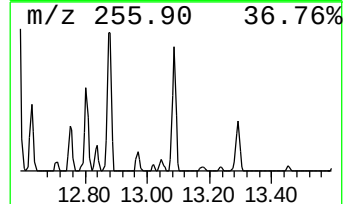
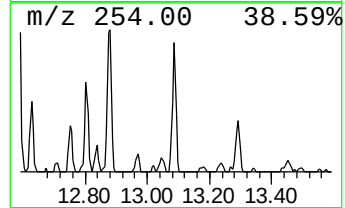
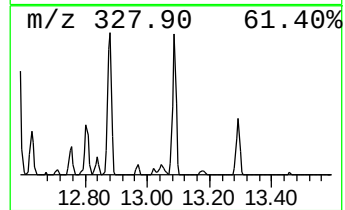
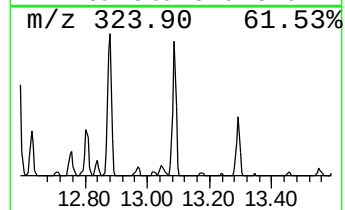
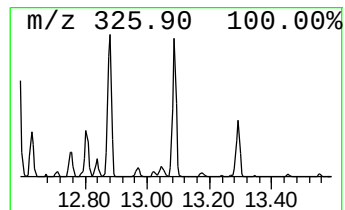
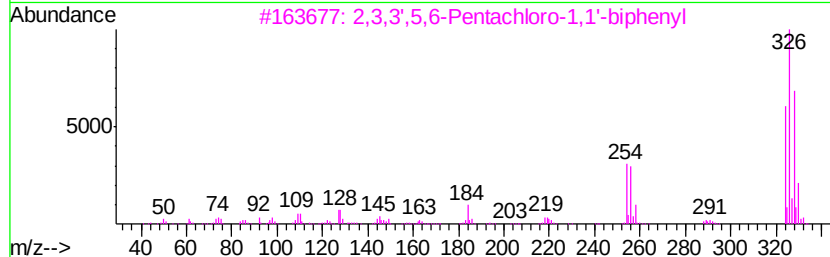
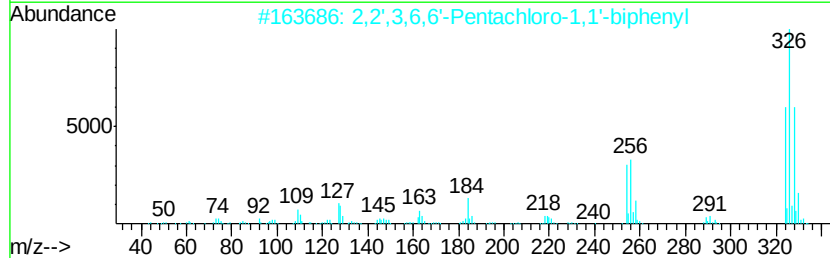
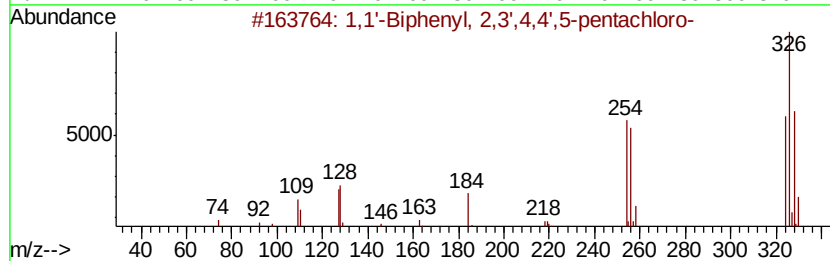
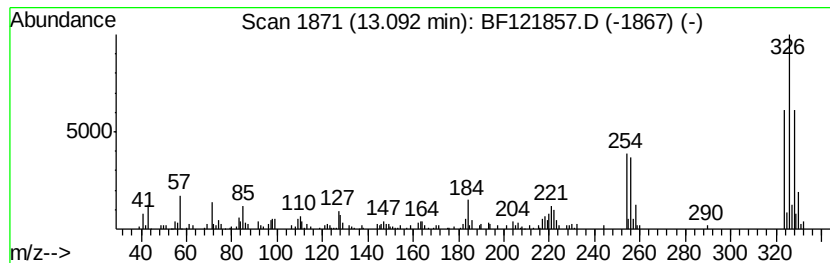
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 10 2,2',3,6,6'-Pentachloro-1,1... Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.	
13.09	3.19 ng	222135	Chrysene-d12	13.92	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl, 2,3',4,4',5-penta...	324	C12H5Cl5	031508-00-6	99
2	2,2',3,6,6'-Pentachloro-1,1'-bip...	324	C12H5Cl5	073575-54-9	99
3	2,3,3',5,6-Pentachloro-1,1'-biph...	324	C12H5Cl5	074472-36-9	99
4	2,3,3',4,5'-Pentachloro-1,1'-bip...	324	C12H5Cl5	070362-41-3	99
5	2,3,3',4',5'- Pentachloro-1,1'-b...	324	C12H5Cl5	076842-07-4	99



