

Data Path : U:\HPCHEM1\BNA F\DATA\BF011518\
 Data File : BF102086.D
 Acq On : 16 Jan 2018 1:47
 Operator : SJ/JU
 Sample : J1136-01
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 EPE-106-4(0-5)

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-BF010918.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	4.934	477	484	492	rVB	220167	331669	7.95%	0.648%
2	5.340	547	553	556	rBV	3871957	4126762	98.87%	8.067%
3	6.363	721	727	731	rBV	3628332	4173795	100.00%	8.159%
4	6.492	744	749	752	rBV	4315990	4153915	99.52%	8.120%
5	6.722	784	788	791	rBV	1336990	1082291	25.93%	2.116%
6	6.881	810	815	818	rBV	3338323	3269292	78.33%	6.391%
7	7.286	878	884	887	rBV	2593981	2664542	63.84%	5.209%
8	8.004	1001	1006	1008	rBV	1506809	1355200	32.47%	2.649%
9	9.080	1183	1189	1192	rBV	4464589	3771345	90.36%	7.372%
10	9.157	1199	1202	1204	rBV	56864	49319	1.18%	0.096%
11	9.410	1241	1245	1248	rBV3	42673	46821	1.12%	0.092%
12	9.475	1252	1256	1259	rBV	570543	455723	10.92%	0.891%
13	9.616	1276	1280	1284	rBV	199332	176716	4.23%	0.345%
14	9.686	1289	1292	1297	rVV	198564	171877	4.12%	0.336%
15	9.757	1297	1304	1307	rVV	1274087	1208416	28.95%	2.362%
16	9.786	1307	1309	1313	rVB	72180	59738	1.43%	0.117%
17	9.922	1326	1332	1334	rBV5	25388	46498	1.11%	0.091%
18	9.957	1334	1338	1340	rVV2	108581	118525	2.84%	0.232%
19	10.010	1343	1347	1351	rVB4	42025	58005	1.39%	0.113%
20	10.186	1374	1377	1380	rBV	235295	170800	4.09%	0.334%
21	10.298	1393	1396	1401	rVB2	69080	80898	1.94%	0.158%
22	10.410	1409	1415	1417	rBV2	71818	94495	2.26%	0.185%
23	10.457	1420	1423	1426	rVB	58886	49516	1.19%	0.097%
24	10.539	1431	1437	1441	rBV	1923927	1796237	43.04%	3.511%
25	10.657	1455	1457	1465	rVB	193427	217476	5.21%	0.425%
26	11.039	1519	1522	1526	rVB	75858	64694	1.55%	0.126%
27	11.080	1526	1529	1531	rVV2	45441	50125	1.20%	0.098%
28	11.104	1531	1533	1536	rVV	87164	85320	2.04%	0.167%
29	11.133	1536	1538	1544	rVB	82691	75199	1.80%	0.147%
30	11.233	1551	1555	1557	rBV	1041655	891643	21.36%	1.743%
31	11.257	1557	1559	1563	rVV	929257	729176	17.47%	1.425%
32	11.310	1563	1568	1571	rVV	271286	239481	5.74%	0.468%
33	11.339	1571	1573	1576	rVB2	47120	45772	1.10%	0.089%
34	11.463	1588	1594	1596	rBV2	77442	97054	2.33%	0.190%

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35	11.533	1603	1606	1609	rVB	65306	52581	1.26%	0.103%
36	11.733	1637	1640	1642	rBV	167230	129865	3.11%	0.254%
37	11.763	1642	1645	1650	rVV2	403443	388363	9.30%	0.759%
38	11.810	1650	1653	1656	rVV	101892	96844	2.32%	0.189%
39	11.845	1656	1659	1661	rVV	189692	215202	5.16%	0.421%
40	11.868	1661	1663	1667	rVB	119175	96888	2.32%	0.189%
41	12.027	1687	1690	1692	rBV	95219	86588	2.07%	0.169%
42	12.051	1692	1694	1697	rVB	79469	71013	1.70%	0.139%
43	12.280	1730	1733	1736	rBV2	120816	123618	2.96%	0.242%
44	12.321	1737	1740	1745	rVV3	71075	110486	2.65%	0.216%
45	12.368	1745	1748	1753	rVB	128129	145557	3.49%	0.285%
46	12.445	1757	1761	1764	rBV	1530520	1253753	30.04%	2.451%
47	12.539	1774	1777	1781	rBV	96796	121371	2.91%	0.237%
48	12.592	1784	1786	1793	rVB2	52110	61800	1.48%	0.121%
49	12.674	1793	1800	1802	rBV	1224040	1361843	32.63%	2.662%
50	12.721	1806	1808	1813	rVB2	84087	94229	2.26%	0.184%
51	12.792	1816	1820	1821	rBV	90667	90772	2.17%	0.177%
52	12.821	1821	1825	1828	rVV	2562813	2301925	55.15%	4.500%
53	12.886	1832	1836	1840	rBV2	109442	175269	4.20%	0.343%
54	12.974	1848	1851	1853	rBV3	92129	116851	2.80%	0.228%
55	12.998	1853	1855	1858	rVB	142472	123739	2.96%	0.242%
56	13.027	1858	1860	1863	rBV3	61511	73125	1.75%	0.143%
57	13.063	1864	1866	1868	rVV	112041	98273	2.35%	0.192%
58	13.098	1869	1872	1876	rVV2	208837	245870	5.89%	0.481%
59	13.163	1880	1883	1885	rBV4	44042	50961	1.22%	0.100%
60	13.192	1886	1888	1891	rVB	98550	84613	2.03%	0.165%
61	13.221	1891	1893	1897	rBV2	99010	99886	2.39%	0.195%
62	13.374	1917	1919	1921	rBV3	52509	60319	1.45%	0.118%
63	13.504	1938	1941	1945	rVB	196443	187964	4.50%	0.367%
64	13.610	1956	1959	1963	rBV2	142873	223700	5.36%	0.437%
65	13.645	1963	1965	1967	rVV	187108	161284	3.86%	0.315%
66	13.663	1967	1968	1973	rVV2	129044	193453	4.63%	0.378%
67	13.710	1973	1976	1983	rVB	660954	672840	16.12%	1.315%
68	13.862	1995	2002	2005	rBV2	1294728	2009844	48.15%	3.929%
69	13.892	2005	2007	2013	rVB	925528	817953	19.60%	1.599%
70	13.968	2018	2020	2022	rVB	111093	86715	2.08%	0.170%
71	14.092	2039	2041	2044	rVB	80709	64918	1.56%	0.127%

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72	14.251	2065	2068	2071	rVB	232458	207067	4.96%	0.405%
73	14.286	2071	2074	2077	rVB	118308	111065	2.66%	0.217%
74	14.345	2081	2084	2087	rBV3	153809	136700	3.28%	0.267%
75	14.374	2087	2089	2091	rBV	74519	61469	1.47%	0.120%
76	14.880	2171	2175	2182	rVB	761589	1425700	34.16%	2.787%
77	14.980	2189	2192	2195	rVB	257996	251207	6.02%	0.491%
78	15.162	2220	2223	2229	rVB	429078	561137	13.44%	1.097%
79	15.227	2229	2234	2239	rVB	661935	796359	19.08%	1.557%
80	15.286	2239	2244	2246	rBV	613302	733243	17.57%	1.433%
81	15.309	2246	2248	2254	rVB2	237186	292548	7.01%	0.572%
82	15.768	2323	2326	2330	rBV5	97889	129201	3.10%	0.253%
83	16.651	2471	2476	2484	rVB2	259452	495828	11.88%	0.969%
84	17.062	2541	2546	2552	rBV2	187547	345689	8.28%	0.676%
85	17.556	2624	2630	2643	rVB3	175975	544640	13.05%	1.065%
86	18.533	2788	2796	2810	rVB4	181681	705274	16.90%	1.379%

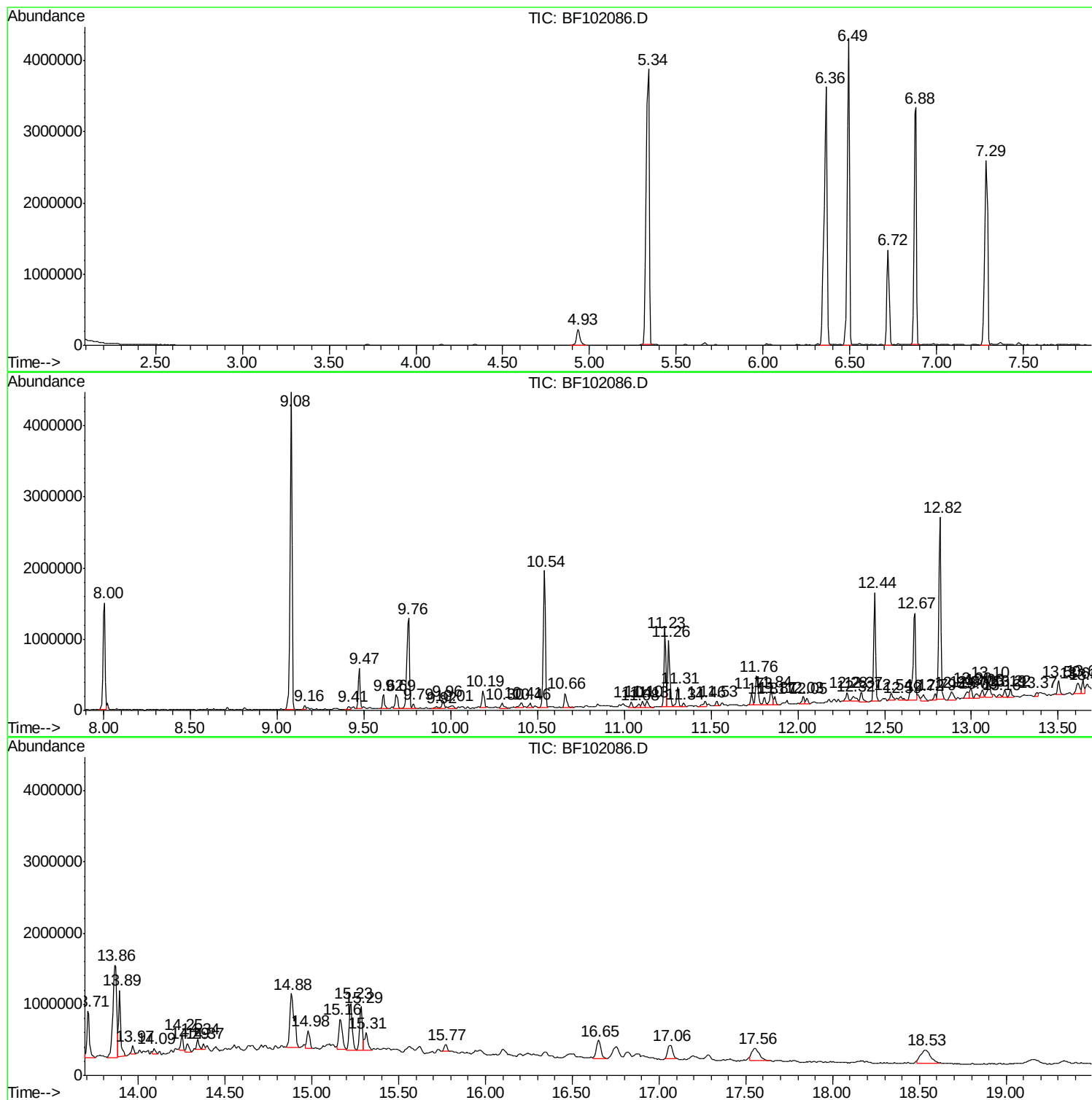
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EPE-106-4(0-5)

Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF010918.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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Instrument :
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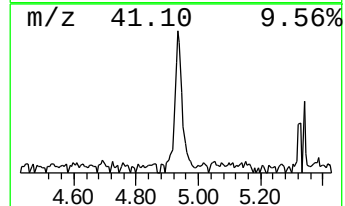
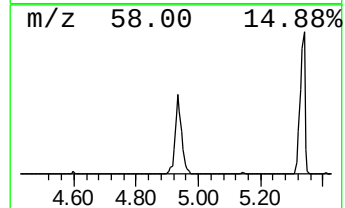
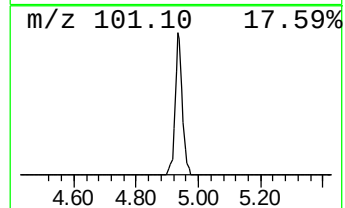
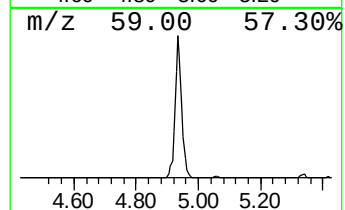
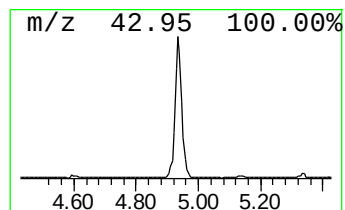
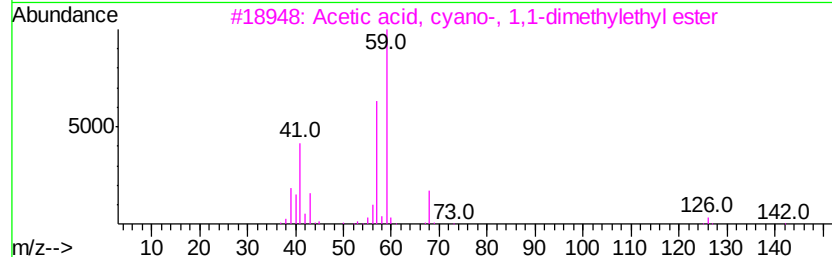
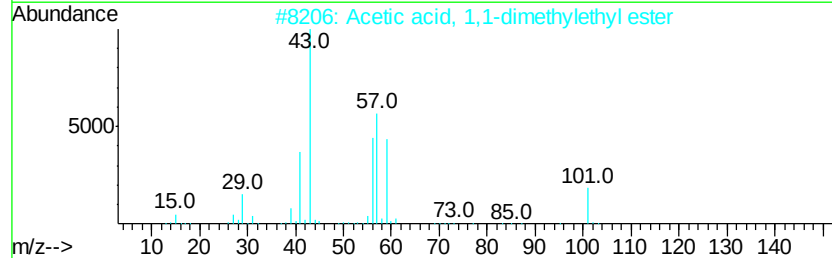
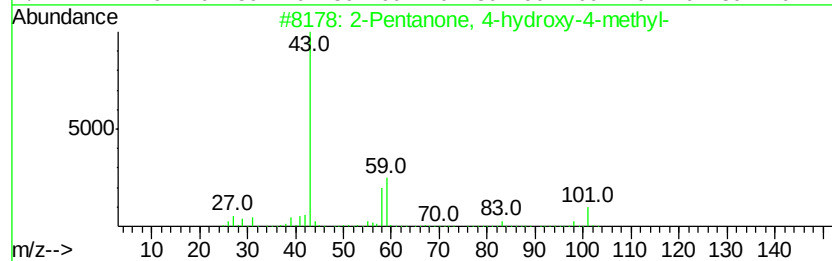
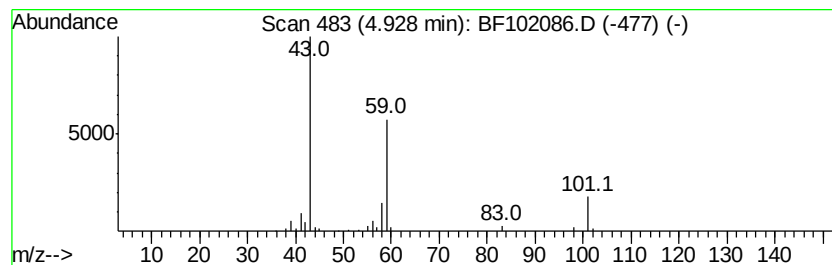
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF010918.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 1 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.93	6.13 ng	331669	1,4-Dichlorobenzene-d4	6.72

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	59
2			Acetic acid, 1,1-dimethylethyl e...	116	C6H12O2	000540-88-5	39
3			Acetic acid, cyano-, 1,1-dimethyl...	141	C7H11NO2	001116-98-9	25
4			2,3-Butanedione, monooxime	101	C4H7NO2	000057-71-6	16
5			1-Propen-2-ol, acetate	100	C5H8O2	000108-22-5	10



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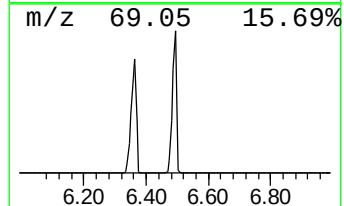
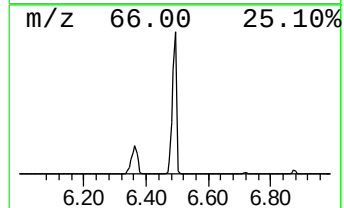
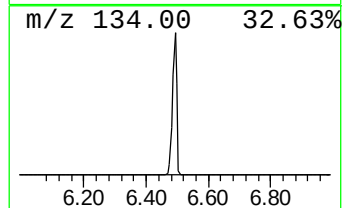
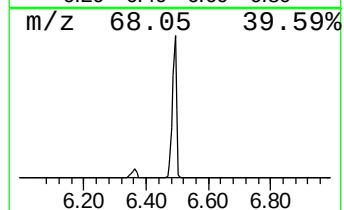
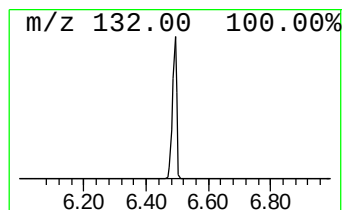
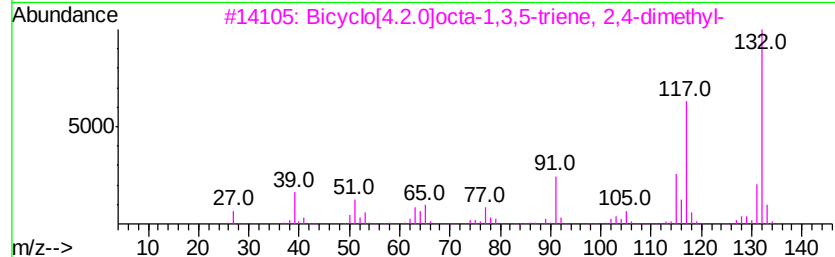
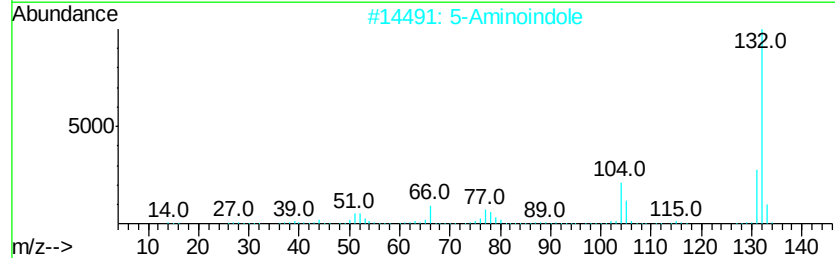
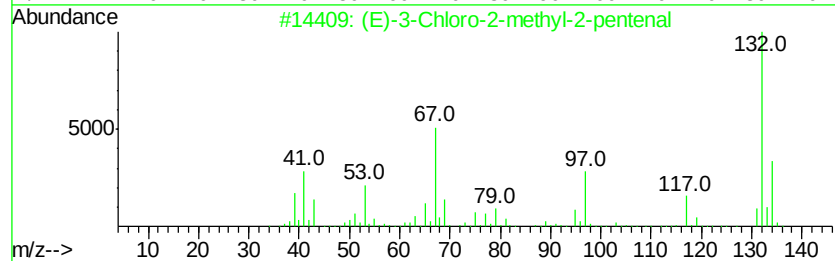
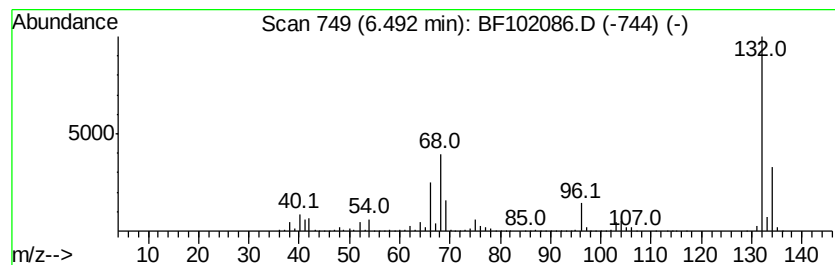
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TIC Library : C:\DATABASE\NIST11.L
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Peak Number 2 unknown6.49 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.49	76.76 ng	4153920	1,4-Dichlorobenzene-d4	6.72

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	(E)-3-Chloro-2-methyl-2-pentenal	132	C6H9ClO	031357-76-3	12
2		5-Aminoindole	132	C8H8N2	005192-03-0	12
3		Bicyclo[4.2.0]octa-1,3,5-triene,...	132	C10H12	028749-81-7	9
4		(5-Methyl-2-pyridyl)acetonitrile	132	C8H8N2	1000241-93-9	9
5		2H-Cyclopenta[d]pyridazine, 2-me...	132	C8H8N2	022291-85-6	9



