

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF082119\
 Data File : BF116462.D
 Acq On : 21 Aug 2019 13:41
 Operator : HP/JU
 Sample : K4421-09 5X
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SUNSET-PARK-SB-3-COMP

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-BF073019.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	5.440	567	570	601	rBV	101436	263895	23.61%	1.700%
2	6.457	740	743	761	rBV	156509	326722	29.23%	2.105%
3	6.581	761	764	777	rVB	264554	354738	31.74%	2.286%
4	6.793	797	800	811	rBV	482455	473036	42.32%	3.048%
5	6.951	824	827	842	rBV	255940	273030	24.43%	1.759%
6	7.369	895	898	917	rBV	106287	194599	17.41%	1.254%
7	8.075	1015	1018	1040	rVB	700111	691915	61.91%	4.458%
8	8.798	1138	1141	1151	rVB	23271	28376	2.54%	0.183%
9	8.892	1154	1157	1167	rBV	25555	29844	2.67%	0.192%
10	9.145	1197	1200	1211	rBV	511853	433737	38.81%	2.795%
11	9.257	1216	1219	1224	rVB	11815	13841	1.24%	0.089%
12	9.422	1243	1247	1255	rVB2	12755	19816	1.77%	0.128%
13	9.492	1255	1259	1262	rBV	25868	30835	2.76%	0.199%
14	9.545	1266	1268	1276	rVV	61651	55422	4.96%	0.357%
15	9.610	1276	1279	1287	rVV3	11440	20234	1.81%	0.130%
16	9.828	1312	1316	1319	rBV	957303	785323	70.26%	5.060%
17	9.857	1319	1321	1327	rVB	209858	202364	18.11%	1.304%
18	9.934	1330	1334	1339	rVB2	9947	13999	1.25%	0.090%
19	9.986	1339	1343	1346	rBV	21625	21098	1.89%	0.136%
20	10.039	1346	1352	1356	rBV	105763	106735	9.55%	0.688%
21	10.239	1381	1386	1387	rBV3	13202	17983	1.61%	0.116%
22	10.381	1406	1410	1416	rBV	159716	165757	14.83%	1.068%
23	10.445	1416	1421	1422	rBV2	21837	26259	2.35%	0.169%
24	10.463	1422	1424	1427	rVB2	25978	21784	1.95%	0.140%
25	10.539	1434	1437	1444	rVB	38781	39386	3.52%	0.254%
26	10.622	1448	1451	1457	rBV2	211305	257816	23.07%	1.661%
27	10.663	1457	1458	1465	rVB	18384	20258	1.81%	0.131%
28	10.722	1465	1468	1470	rBV3	17241	19358	1.73%	0.125%
29	10.928	1495	1503	1506	rBV3	35797	55334	4.95%	0.357%
30	11.010	1515	1517	1519	rVB2	18432	13755	1.23%	0.089%
31	11.051	1519	1524	1526	rBV2	22799	29405	2.63%	0.189%
32	11.169	1541	1544	1547	rBV2	58899	57489	5.14%	0.370%
33	11.216	1547	1552	1558	rVB	82538	88343	7.90%	0.569%
34	11.316	1565	1569	1571	rBV	999310	832390	74.48%	5.364%

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 Integrator: RTE
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 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	11.339	1571	1573	1578	rVV	1396040	1117661	100.00%	7.202%
36	11.392	1578	1582	1588	rVV	319767	316314	28.30%	2.038%
37	11.439	1588	1590	1594	rVB	19794	25116	2.25%	0.162%
38	11.557	1606	1610	1615	rBV2	129453	145841	13.05%	0.940%
39	11.598	1615	1617	1620	rVB2	23938	25996	2.33%	0.168%
40	11.645	1620	1625	1627	rBV3	19927	26210	2.35%	0.169%
41	11.728	1637	1639	1645	rBV3	16880	23471	2.10%	0.151%
42	11.816	1651	1654	1657	rBV	109313	108274	9.69%	0.698%
43	11.845	1657	1659	1665	rVB	143302	154427	13.82%	0.995%
44	11.898	1665	1668	1670	rBV	63458	55429	4.96%	0.357%
45	11.933	1670	1674	1676	rVV	156184	178494	15.97%	1.150%
46	11.951	1676	1677	1683	rVB	68946	59261	5.30%	0.382%
47	12.004	1683	1686	1690	rBV3	27015	35086	3.14%	0.226%
48	12.110	1702	1704	1709	rBV	88800	76848	6.88%	0.495%
49	12.163	1709	1713	1715	rBV3	35766	37730	3.38%	0.243%
50	12.263	1725	1730	1732	rBV3	22439	28623	2.56%	0.184%
51	12.292	1732	1735	1737	rBV2	30796	25949	2.32%	0.167%
52	12.322	1737	1740	1742	rVB3	19883	19895	1.78%	0.128%
53	12.369	1744	1748	1750	rBV	74304	76227	6.82%	0.491%
54	12.386	1750	1751	1753	rVV2	37130	30682	2.75%	0.198%
55	12.427	1756	1758	1760	rVB	26588	19960	1.79%	0.129%
56	12.451	1760	1762	1763	rBV	23521	18482	1.65%	0.119%
57	12.533	1772	1776	1780	rBV	931248	887121	79.37%	5.716%
58	12.686	1798	1802	1804	rBV	70907	71226	6.37%	0.459%
59	12.763	1808	1815	1820	rVV	766263	920706	82.38%	5.933%
60	12.816	1821	1824	1827	rVB2	51871	53717	4.81%	0.346%
61	12.892	1831	1837	1840	rBV	580972	537801	48.12%	3.465%
62	12.933	1842	1844	1848	rVB	34994	37915	3.39%	0.244%
63	12.986	1848	1853	1857	rBV3	51350	98104	8.78%	0.632%
64	13.022	1857	1859	1863	rBV	27723	35155	3.15%	0.227%
65	13.092	1864	1871	1873	rBV	100921	146335	13.09%	0.943%
66	13.116	1873	1875	1877	rVB	41274	28397	2.54%	0.183%
67	13.157	1879	1882	1884	rVB	79060	65316	5.84%	0.421%
68	13.192	1885	1888	1892	rBV3	58934	96932	8.67%	0.625%
69	13.286	1902	1904	1907	rBV	34240	31337	2.80%	0.202%
70	13.322	1907	1910	1915	rBV3	51430	90886	8.13%	0.586%
71	13.457	1930	1933	1937	rBV2	75368	86618	7.75%	0.558%

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Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

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72	13.769	1983	1986	1987	rBV	57001	64490	5.77%	0.416%
73	13.786	1987	1989	1992	rVB2	94354	85000	7.61%	0.548%
74	13.957	2014	2018	2021	rBV2	806939	1031496	92.29%	6.647%
75	13.986	2021	2023	2026	rVB	296241	265039	23.71%	1.708%
76	14.069	2035	2037	2039	rBV	62420	52168	4.67%	0.336%
77	14.098	2040	2042	2045	rVV	109998	106657	9.54%	0.687%
78	14.404	2092	2094	2099	rVB	166738	139080	12.44%	0.896%
79	14.704	2142	2145	2148	rVB	231162	205861	18.42%	1.326%
80	15.004	2193	2196	2198	rBV	166754	239976	21.47%	1.546%
81	15.027	2198	2200	2204	rVB	333572	324245	29.01%	2.089%
82	15.363	2255	2257	2259	rBV	140397	139796	12.51%	0.901%
83	15.392	2259	2262	2264	rVV	255971	294608	26.36%	1.898%
84	15.421	2264	2267	2272	rVB	442739	508392	45.49%	3.276%
85	15.810	2330	2333	2337	rVB	220778	283910	25.40%	1.829%