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF100620\
Data File : BF121857.D
Acq On : 6 Oct 2020 17:31
Operator : JU/CG
Sample : L4230-10
Misc :
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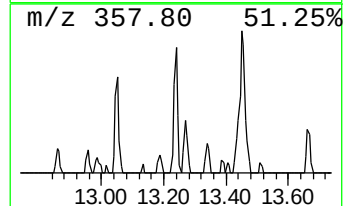
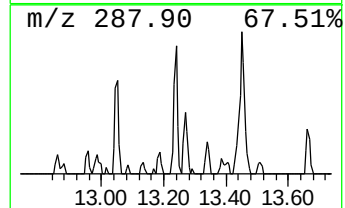
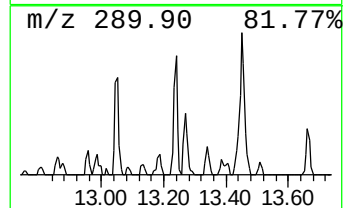
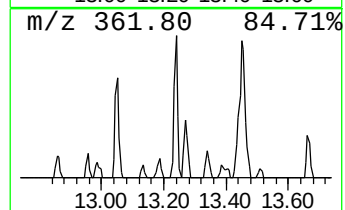
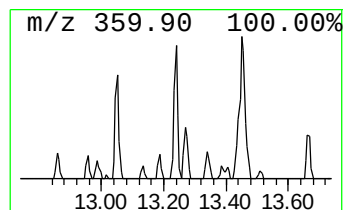
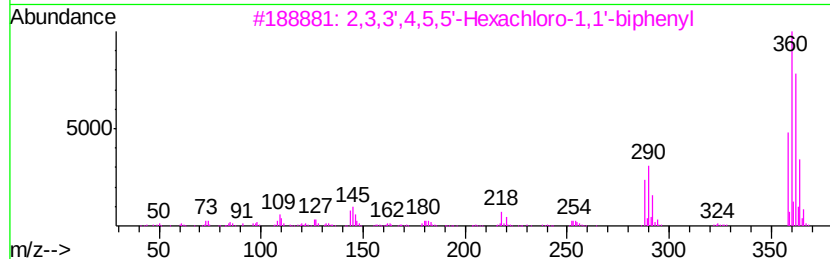
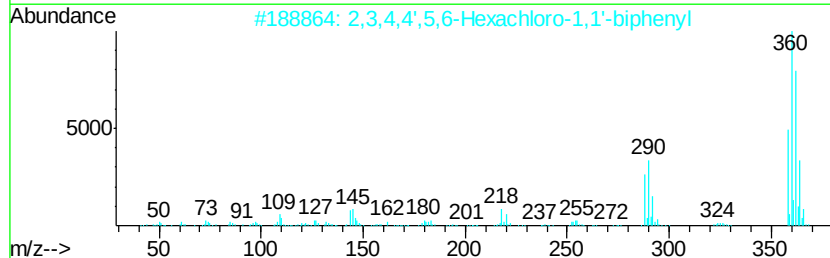
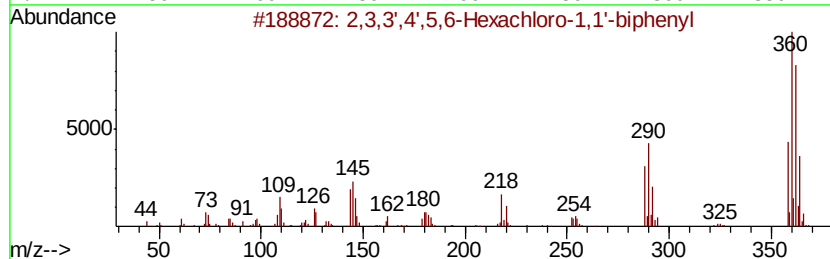
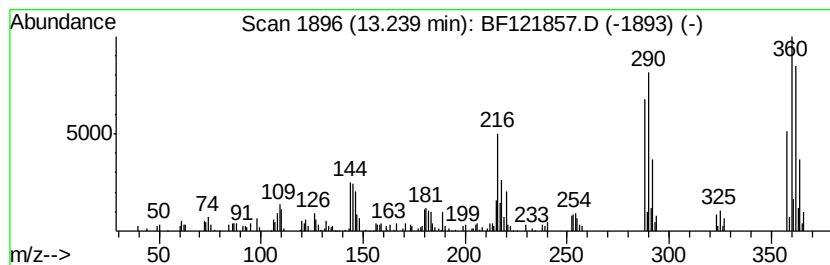
Instrument :
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ClientSampleId :
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF091020.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 11 2,3,3',4',5,6-Hexachloro-1,... Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.		
13.24	2.41 ng	167561	Chrysene-d12	13.92		
Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	2,3,3',4',5,6-Hexachloro-1,1'-bi...	358	C12H4Cl6	074472-44-9	99	
2	2,3,4,4',5,6-Hexachloro-1,1'-bip...	358	C12H4Cl6	041411-63-6	99	
3	2,3,3',4,5,5'-Hexachloro-1,1'-bi...	358	C12H4Cl6	039635-35-3	99	
4	1,1'-Biphenyl, 2,3,3',4,4',5-hex...	358	C12H4Cl6	038380-08-4	99	
5	2,3,3',4,4',6-Hexachloro-1,1'-bi...	358	C12H4Cl6	074472-42-7	99	