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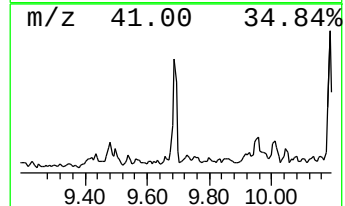
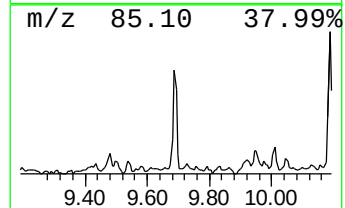
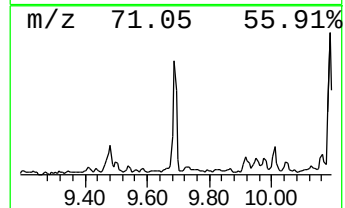
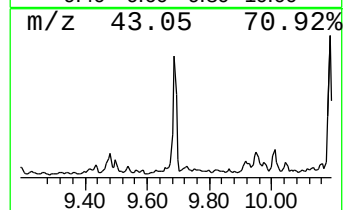
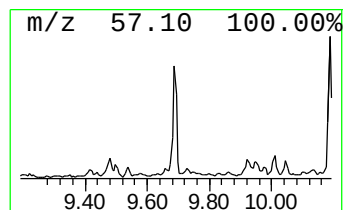
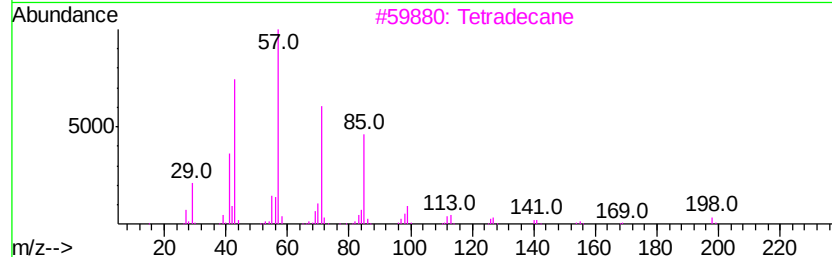
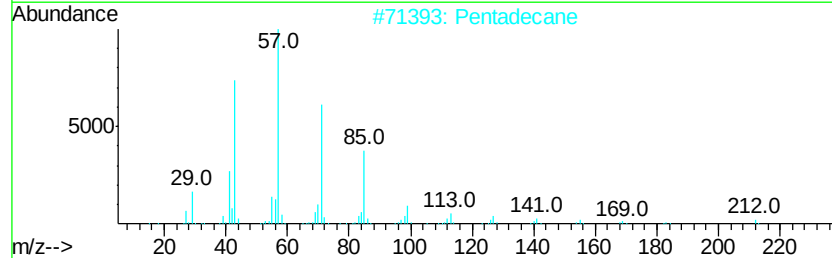
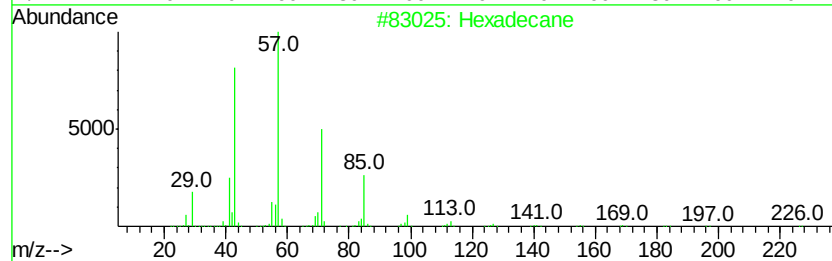
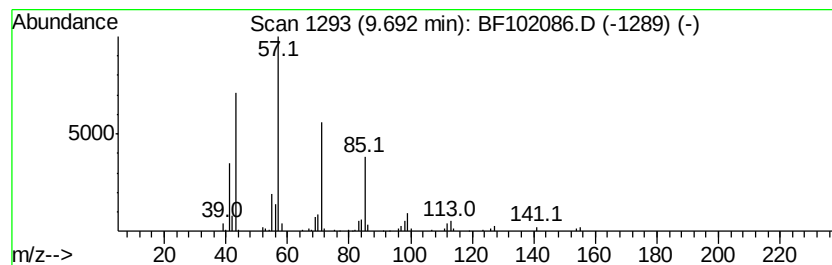
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 4 Hexadecane Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.69	2.84 ng	171877	Acenaphthene-d10	9.76

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Hexadecane	226	C16H34	000544-76-3	91
2		Pentadecane	212	C15H32	000629-62-9	90
3		Tetradecane	198	C14H30	000629-59-4	90
4		Tridecane	184	C13H28	000629-50-5	90
5		Octacosane	394	C28H58	000630-02-4	83



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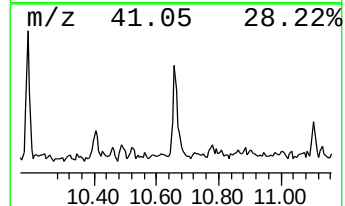
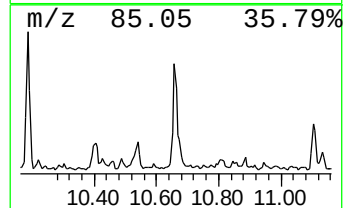
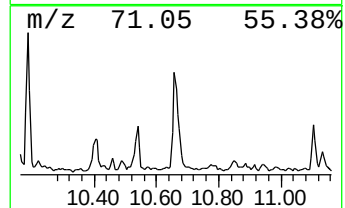
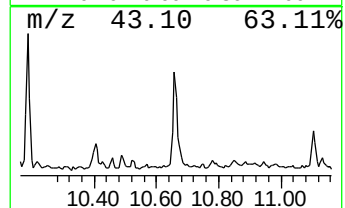
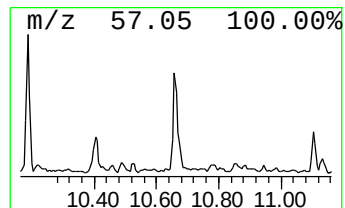
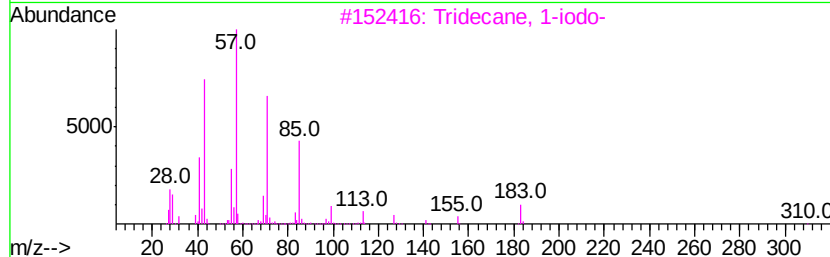
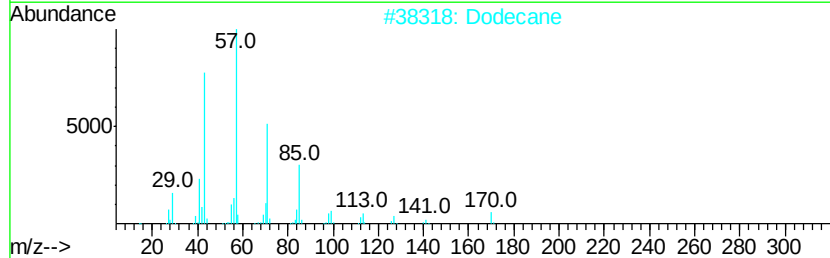
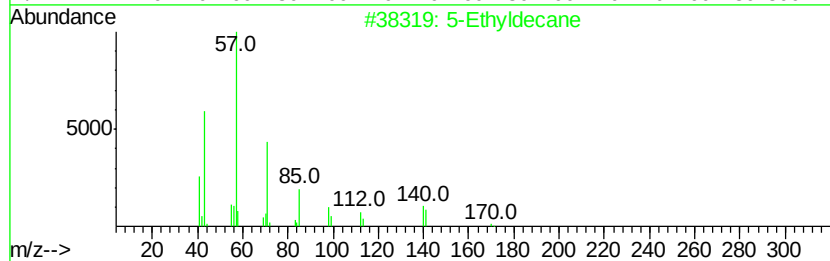
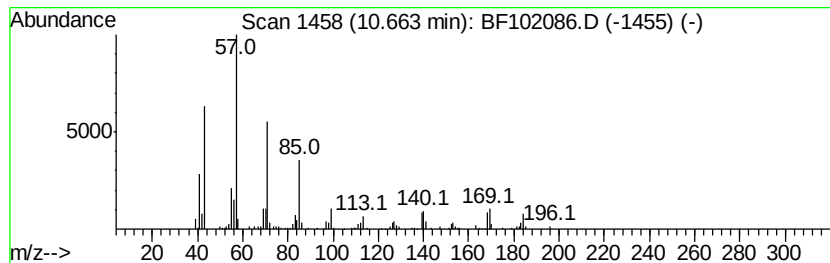
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ClientSampleId :
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 6 5-Ethyldecane Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.	
10.66	4.88 ng	217476	Phenanthrene-d10	11.23	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	5-Ethyldecane	170	C12H26	017302-36-2	83
2	Dodecane	170	C12H26	000112-40-3	83
3	Tridecane, 1-iodo-	310	C13H27I	035599-77-0	80
4	Nonadecane, 9-methyl-	282	C20H42	013287-24-6	72
5	Dodecane, 2-methyl-6-propyl-	226	C16H34	055045-08-4	72



Data Path : U:\HPCHEM1\BNA_F\DATA\BF011518\
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Acq On : 16 Jan 2018 1:47
Operator : SJ/JU
Sample : J1136-01
Misc :
ALS Vial : 25 Sample Multiplier: 1