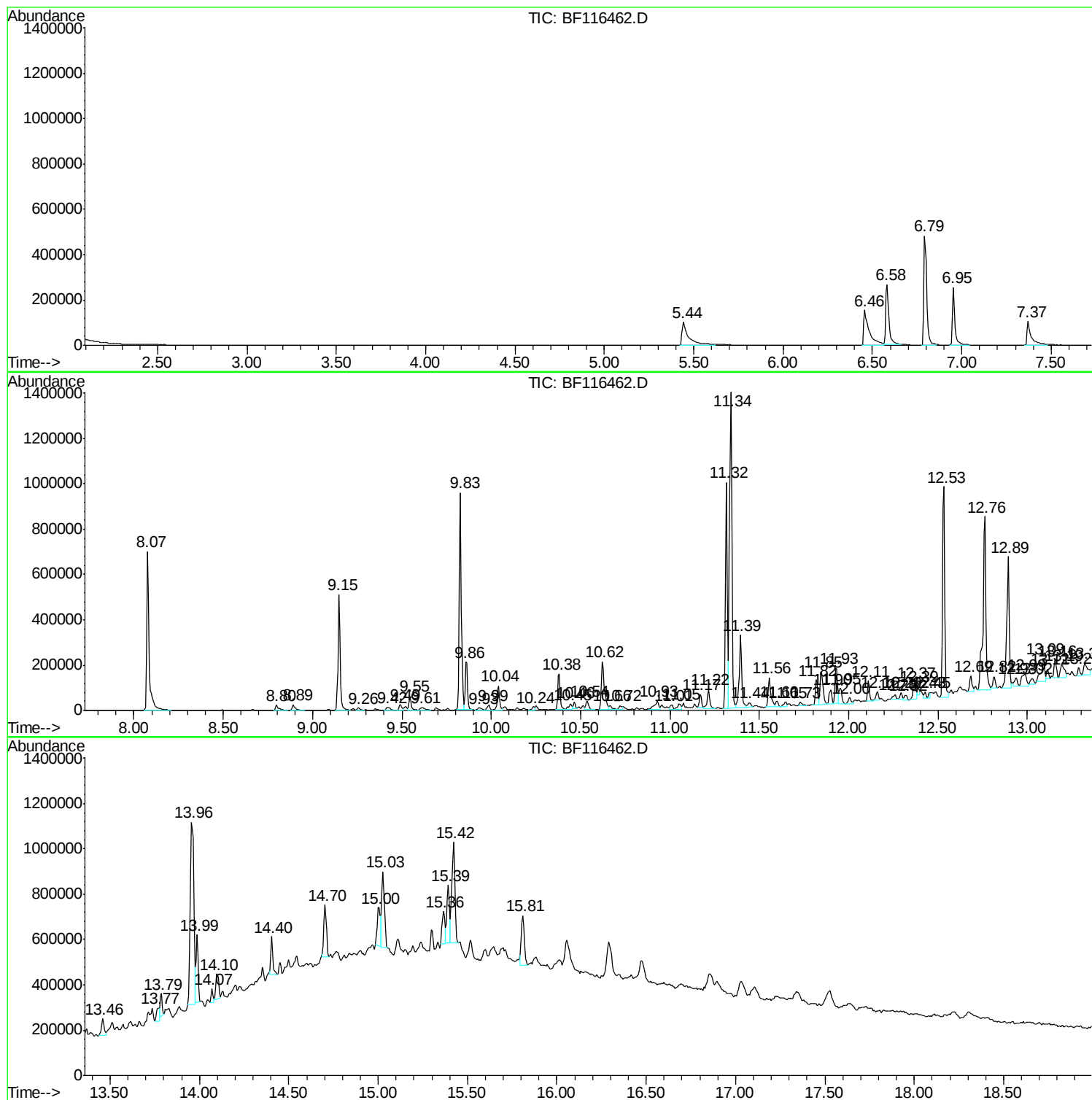
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF073019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



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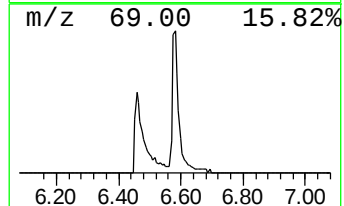
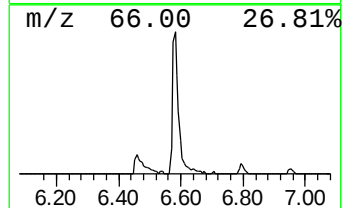
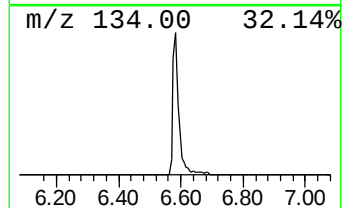
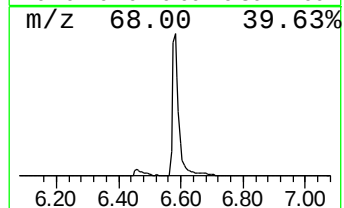
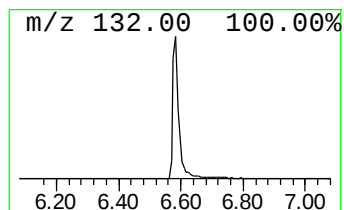
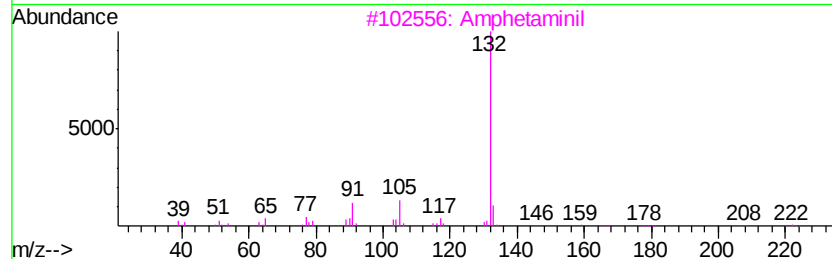
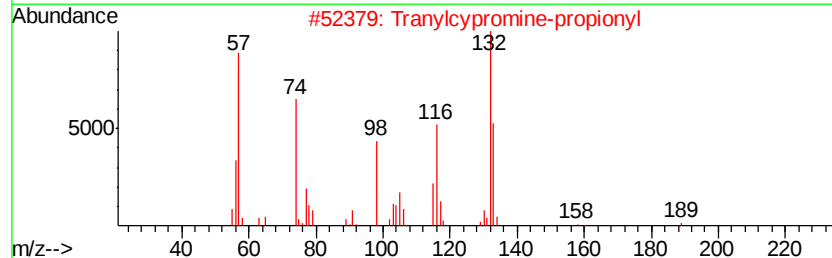
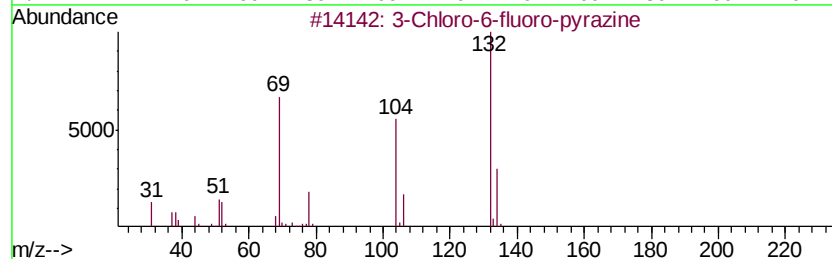
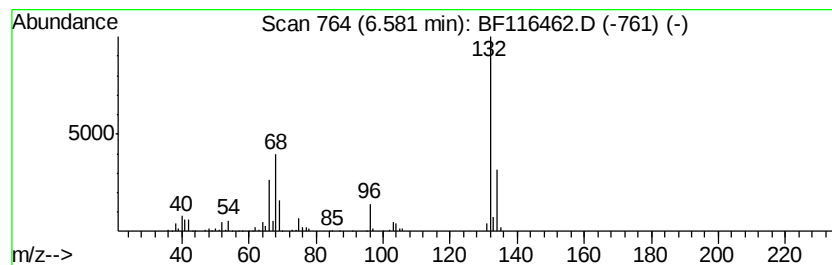
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF073019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 1 unknown6.58 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.58	15.00 ng	354738	1,4-Dichlorobenzene-d4	6.79