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF100620\
Data File : BF121857.D
Acq On : 6 Oct 2020 17:31
Operator : JU/CG
Sample : L4230-10
Misc :
ALS Vial : 18 Sample Multiplier: 1

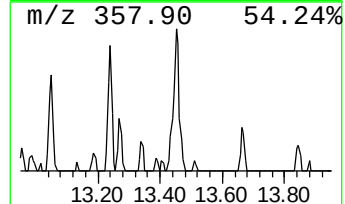
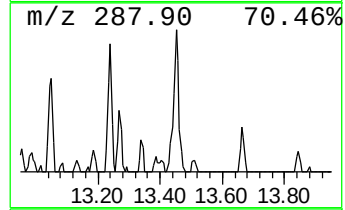
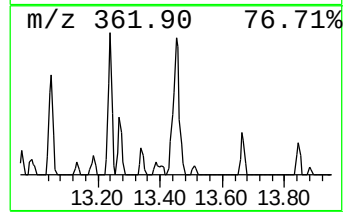
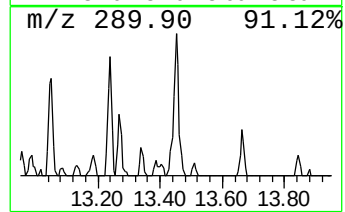
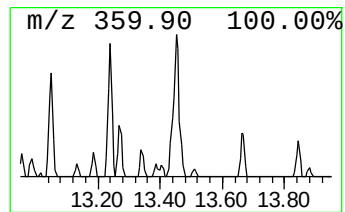
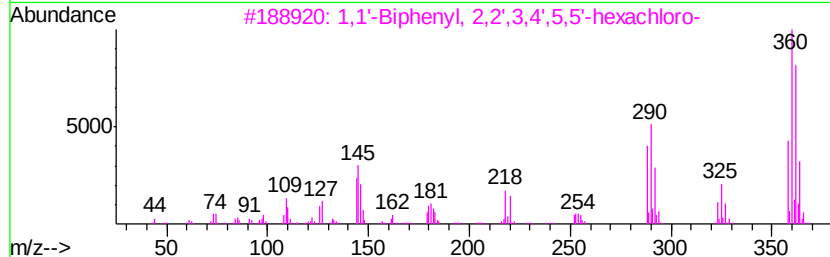
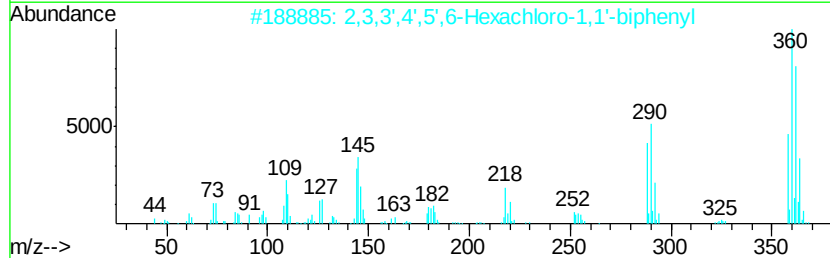
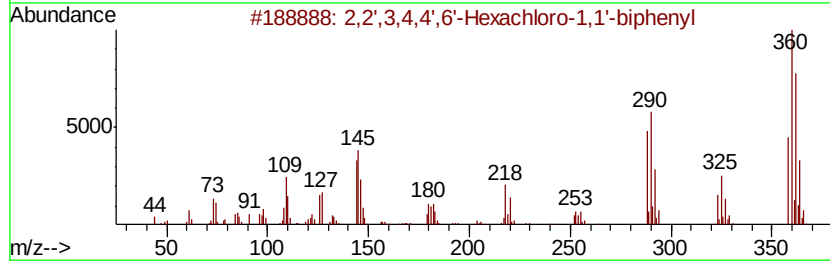
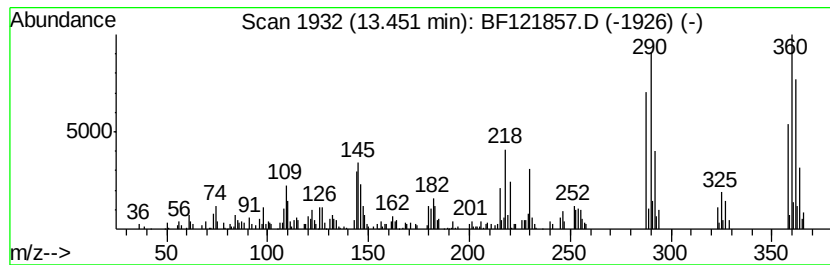
Instrument :
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ClientSampleId :
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF091020.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 12 2,2',3,4,4',6'-Hexachloro-1... Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.		
13.45	4.12 ng	286689	Chrysene-d12	13.92		
Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	2,2',3,4,4',6'-Hexachloro-1,1'-b...	358	C12H4Cl6	059291-64-4	99	
2	2,3,3',4',5',6-Hexachloro-1,1'-b...	358	C12H4Cl6	074472-45-0	99	
3	1,1'-Biphenyl, 2,2',3,4',5,5'-he...	358	C12H4Cl6	051908-16-8	99	
4	1,1'-Biphenyl, 2,2',3,3',4,6-Hex...	358	C12H4Cl6	061798-70-7	99	
5	2,3',4,4',5',6-Hexachloro-1,1'-b...	358	C12H4Cl6	059291-65-5	99	