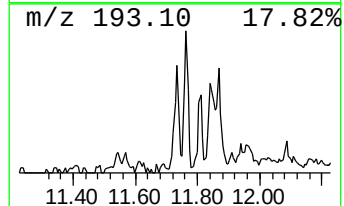
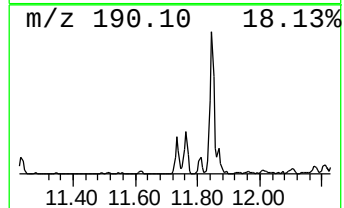
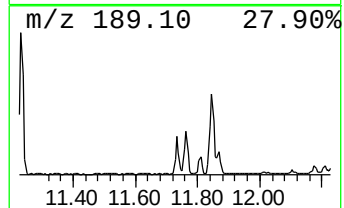
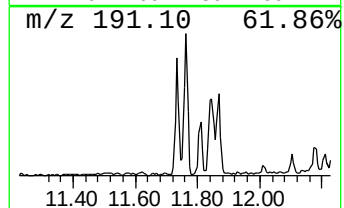
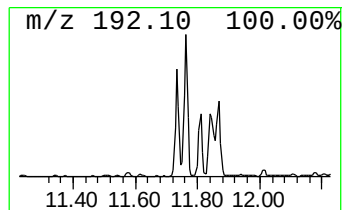
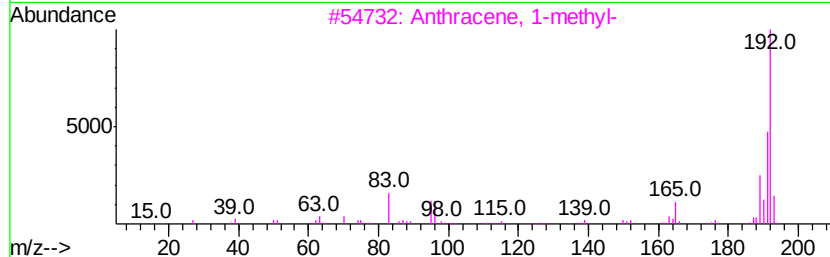
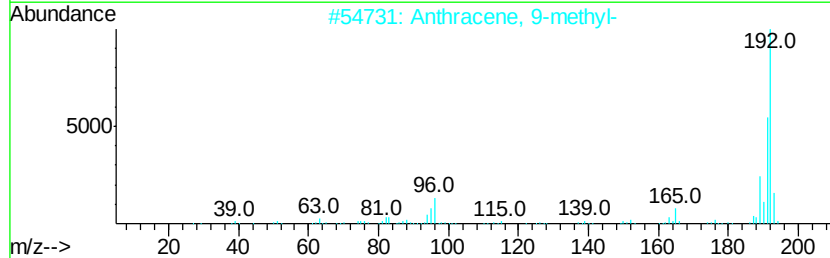
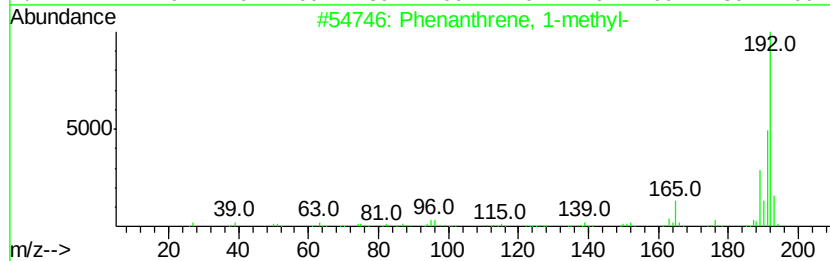
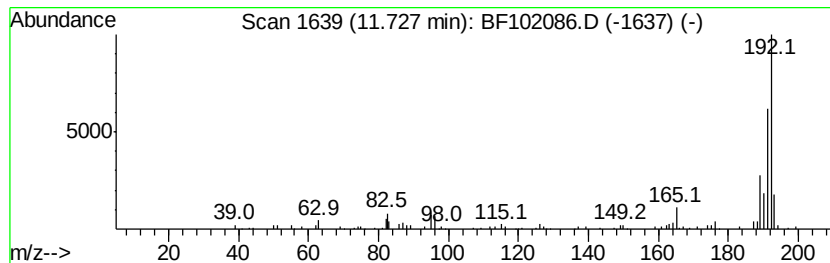
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ClientSampleId :
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 7 Phenanthrene, 1-methyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.	
11.73	2.91 ng	129865	Phenanthrene-d10	11.23	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	89
2	Anthracene, 9-methyl-	192	C15H12	000779-02-2	87
3	Anthracene, 1-methyl-	192	C15H12	000610-48-0	87
4	Anthracene, 2-methyl-	192	C15H12	000613-12-7	86
5	5H-Dibenzo[a,d]cycloheptene	192	C15H12	000256-81-5	76



Data Path : U:\HPCHEM1\BNA_F\DATA\BF011518\
Data File : BF102086.D
Acq On : 16 Jan 2018 1:47
Operator : SJ/JU
Sample : J1136-01
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Instrument :
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ClientSampleId :
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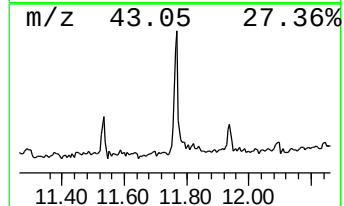
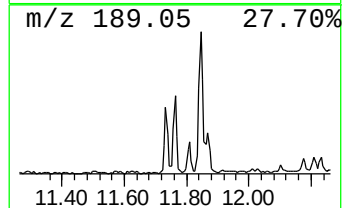
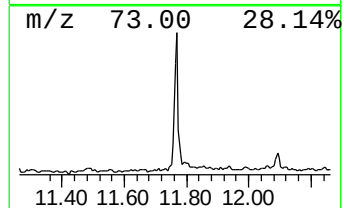
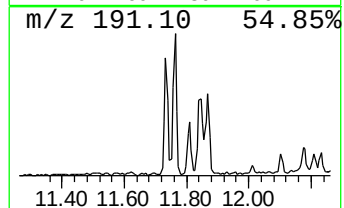
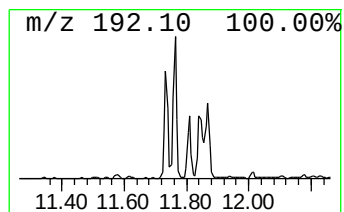
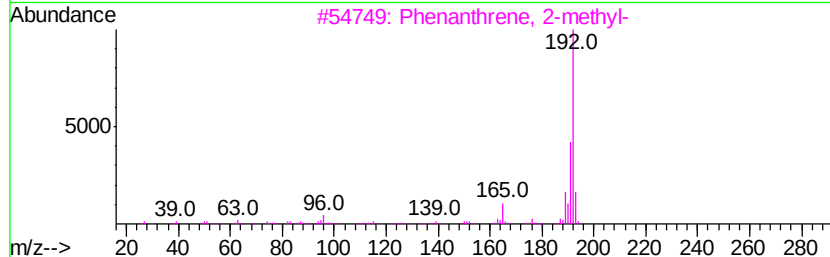
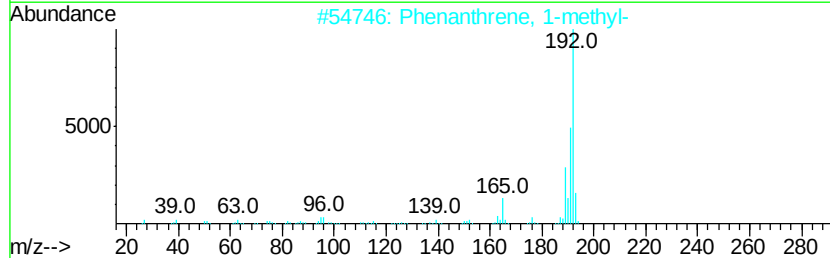
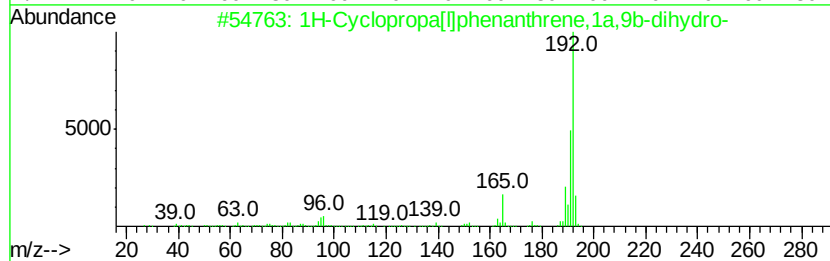
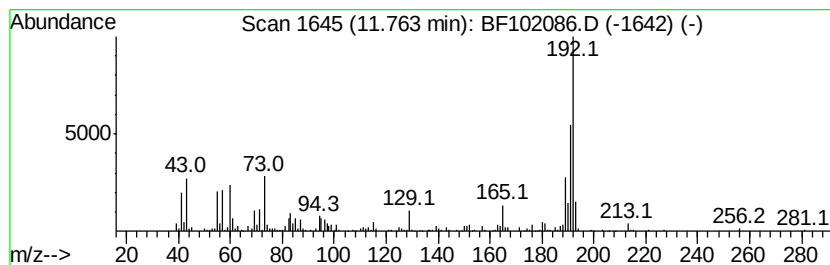
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 8 1H-Cyclopropa[l]phenanthren... Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.76	8.71 ng	388363	Phenanthrene-d10	11.23

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	1H-Cyclopropa[l]phenanthrene, 1a, ...	192	C15H12	000949-41-7	97
2		Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	96
3		Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
4		Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	96
5		Anthracene, 2-methyl-	192	C15H12	000613-12-7	96