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	27
2		Tranylcypromine-propionyl	189	C12H15NO	1000123-86-3	12
3		Amphetaminil	250	C17H18N2	017590-01-1	10
4		Benzene, 1-ethenyl-3,5-dimethyl-	132	C10H12	005379-20-4	9
5		4-Methylpyrrolo[1,2-a]pyrazine	132	C8H8N2	064608-60-2	9



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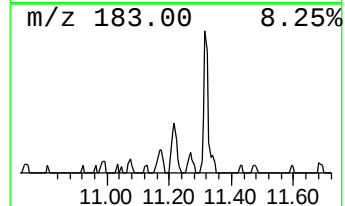
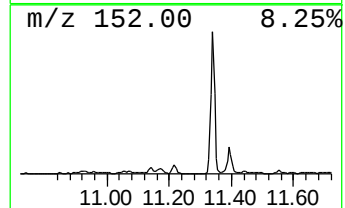
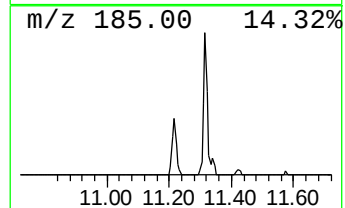
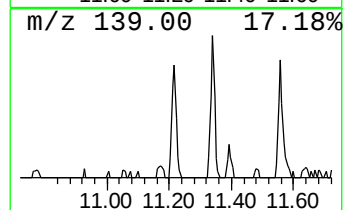
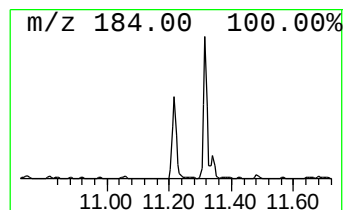
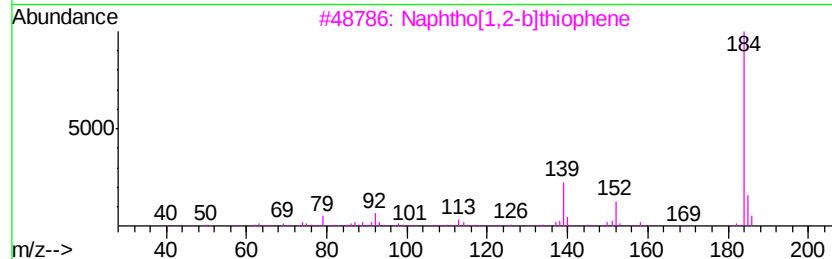
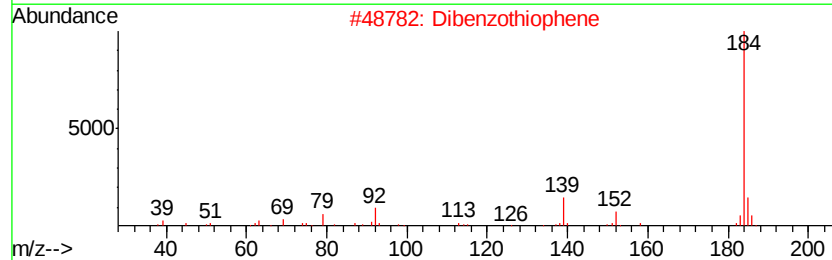
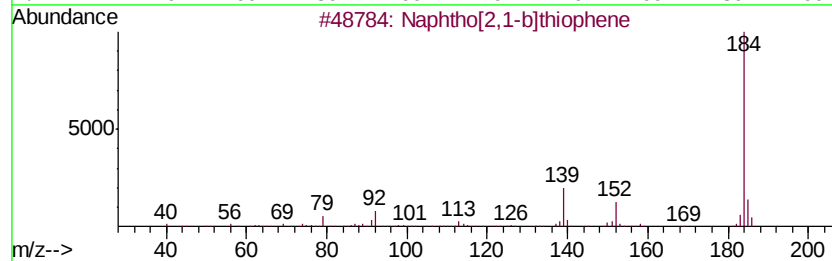
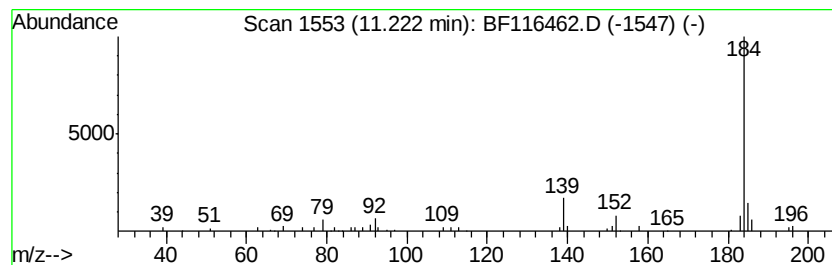
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 3 Naphtho[2,1-b]thiophene Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD		R.T.	
11.22	2.12 ng	88343	Phenanthrene-d10		11.32	
Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		Naphtho[2,1-b]thiophene	184	C12H8S	000233-02-3	97
2		Dibenzothiophene	184	C12H8S	000132-65-0	96
3		Naphtho[1,2-b]thiophene	184	C12H8S	000234-41-3	96
4		Naphtho[2,3-b]thiophene	184	C12H8S	000268-77-9	95
5		Azuleno(2,1-b)thiophene	184	C12H8S	000248-13-5	91