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF100620\
Data File : BF121857.D
Acq On : 6 Oct 2020 17:31
Operator : JU/CG
Sample : L4230-10
Misc :
ALS Vial : 18 Sample Multiplier: 1

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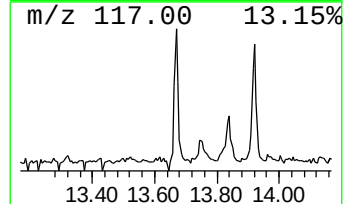
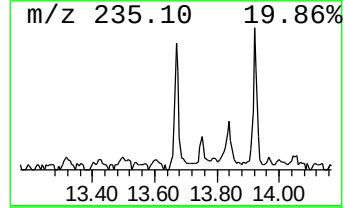
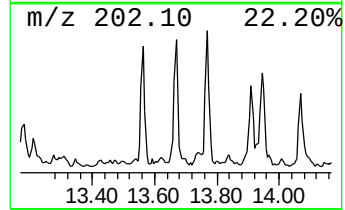
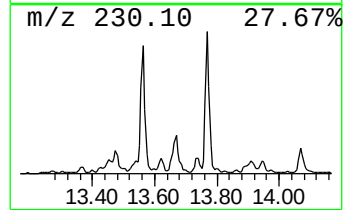
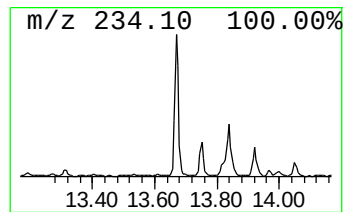
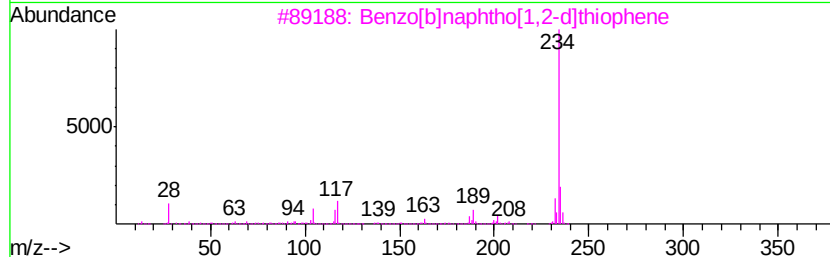
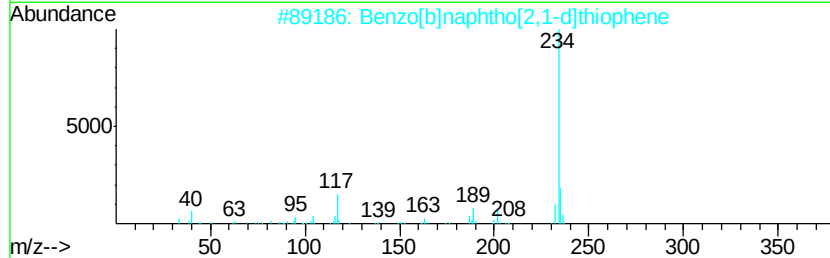
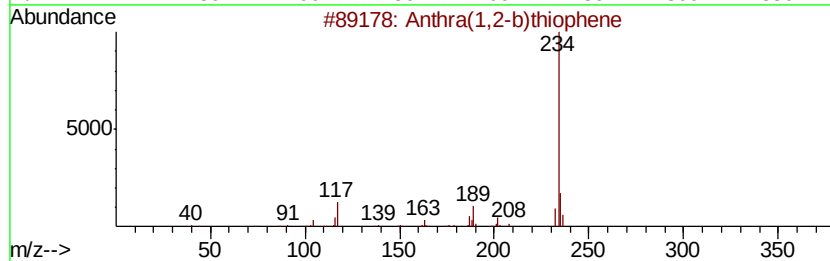
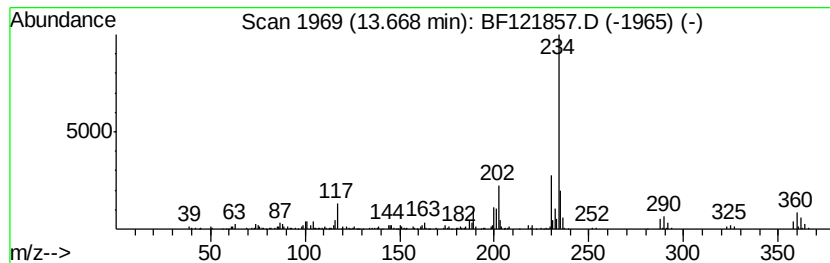
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 13 Anthra(1,2-b)thiophene Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.67	2.85 ng	198608	Chrysene-d12	13.92