Data Path : U:\HPCHEM1\BNA_F\DATA\BF011518\
Data File : BF102086.D
Acq On : 16 Jan 2018 1:47
Operator : SJ/JU
Sample : J1136-01
Misc :
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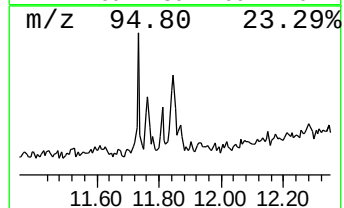
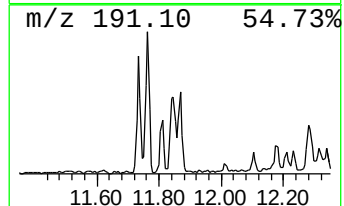
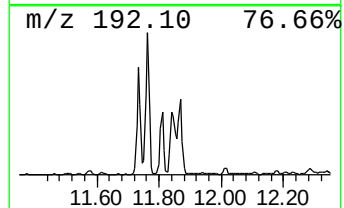
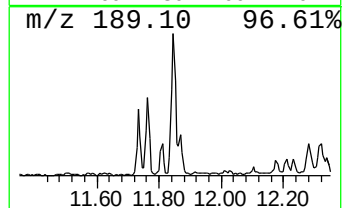
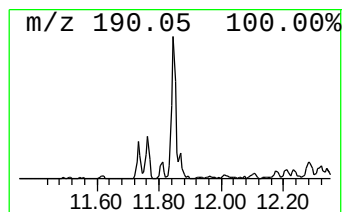
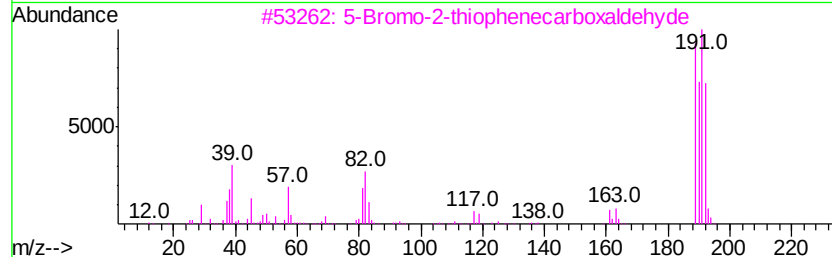
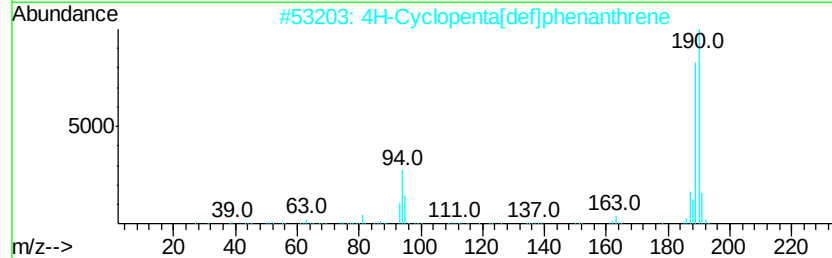
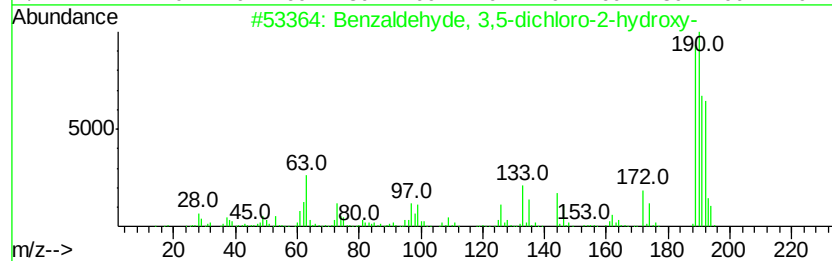
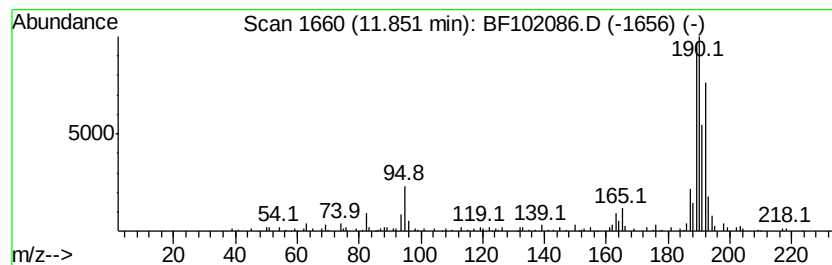
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ClientSampleId :
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Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF010918.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 9 Benzaldehyde, 3,5-dichloro-... Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.	
11.85	4.83 ng	215202	Phenanthrene-d10	11.23	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzaldehyde, 3,5-dichloro-2-hyd...	190	C7H4Cl2O2	000090-60-8	72
2	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	60
3	5-Bromo-2-thiophenecarboxaldehyde	190	C5H3BrOS	004701-17-1	58
4	2,3,5,6-Tetramethylterephthalald...	190	C12H14O2	007072-01-7	38
5	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	38



Data Path : U:\HPCHEM1\BNA_F\DATA\BF011518\
Data File : BF102086.D
Acq On : 16 Jan 2018 1:47
Operator : SJ/JU
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ALS Vial : 25 Sample Multiplier: 1

Instrument :
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ClientSampleId :
EPE-106-4(0-5)

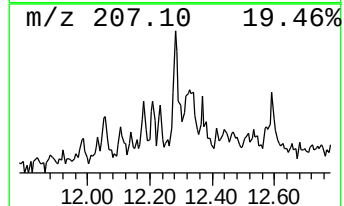
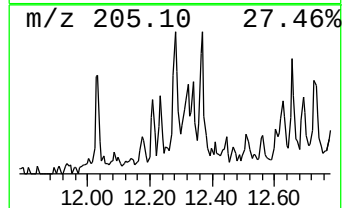
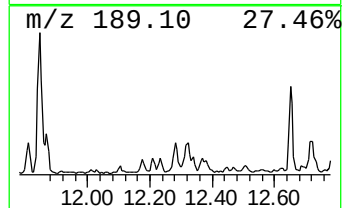
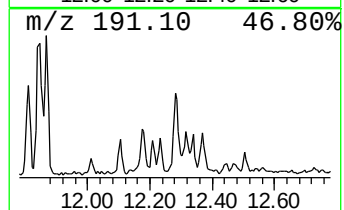
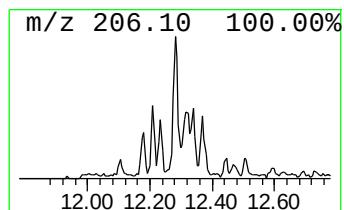
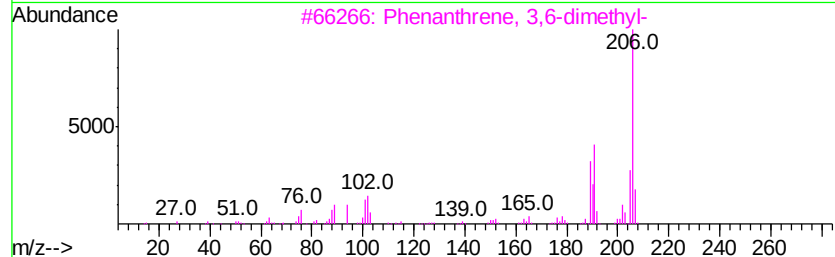
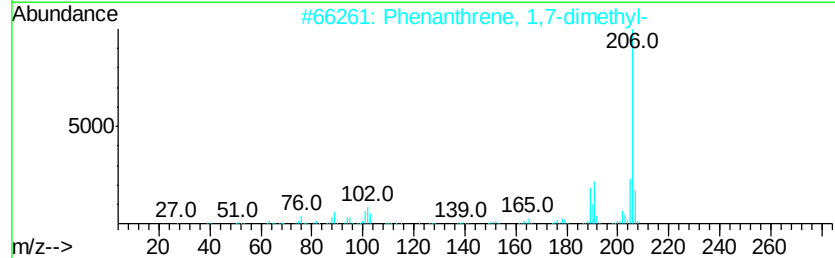
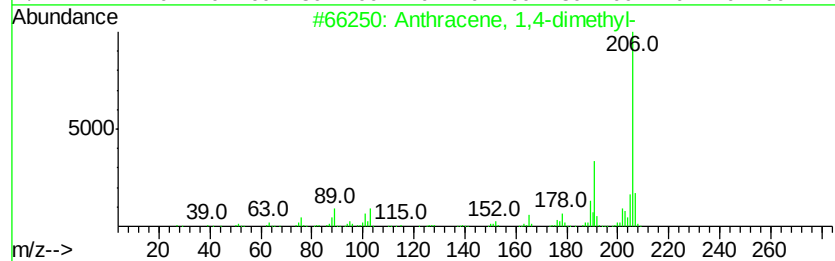
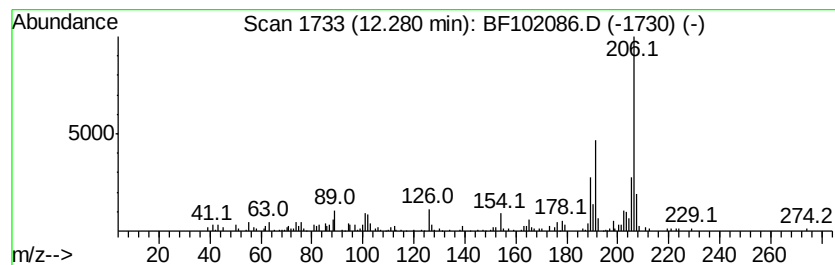
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 10 Anthracene, 1,4-dimethyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.28	2.77 ng	123618	Phenanthrene-d10	11.23

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Anthracene, 1,4-dimethyl-	206	C16H14	000781-92-0	93
2		Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	92
3		Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	91
4		9,10-Dimethylantracene	206	C16H14	000781-43-1	91
5		Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	91



Data Path : U:\HPCHEM1\BNA F\DATA\BF011518\
Data File : BF102086.D
Acq On : 16 Jan 2018 1:47
Operator : SJ/JU
Sample : J1136-01
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument :
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ClientSampleId :
EPE-106-4(0-5)

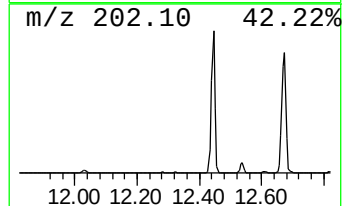
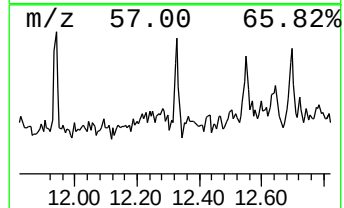
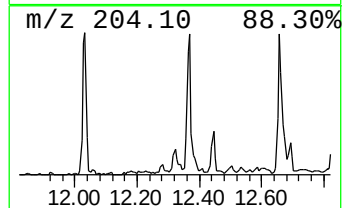
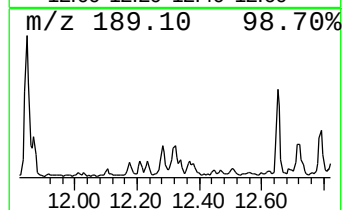
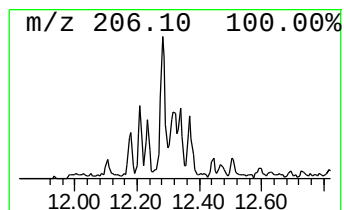
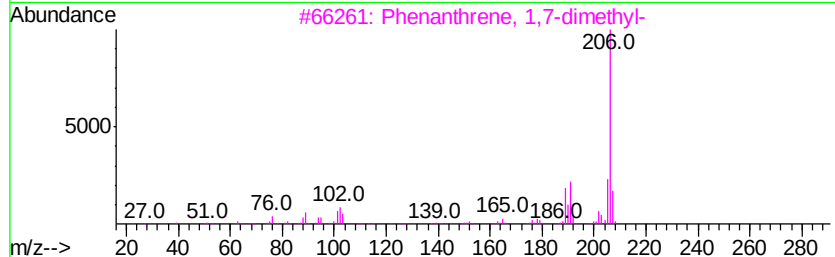
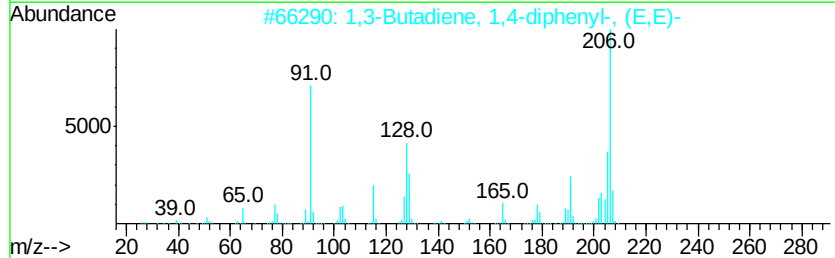
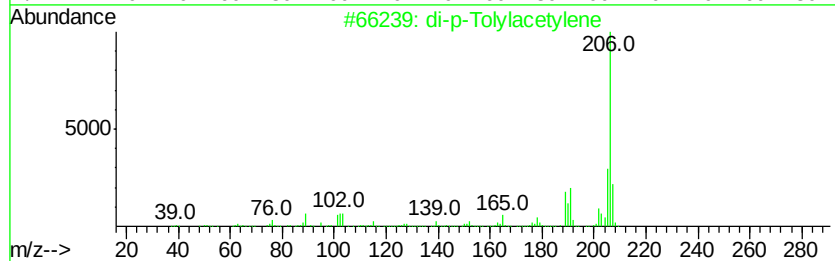
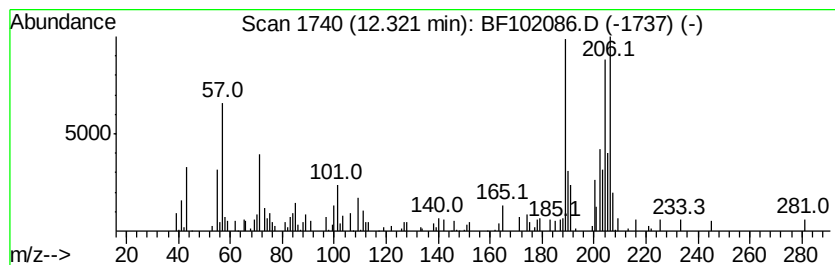
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 11 unknown12.32 Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.32	2.48 ng	110486	Phenanthrene-d10	11.23