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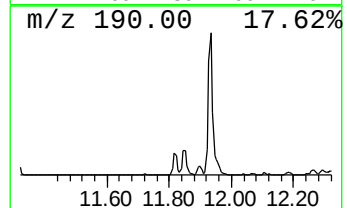
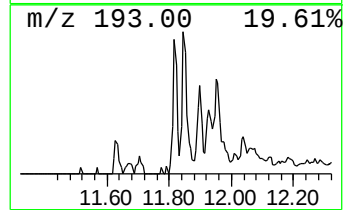
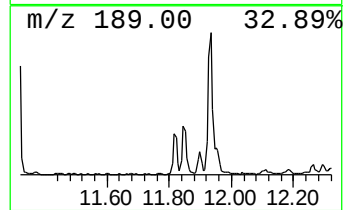
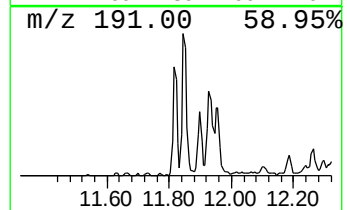
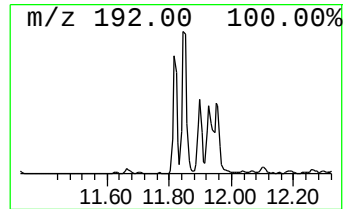
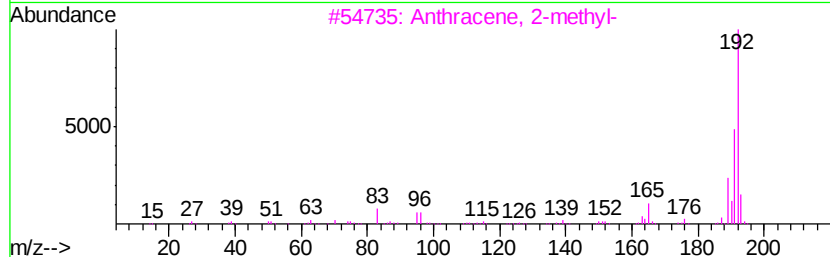
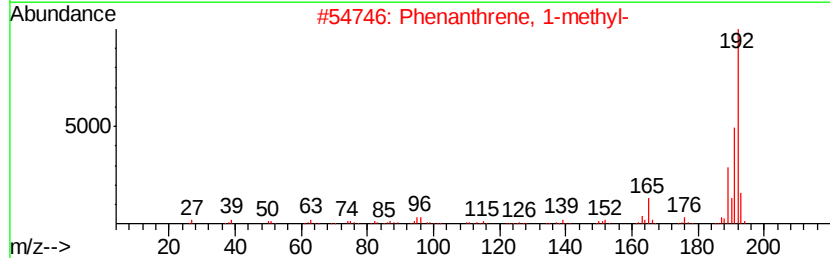
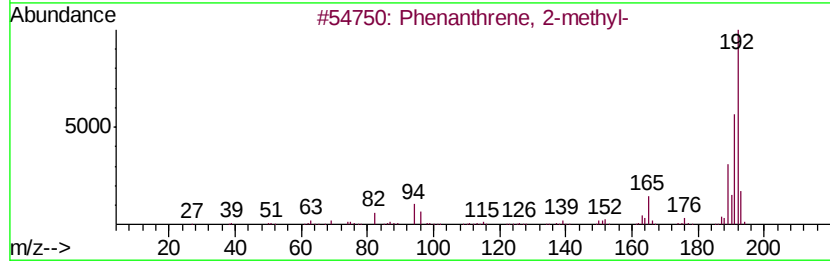
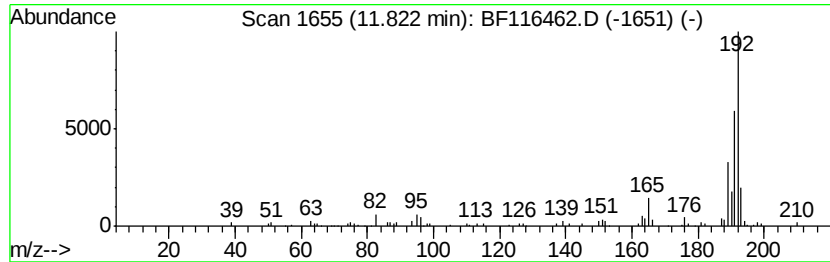
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 4 Phenanthrene, 2-methyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.	
11.82	2.60 ng	108274	Phenanthrene-d10	11.32	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	97
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	96
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	95
4	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	93
5	Anthracene, 9-methyl-	192	C15H12	000779-02-2	91



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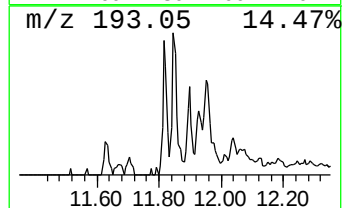
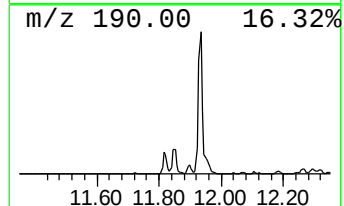
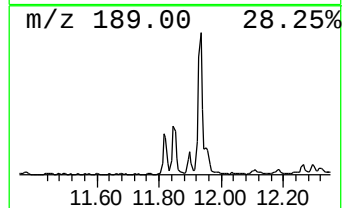
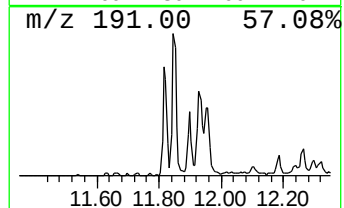
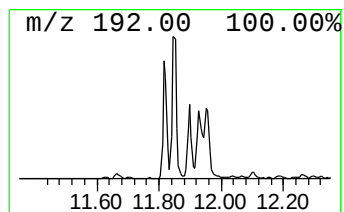
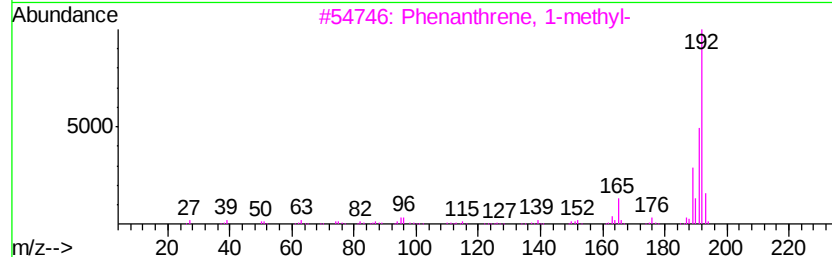
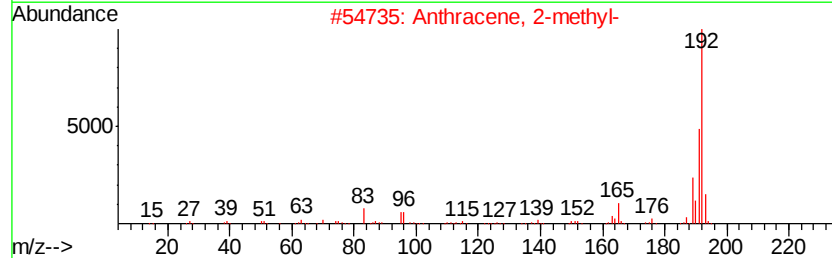
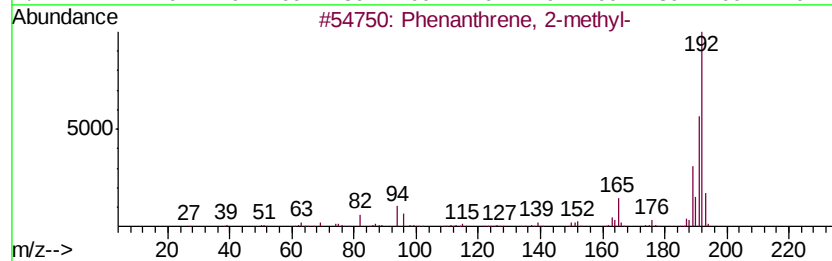
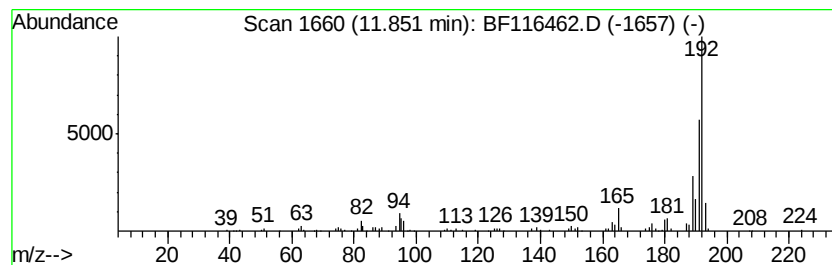
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ClientSampleId :
SUNSET-PARK-SB-3-COMP

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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, 2-methyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.	
11.85	3.71 ng	154427	Phenanthrene-d10	11.32	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	98
2	Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
3	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	96
4	1H-Cyclopropa[1]phenanthrene,1a,...	192	C15H12	000949-41-7	94
5	Anthracene, 1-methyl-	192	C15H12	000610-48-0	94



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF082119\
Data File : BF116462.D
Acq On : 21 Aug 2019 13:41
Operator : HP/JU
Sample : K4421-09 5X
Misc :
ALS Vial : 6 Sample Multiplier: 1