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Anthra(1,2-b)thiophene	234	C16H10S	000227-86-1	92
2		Benzo[b]naphtho[2,1-d]thiophene	234	C16H10S	000239-35-0	83
3		Benzo[b]naphtho[1,2-d]thiophene	234	C16H10S	000205-43-6	78
4		Benzo[b]naphtho[2,3-d]thiophene	234	C16H10S	000243-46-9	78
5		Benz[a]anthracene, 1,4,7,8,11,12...	234	C18H18	016434-61-0	40



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF100620\
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Acq On : 6 Oct 2020 17:31
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Sample : L4230-10
Misc :
ALS Vial : 18 Sample Multiplier: 1

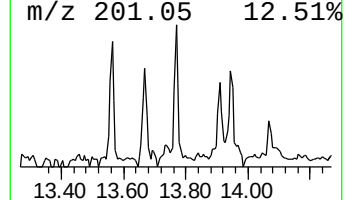
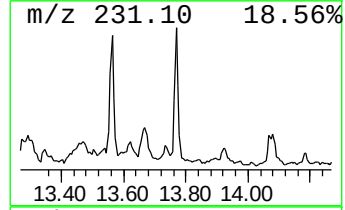
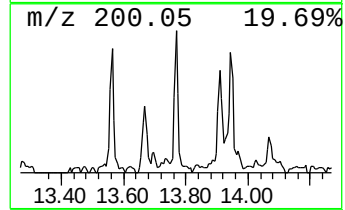
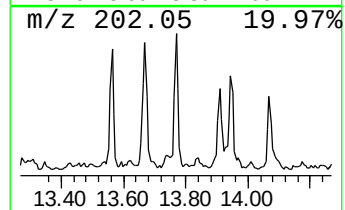
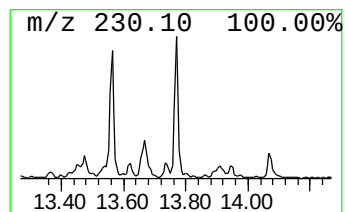
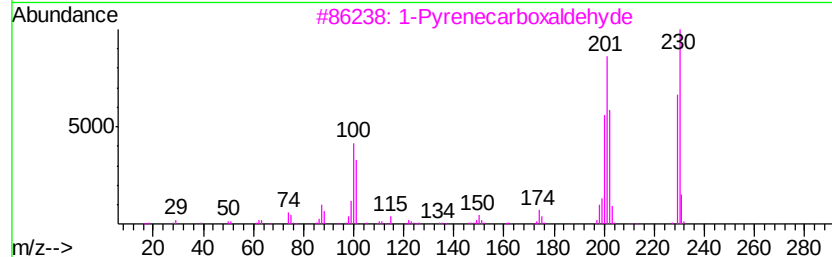
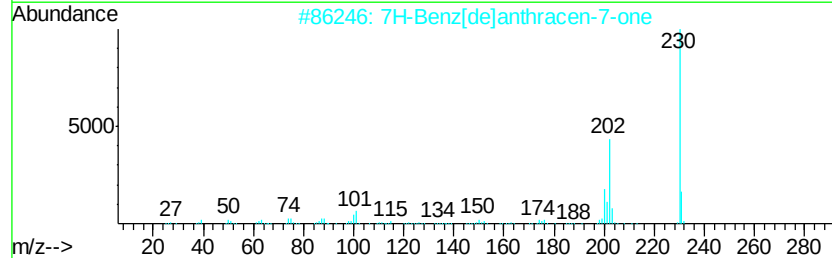
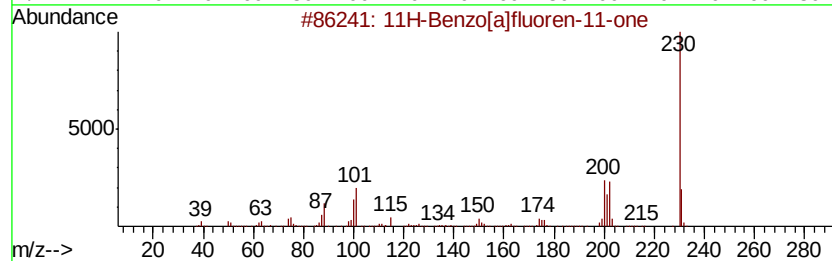
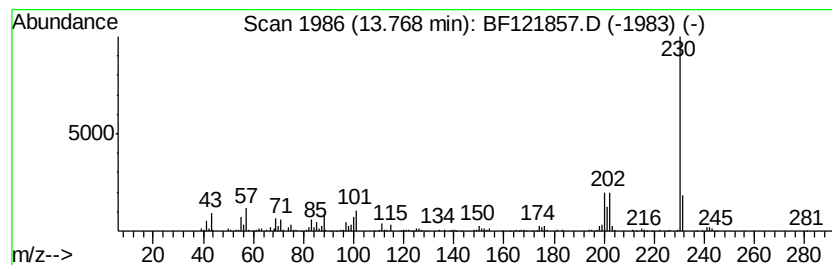
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ClientSampleId :
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 14 11H-Benzo[a]fluoren-11-one Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.	
13.77	5.45 ng	379492	Chrysene-d12	13.92	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[a]fluoren-11-one	230	C17H10O	000479-79-8	92
2	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	78
3	1-Pyrenecarboxaldehyde	230	C17H10O	003029-19-4	47
4	4-Methoxy-2-(p-methoxyphenyl)-6-...	230	C13H14N2O2	063896-93-5	43
5	2-Chloro-9-xanthenone	230	C13H7ClO2	013210-15-6	38



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF100620\
Data File : BF121857.D
Acq On : 6 Oct 2020 17:31
Operator : JU/CG
Sample : L4230-10
Misc :
ALS Vial : 18 Sample Multiplier: 1

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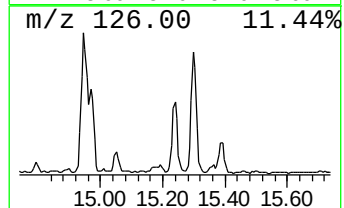
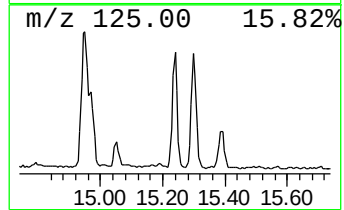
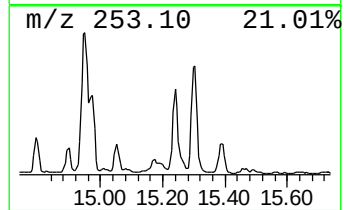
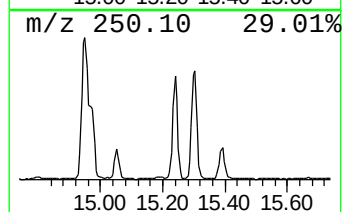
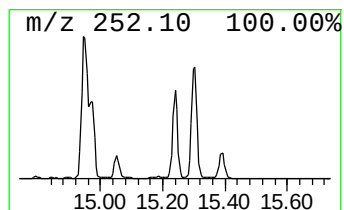
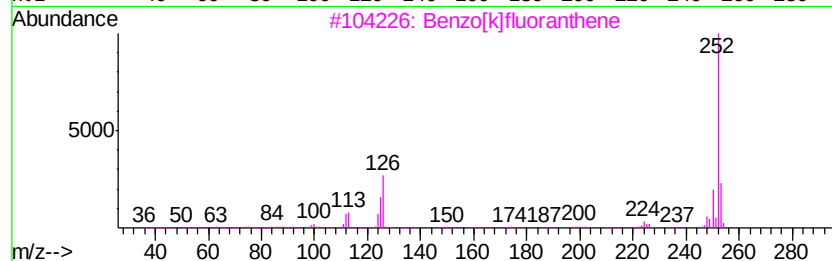
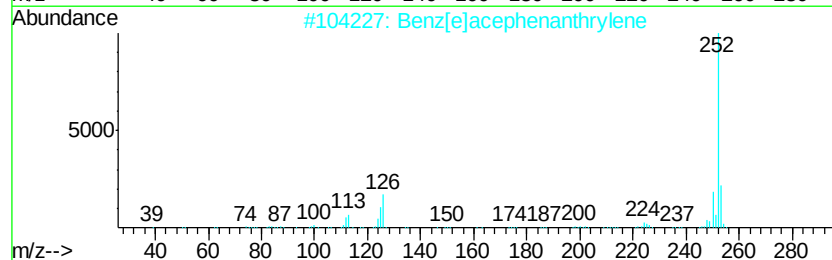
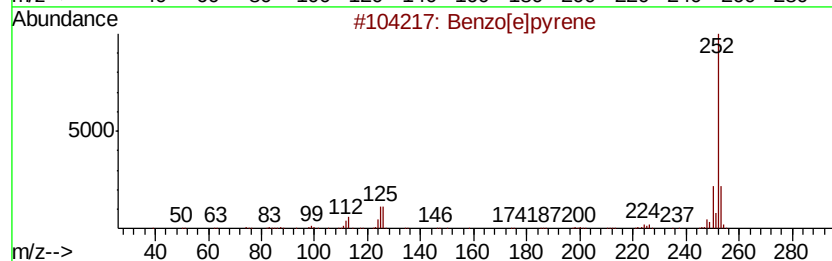
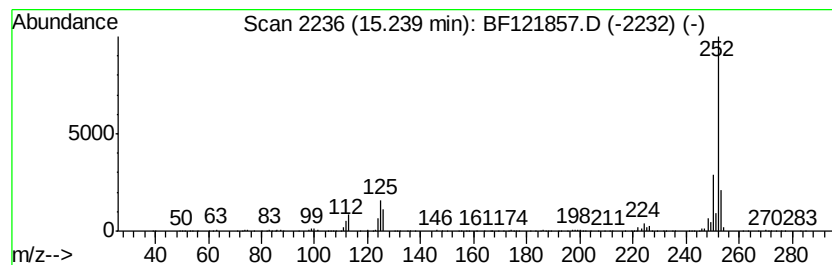
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 16 Benzo[e]pyrene Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.24	10.06 ng	400761	Perylene-d12	15.36