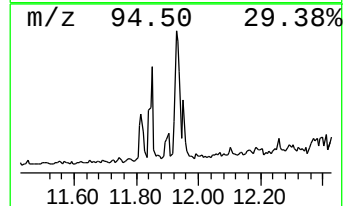
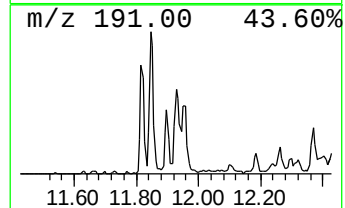
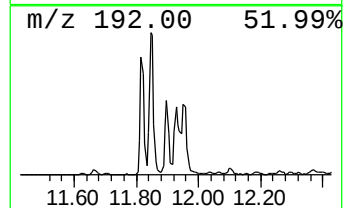
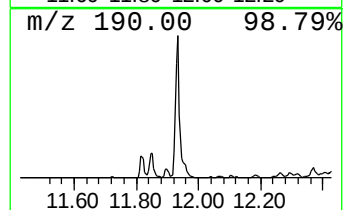
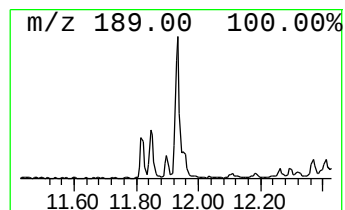
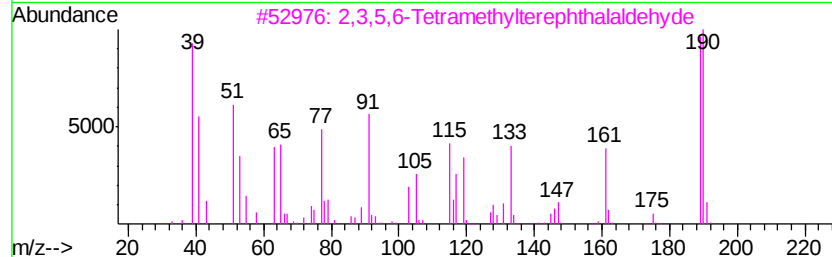
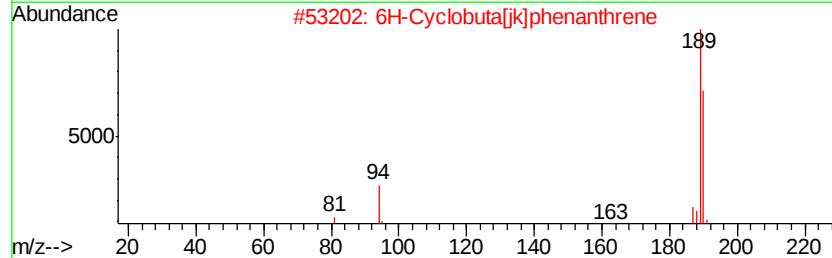
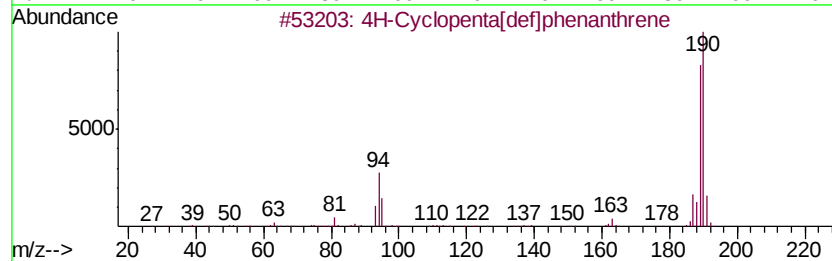
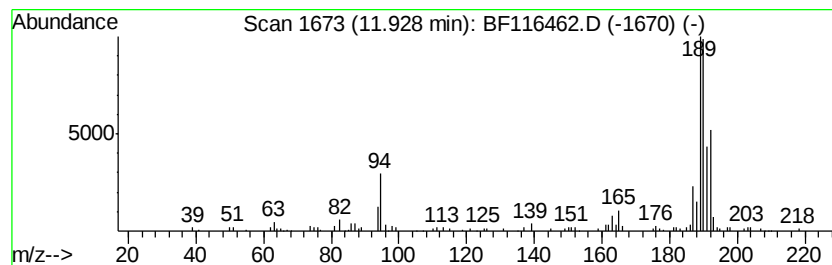
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ClientSampleId :
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 6 4H-Cyclopenta[def]phenanthrene Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.	
11.93	4.29 ng	178494	Phenanthrene-d10	11.32	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	87
2	6H-Cyclobuta[i]kphenanthrene	190	C15H10	083469-43-6	72
3	2,3,5,6-Tetramethylterephthalald...	190	C12H14O2	007072-01-7	49
4	2,2'-Bis(4,5-dimethylimidazole)	190	C10H14N4	069286-06-2	45
5	2,6-Dichlorobenzaldoxime	189	C7H5Cl2NO	025185-95-9	30



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF082119\
Data File : BF116462.D
Acq On : 21 Aug 2019 13:41
Operator : HP/JU
Sample : K4421-09 5X
Misc :
ALS Vial : 6 Sample Multiplier: 1

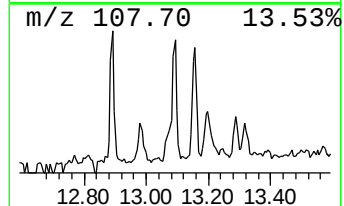
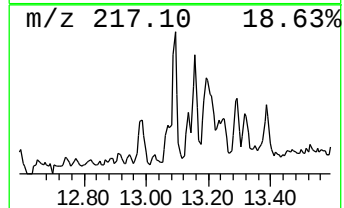
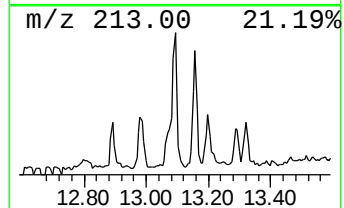
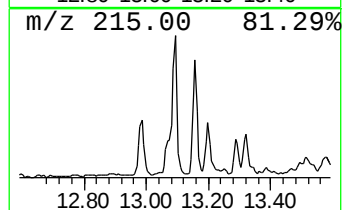
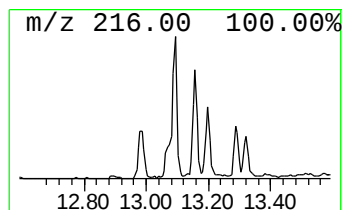
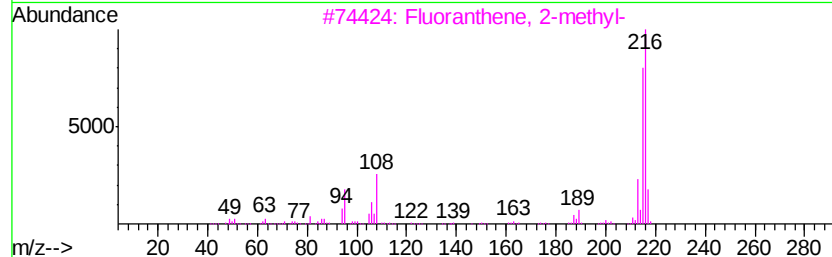
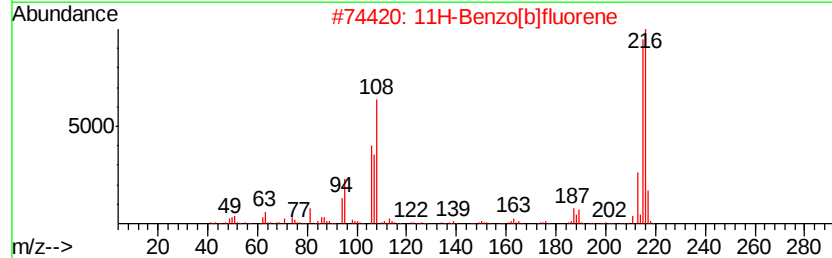
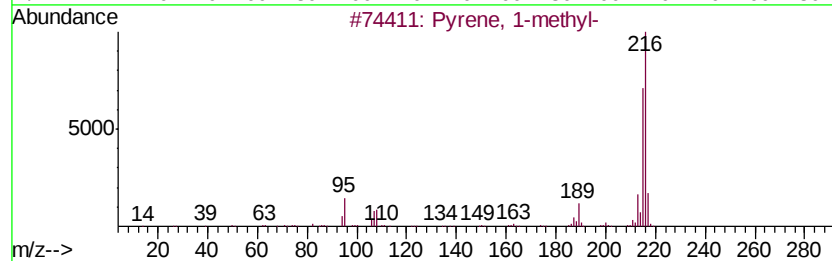
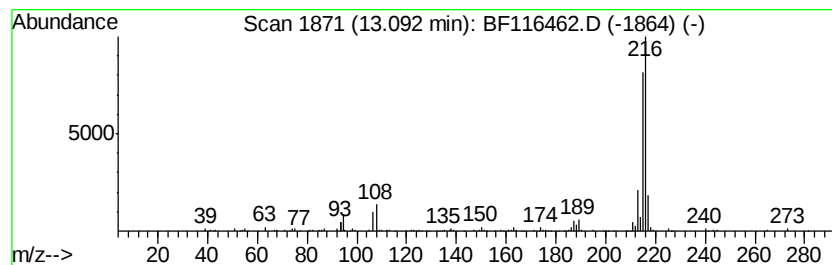
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ClientSampleId :
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF073019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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

R.T.	EstConc	Area	Relative to ISTD	R.T.	
13.09	2.84 ng	146335	Chrysene-d12	13.96	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	93
2	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	91
3	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	91
4	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	91
5	Pyrene, 2-methyl-	216	C17H12	003442-78-2	89



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF082119\
Data File : BF116462.D
Acq On : 21 Aug 2019 13:41
Operator : HP/JU
Sample : K4421-09 5X
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SUNSET-PARK-SB-3-COMP

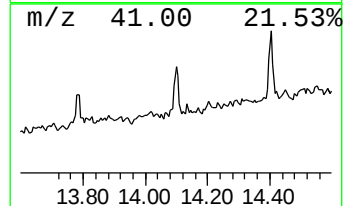
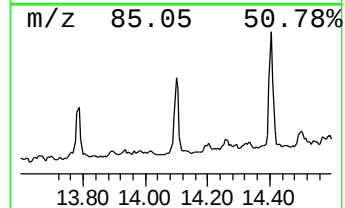
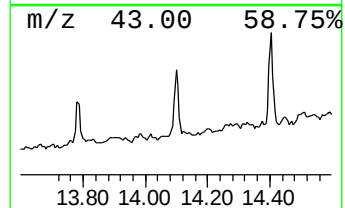
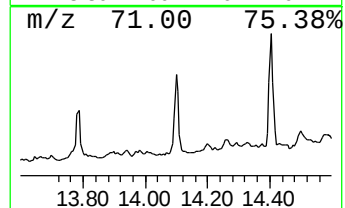
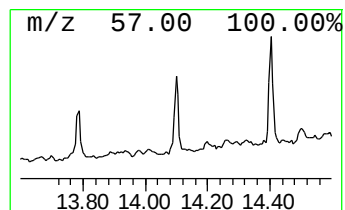
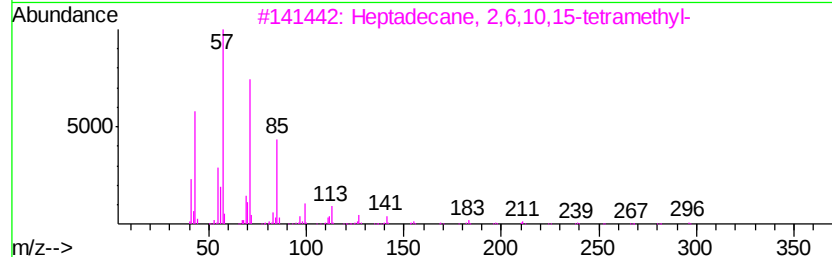
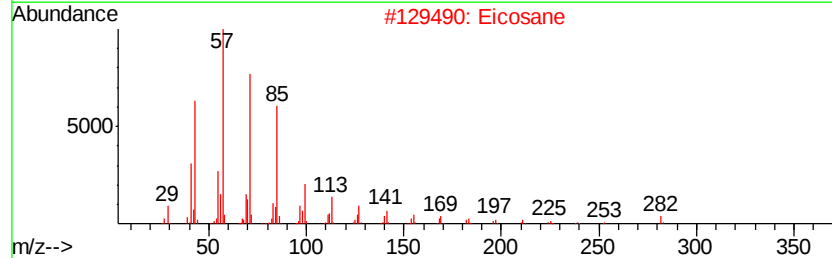
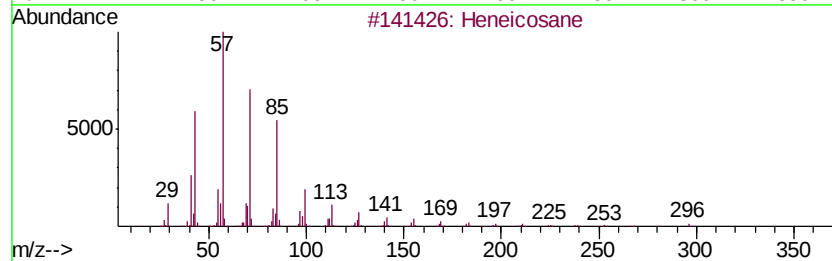
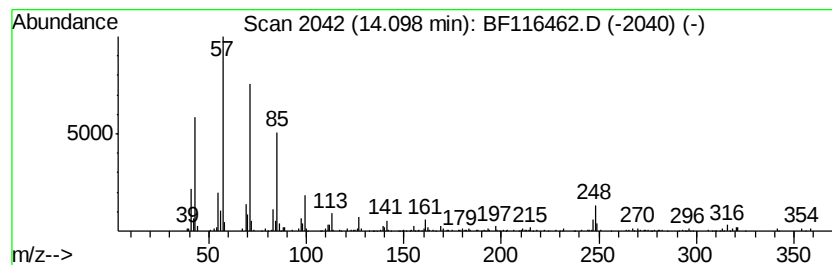
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 8 Heneicosane Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.10	2.07 ng	106657	Chrysene-d12	13.96

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heneicosane		296	C21H44	000629-94-7	98
2	Eicosane		282	C20H42	000112-95-8	95
3	Heptadecane, 2,6,10,15-tetramethyl-		296	C21H44	054833-48-6	91
4	Nonadecane		268	C19H40	000629-92-5	87
5	Heptadecane		240	C17H36	000629-78-7	83



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF082119\
Data File : BF116462.D
Acq On : 21 Aug 2019 13:41
Operator : HP/JU
Sample : K4421-09 5X
Misc :
ALS Vial : 6 Sample Multiplier: 1