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzo[e]pyrene	252	C20H12	000192-97-2	99
2			Benzo[e]acephenanthrylene	252	C20H12	000205-99-2	96
3			Benzo[k]fluoranthene	252	C20H12	000207-08-9	93
4			Benzo[i]fluoranthene	252	C20H12	000205-82-3	93
5			Benzo[a]pyrene	252	C20H12	000050-32-8	90



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF100620\
Data File : BF121857.D
Acq On : 6 Oct 2020 17:31
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Sample : L4230-10
Misc :
ALS Vial : 18 Sample Multiplier: 1

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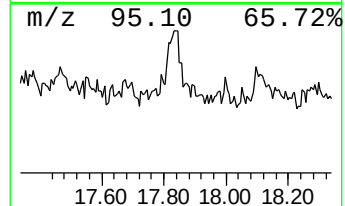
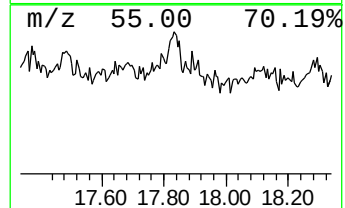
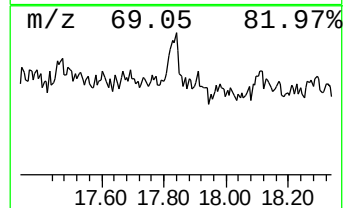
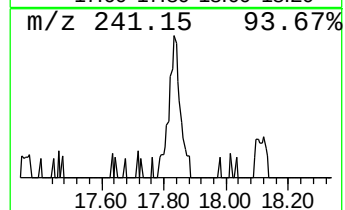
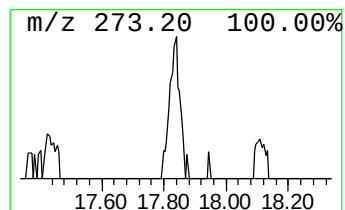
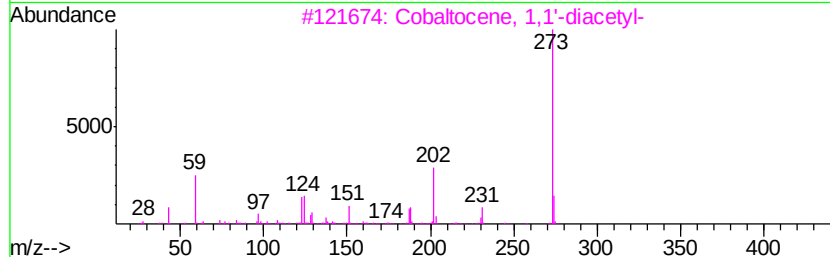
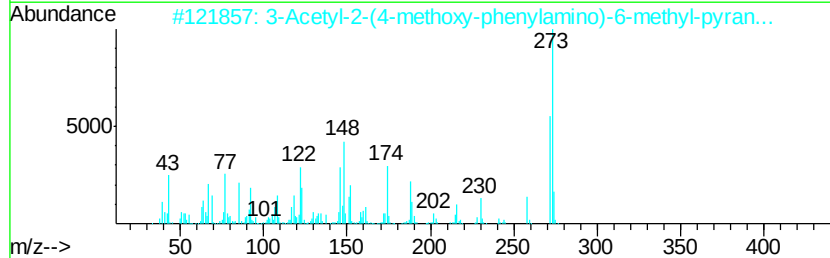
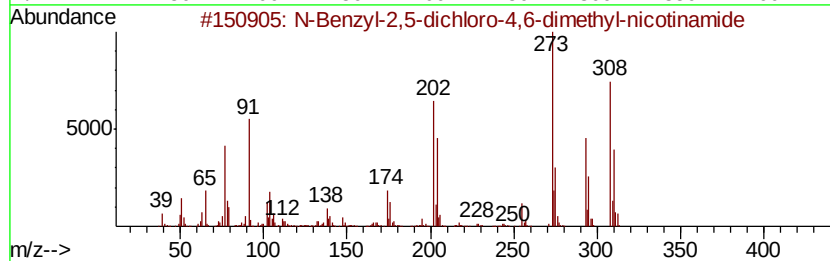
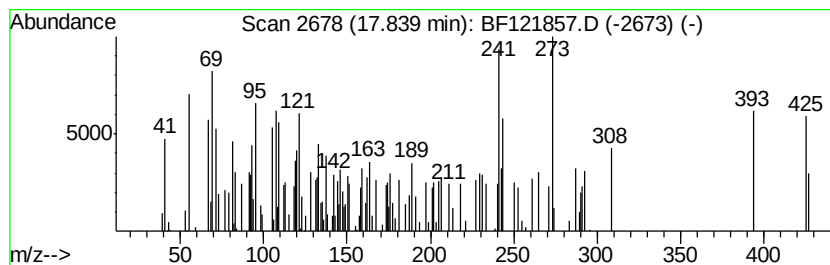
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 17 unknown17.84 Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.84	3.36 ng	133739	Perylene-d12	15.36

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	N-Benzyl-2,5-dichloro-4,6-dimeth...	308	C15H14Cl2N2O	1000301-18-9	11
2		3-Acetyl-2-(4-methoxy-phenylamin...	273	C15H15NO4	1000300-68-2	11
3		Cobaltocene, 1,1'-diacetyl-	273	C14H14CoO2	073249-54-4	10
4		Phenol, 4-(6-methyl-1,3-benzothi...	241	C14H11NOS	1000338-31-9	10