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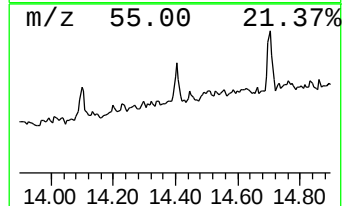
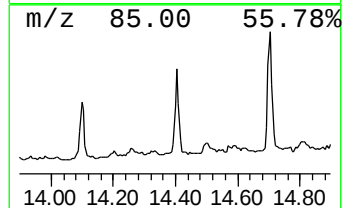
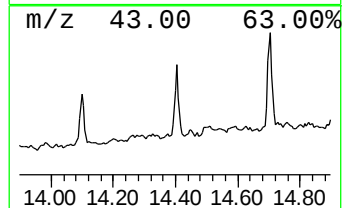
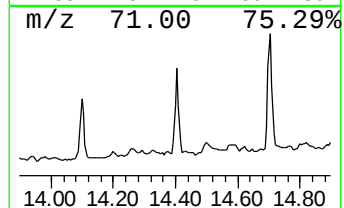
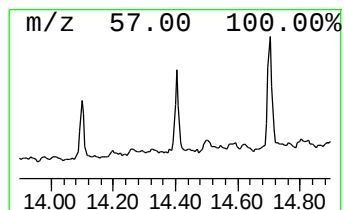
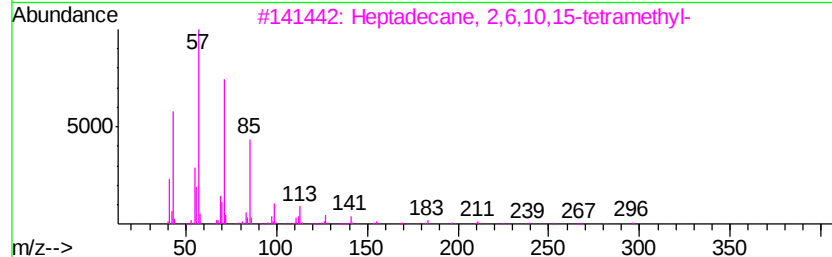
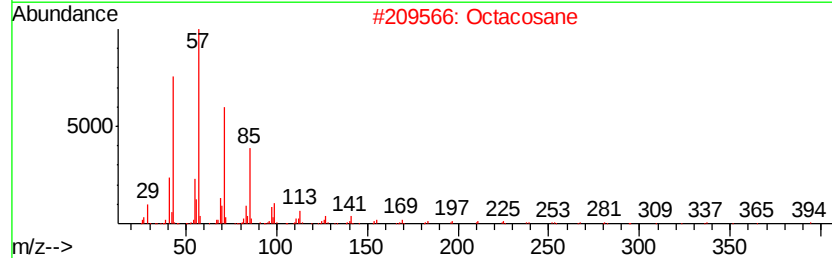
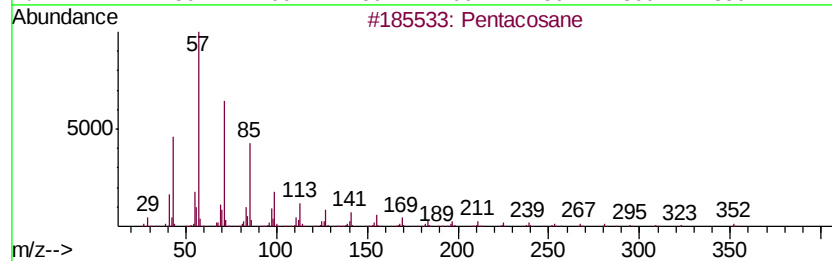
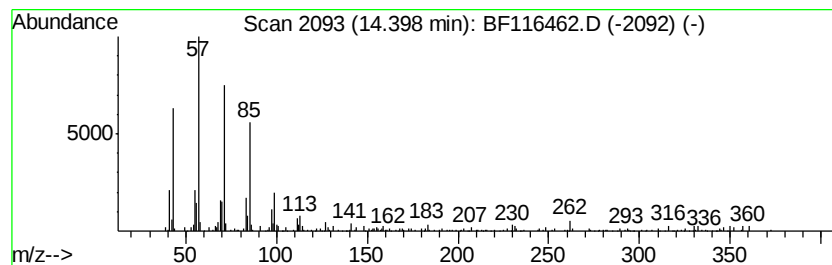
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 9 Pentacosane Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.40	2.70 ng	139080	Chrysene-d12	13.96

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentacosane		352	C25H52	000629-99-2	93
2	Octacosane		394	C28H58	000630-02-4	87
3	Heptadecane, 2,6,10,15-tetramethyl-		296	C21H44	054833-48-6	83
4	Decane, 3,8-dimethyl-		170	C12H26	017312-55-9	80
5	Octadecane, 1-iodo-		380	C18H37I	000629-93-6	80



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF082119\
Data File : BF116462.D
Acq On : 21 Aug 2019 13:41
Operator : HP/JU
Sample : K4421-09 5X
Misc :
ALS Vial : 6 Sample Multiplier: 1

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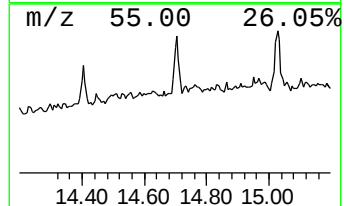
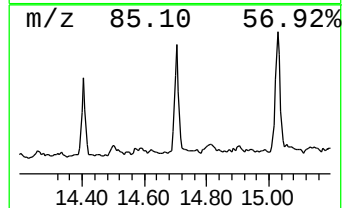
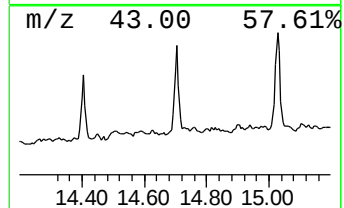
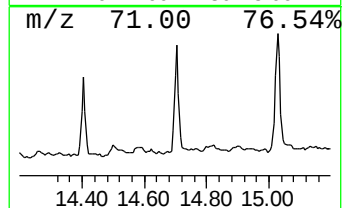
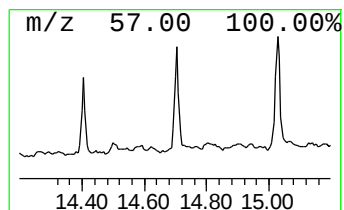
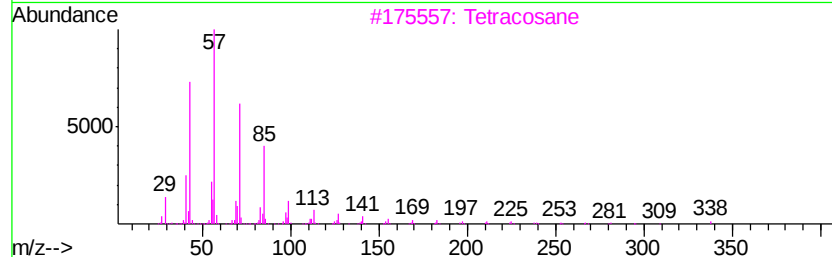
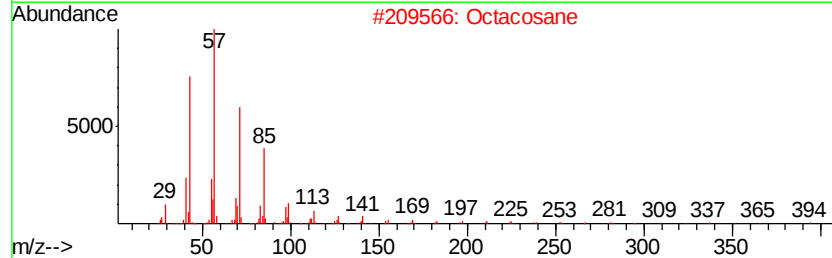
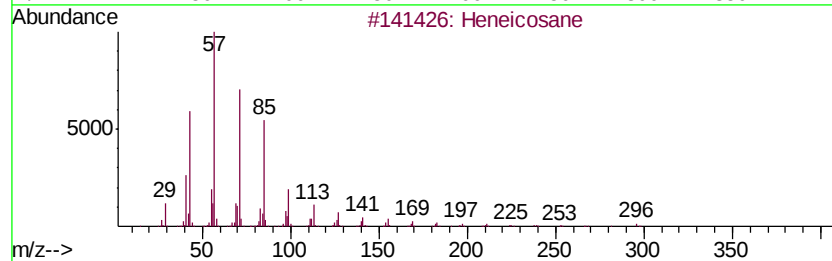
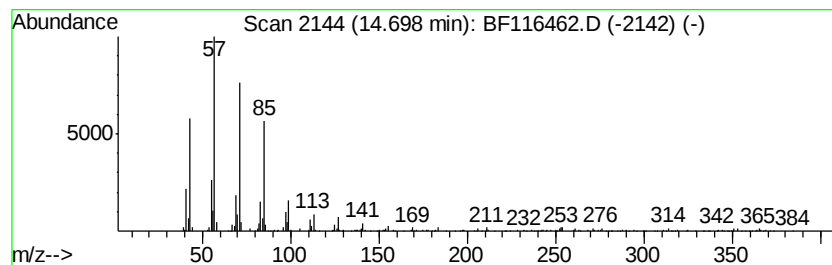
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 10 Octacosane Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.70	8.10 ng	205861	Perylene-d12	15.42