5		7-Hydroxyloxapine	343	C18H18ClN3O2	037081-75-7	10



Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF100620\
 Data File : BF121857.D
 Acq On : 6 Oct 2020 17:31
 Operator : JU/CG
 Sample : L4230-10
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
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 ClientSampleId :
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF091020.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
Anthracene, 2-met...	11.81	2.7 ng		108999	4	11.28	795247	20.0
1,1'-Biphenyl, 2,...	11.89	7.0 ng		276574	4	11.28	795247	20.0
9,10-Anthracenedione	12.11	2.7 ng		108529	4	11.28	795247	20.0
2,3',4,5-Tetrachl...	12.36	2.2 ng		87888	4	11.28	795247	20.0
1,1'-Biphenyl, 2,...	12.41	9.3 ng		369716	4	11.28	795247	20.0
1,1'-Biphenyl, 2,...	12.59	7.1 ng		280900	4	11.28	795247	20.0
1,1'-Biphenyl, 2,...	12.63	2.4 ng		167337	5	13.92	1392670	20.0
Pyrene, 1-methyl-	12.94	2.0 ng		139491	5	13.92	1392670	20.0
11H-Benzo[b]fluorene	13.05	4.7 ng		329495	5	13.92	1392670	20.0
2,2',3,6,6'-Penta...	13.09	3.2 ng		222135	5	13.92	1392670	20.0
2,3,3',4',5,6-Hex...	13.24	2.4 ng		167561	5	13.92	1392670	20.0
2,2',3,4,4',6'-He...	13.45	4.1 ng		286689	5	13.92	1392670	20.0
Anthra(1,2-b)thio...	13.67	2.9 ng		198608	5	13.92	1392670	20.0
11H-Benzo[a]fluor...	13.77	5.5 ng		379492	5	13.92	1392670	20.0
Benzo[e]pyrene	15.24	10.1 ng		400761	6	15.36	796494	20.0
unknown17.84	17.84	3.4 ng		133739	6	15.36	796494	20.0