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Heneicosane	296	C21H44	000629-94-7	91
2		Octacosane	394	C28H58	000630-02-4	91
3		Tetracosane	338	C24H50	000646-31-1	91
4		Tridecane, 7-hexyl-	268	C19H40	007225-66-3	87
5		Tetradecane	198	C14H30	000629-59-4	86



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF082119\
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Operator : HP/JU
Sample : K4421-09 5X
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
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ClientSampleId :
SUNSET-PARK-SB-3-COMP

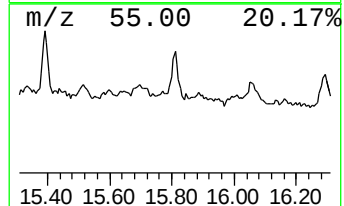
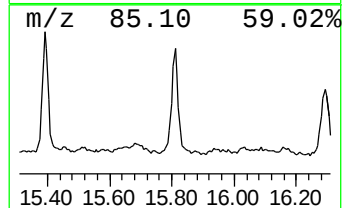
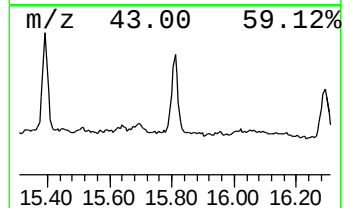
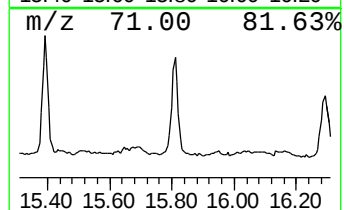
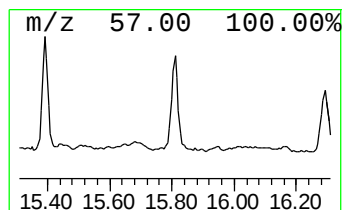
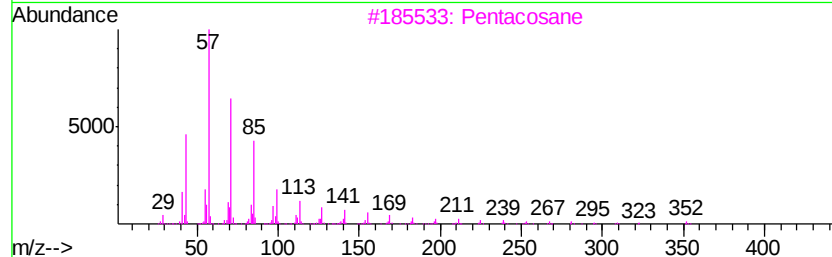
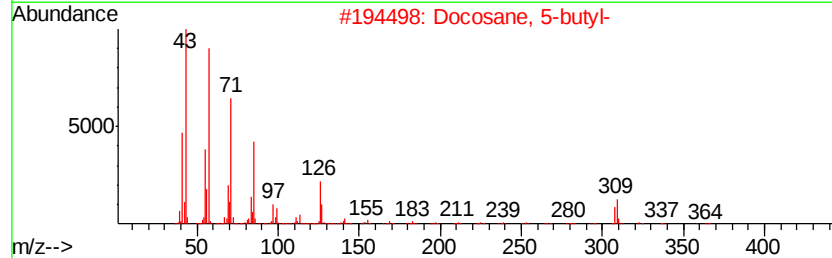
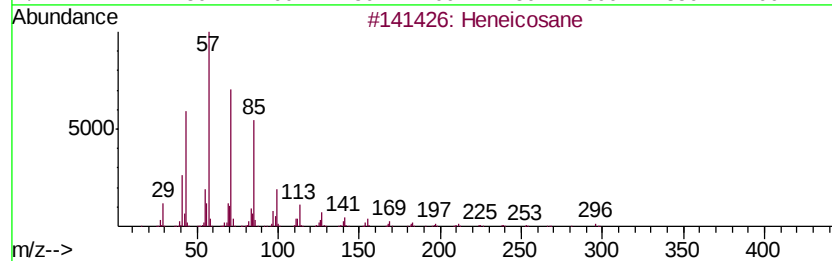
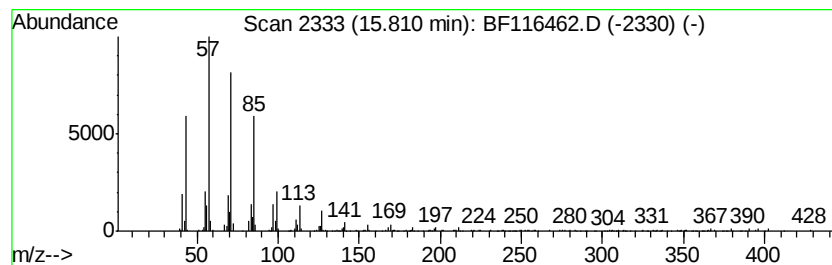
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 11 Docosane, 5-butyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.81	11.17 ng	283910	Perylene-d12	15.42

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Heneicosane	296	C21H44	000629-94-7	91
2		Docosane, 5-butyl-	366	C26H54	055282-16-1	91
3		Pentacosane	352	C25H52	000629-99-2	91
4		Octadecane, 5,14-dibutyl-	366	C26H54	055282-13-8	89
5		Octacosane	394	C28H58	000630-02-4	89



Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF082119\
Data File : BF116462.D
Acq On : 21 Aug 2019 13:41
Operator : HP/JU
Sample : K4421-09 5X
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SUNSET-PARK-SB-3-COMP

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF073019.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
unknown6.58	6.58	15.0	ng	354738	1	6.79	473036	20.0
Naphtho[2,1-b]thi...	11.22	2.1	ng	88343	4	11.32	832390	20.0
Phenanthrene, 2-m...	11.82	2.6	ng	108274	4	11.32	832390	20.0
Anthracene, 2-met...	11.85	3.7	ng	154427	4	11.32	832390	20.0
4H-Cyclopenta[def...	11.93	4.3	ng	178494	4	11.32	832390	20.0
Pyrene, 1-methyl-	13.09	2.8	ng	146335	5	13.96	1031500	20.0
Heneicosane	14.10	2.1	ng	106657	5	13.96	1031500	20.0
Pentacosane	14.40	2.7	ng	139080	5	13.96	1031500	20.0
Octacosane	14.70	8.1	ng	205861	6	15.42	508392	20.0
Docosane, 5-butyl-	15.81	11.2	ng	283910	6	15.42	508392	20.0