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			di-p-Tolylacetylene	206	C16H14	002789-88-0	38
2			1,3-Butadiene, 1,4-diphenyl-, (E...	206	C16H14	000538-81-8	30
3			Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	30
4			4-(Trifluoromethoxy)benzoic acid	206	C8H5F3O3	000330-12-1	27
5			[1,1'-Biphenyl]-4-ol, 4'-chloro-	204	C12H9ClO	028034-99-3	25



Data Path : U:\HPCHEM1\BNA F\DATA\BF011518\
Data File : BF102086.D
Acq On : 16 Jan 2018 1:47
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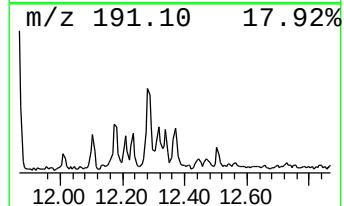
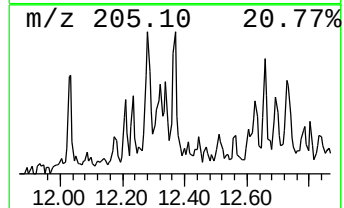
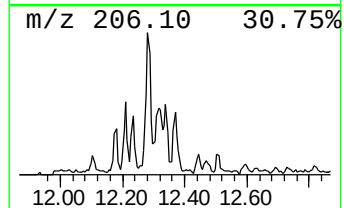
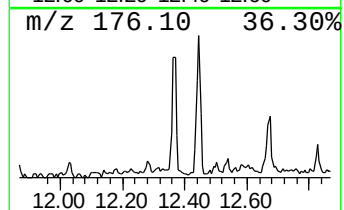
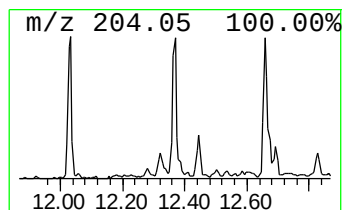
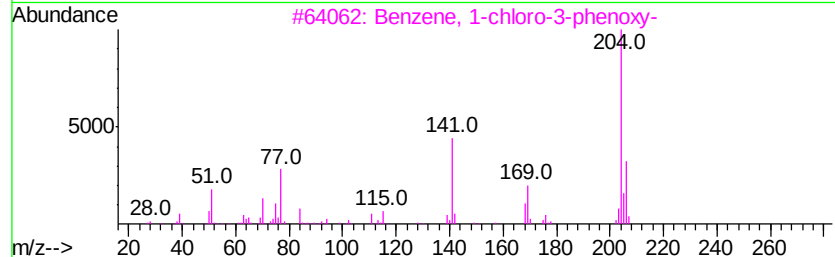
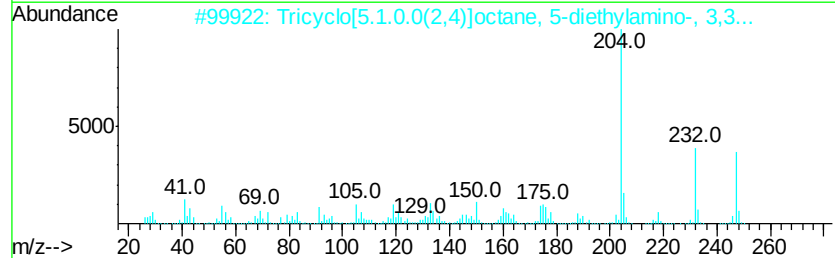
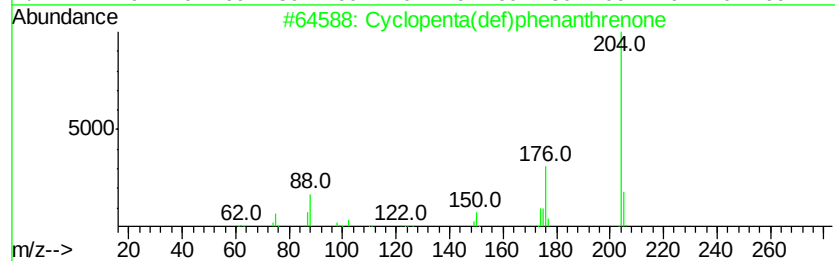
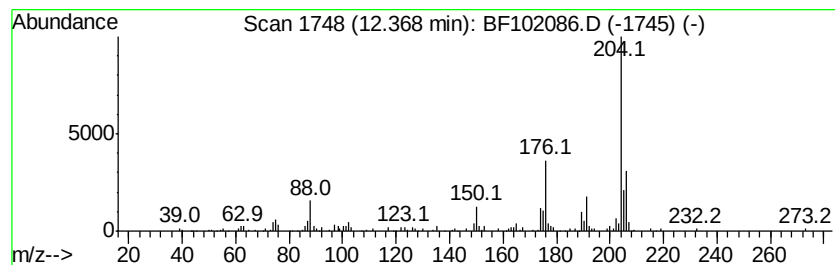
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 12 Cyclopenta(def)phenanthrenone Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.37	3.26 ng	145557	Phenanthrene-d10	11.23

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	90
2		Tricyclo[5.1.0.0(2,4)]octane, 5-...	247	C17H29N	1000063-59-3	50
3		Benzene, 1-chloro-3-phenoxy-	204	C12H9ClO	006452-49-9	47
4		[1,1'-Biphenyl]-2-ol, 5-chloro-	204	C12H9ClO	000607-12-5	47
5		[1,1'-Biphenyl]-4-ol, 4'-chloro-	204	C12H9ClO	028034-99-3	46



Data Path : U:\HPCHEM1\BNA F\DATA\BF011518\
Data File : BF102086.D
Acq On : 16 Jan 2018 1:47
Operator : SJ/JU
Sample : J1136-01
Misc :
ALS Vial : 25 Sample Multiplier: 1

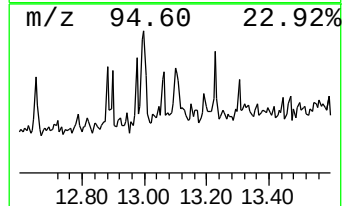
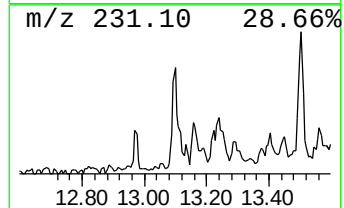
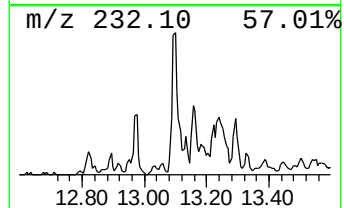
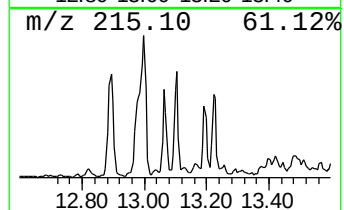
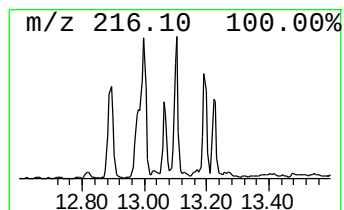
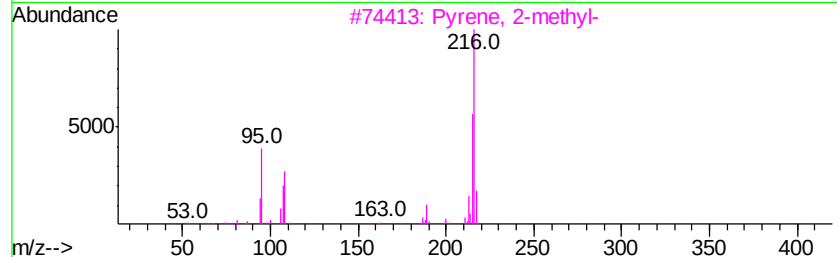
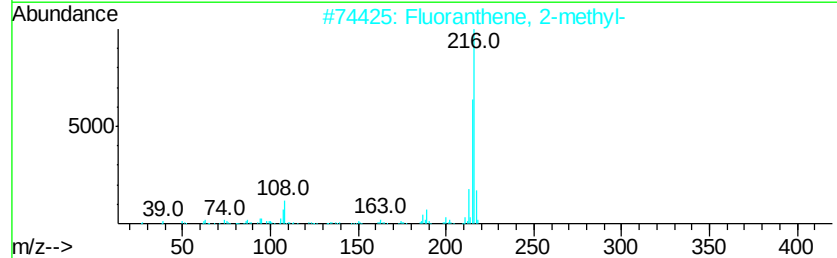
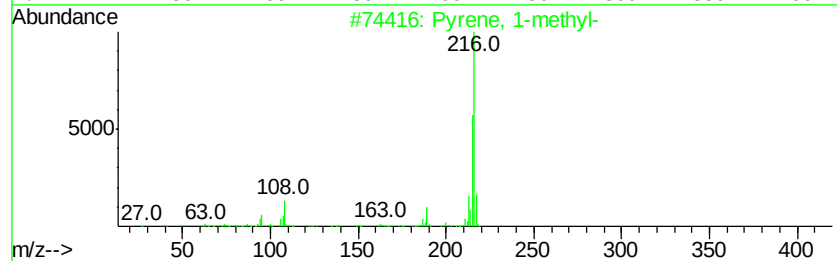
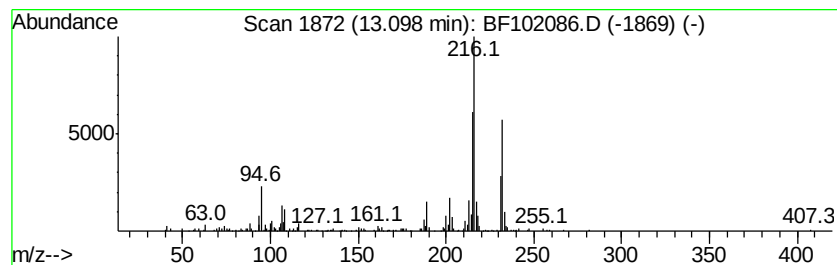
Instrument :
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ClientSampleId :
EPE-106-4(0-5)

Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF010918.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 14 Pyrene, 1-methyl- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.10	2.45 ng	245870	Chrysene-d12	13.87
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1		Pyrene, 1-methyl-	216 C17H12	002381-21-7 95
2		Fluoranthene, 2-methyl-	216 C17H12	033543-31-6 87
3		Pyrene, 2-methyl-	216 C17H12	003442-78-2 78
4		Pyrene, 4-methyl-	216 C17H12	003353-12-6 50
5		11H-Benzo[a]fluorene	216 C17H12	000238-84-6 49



Data Path : U:\HPCHEM1\BNA_F\DATA\BF011518\
Data File : BF102086.D
Acq On : 16 Jan 2018 1:47
Operator : SJ/JU
Sample : J1136-01
Misc :
ALS Vial : 25 Sample Multiplier: 1

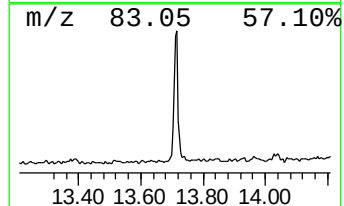
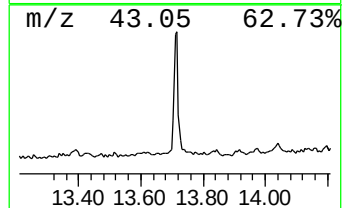
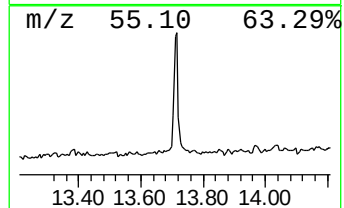
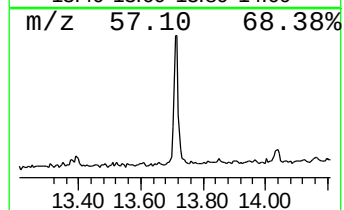
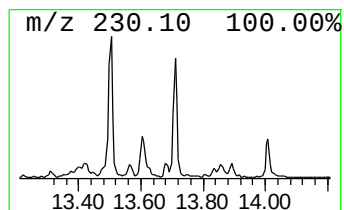
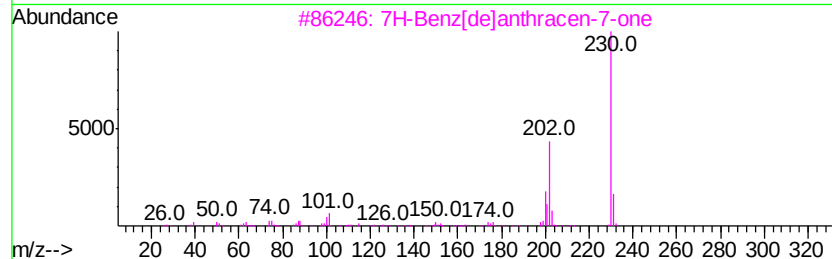
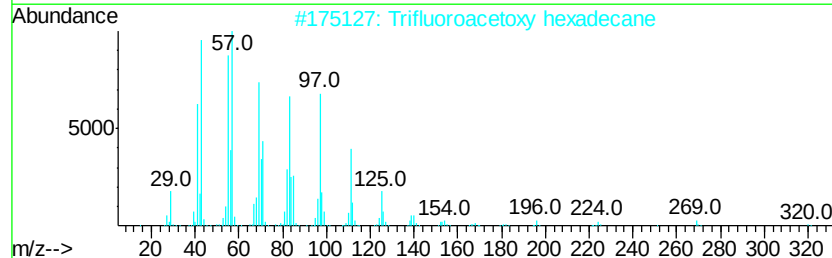
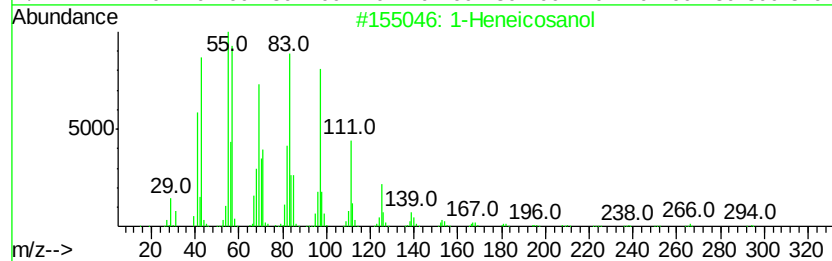
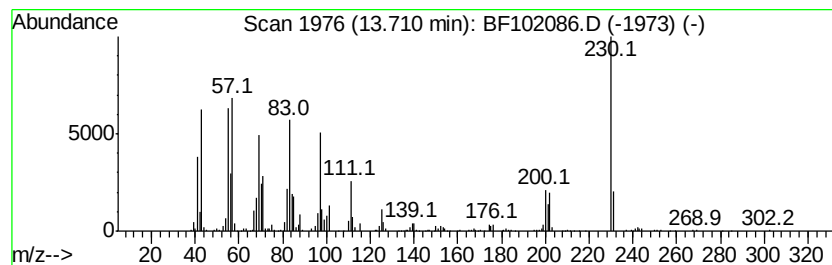
Instrument :
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ClientSampleId :
EPE-106-4(0-5)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF010918.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 15 1-Heneicosanol Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.	
13.71	6.70 ng	672840	Chrysene-d12	13.87	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Heneicosanol	312	C21H44O	015594-90-8	81
2	Trifluoroacetoxy hexadecane	338	C18H33F3O2	006222-03-3	56
3	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	50
4	Heptadecyl trifluoroacetate	352	C19H35F3O2	1000351-87-0	47
5	Heptafluorobutyric acid, hexadec...	438	C20H33F7O2	006385-15-5	47



Data Path : U:\HPCHEM1\BNA F\DATA\BF011518\
Data File : BF102086.D
Acq On : 16 Jan 2018 1:47
Operator : SJ/JU
Sample : J1136-01
Misc :
ALS Vial : 25 Sample Multiplier: 1

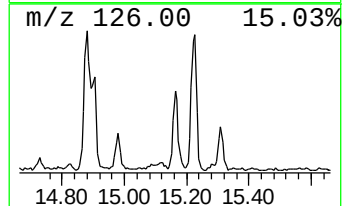
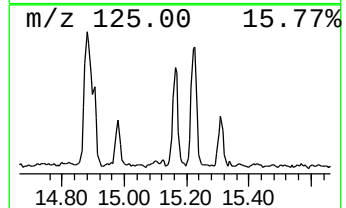
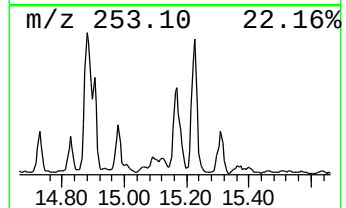
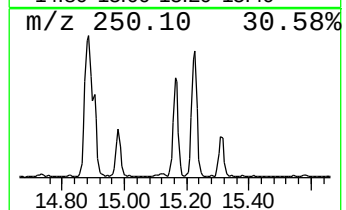
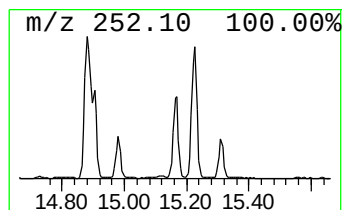
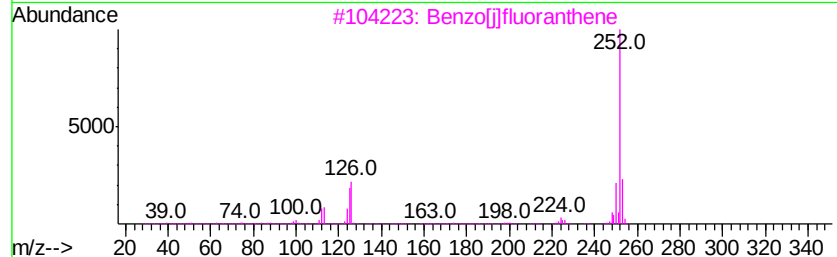
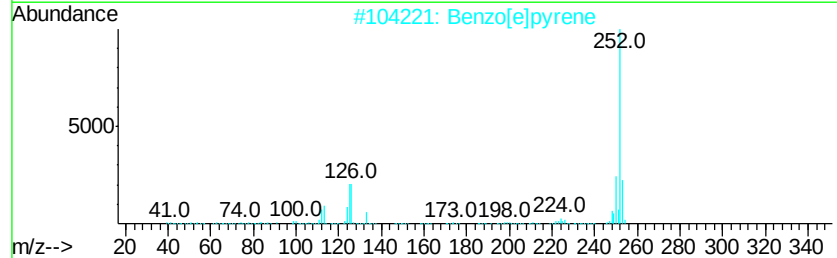
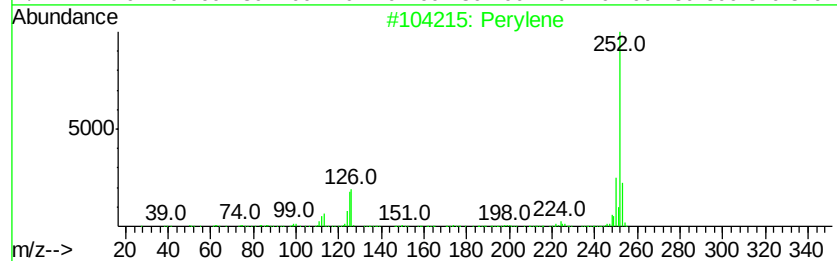
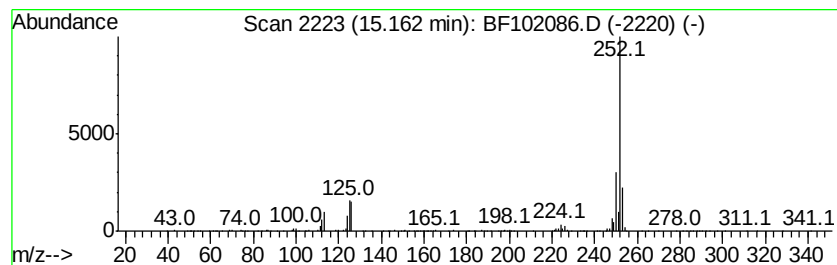
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ClientSampleId :
EPE-106-4(0-5)

Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF010918.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 17 Perylene Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.	
15.16	15.31 ng	561137	Perylene-d12	15.29	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Perylene	252	C20H12	000198-55-0	99
2	Benzo[el]pyrene	252	C20H12	000192-97-2	99
3	Benzo[i]lfluoranthene	252	C20H12	000205-82-3	98
4	Benz[el]acephenanthrylene	252	C20H12	000205-99-2	98
5	Benzo[a]pyrene	252	C20H12	000050-32-8	95



Data Path : U:\HPCHEM1\BNA_F\DATA\BF011518\
Data File : BF102086.D
Acq On : 16 Jan 2018 1:47
Operator : SJ/JU
Sample : J1136-01
Misc :
ALS Vial : 25 Sample Multiplier: 1

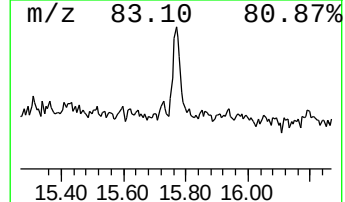
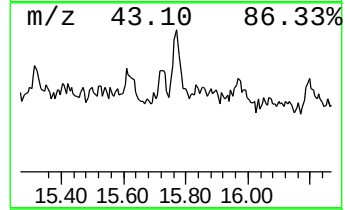
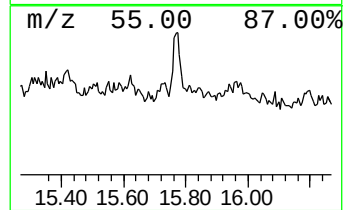
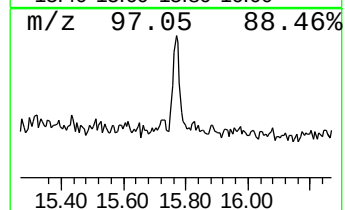
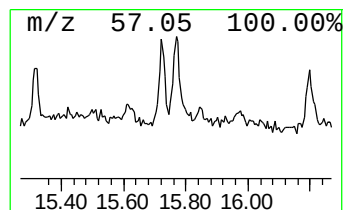
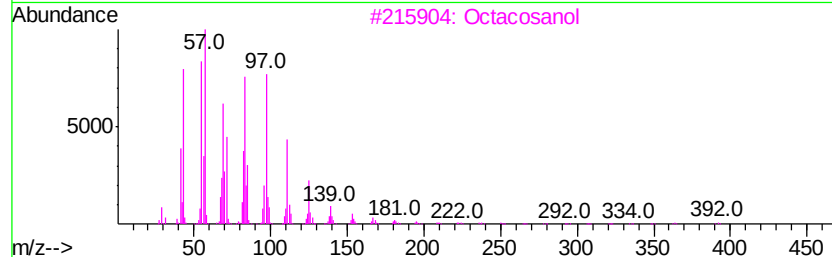
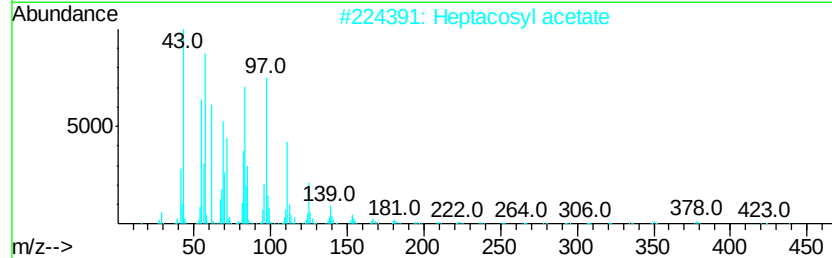
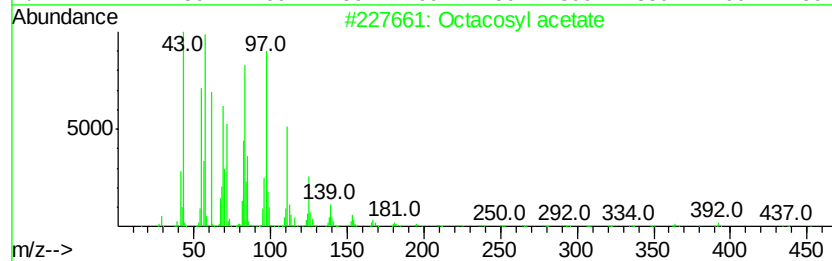
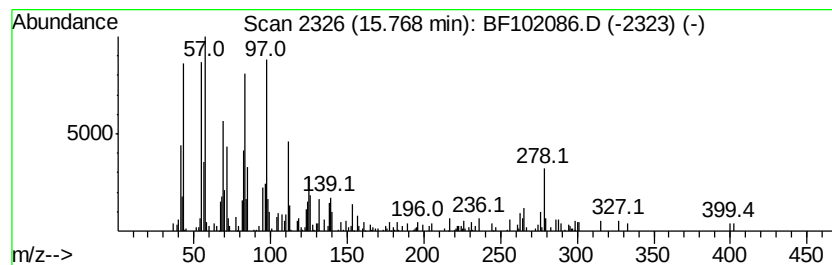
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ClientSampleId :
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Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF010918.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 18 Octacosyl acetate Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD		R.T.
15.77	3.52 ng	129201	Perylene-d12		15.29
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octacosyl acetate	452	C30H60O2	018206-97-8	93
2	Heptacosyl acetate	438	C29H58O2	1000351-78-2	76
3	Octacosanol	410	C28H58O	000557-61-9	76
4	Triaccontyl acetate	480	C32H64O2	041755-58-2	76
5	1-Docosene	308	C22H44	001599-67-3	74



Data Path : U:\HPCHEM1\BNA F\DATA\BF011518\
Data File : BF102086.D
Acq On : 16 Jan 2018 1:47
Operator : SJ/JU
Sample : J1136-01
Misc :
ALS Vial : 25 Sample Multiplier: 1

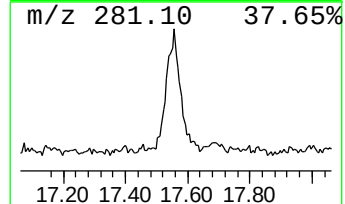
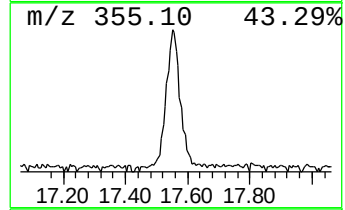
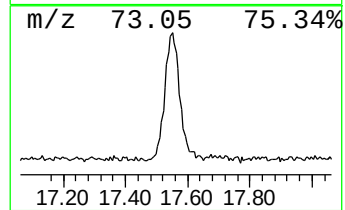
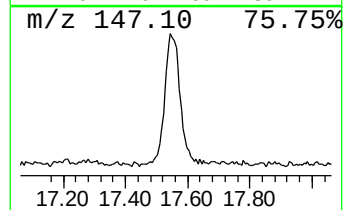
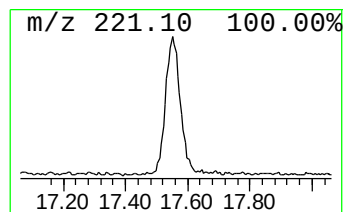
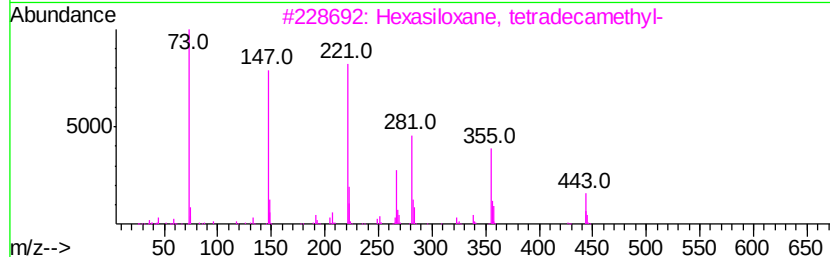
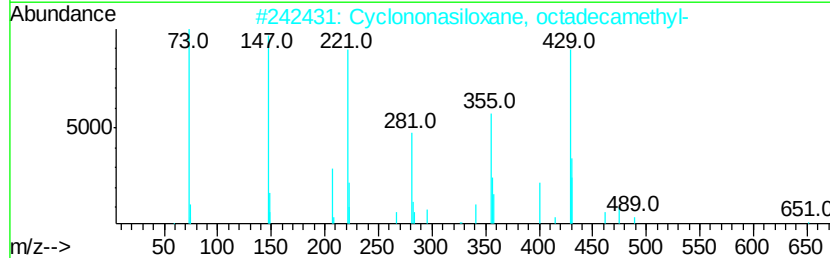
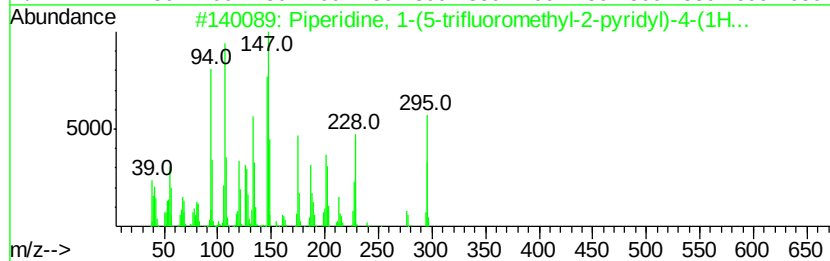
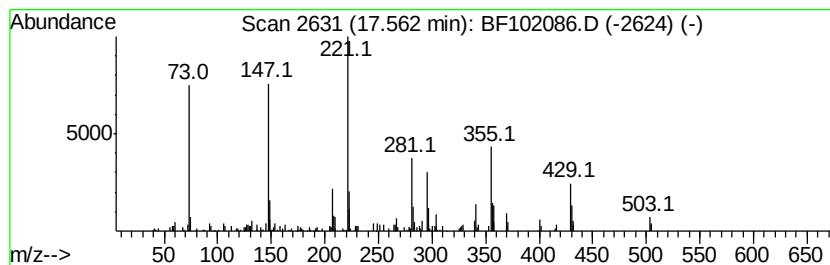
Instrument :
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ClientSampleId :
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Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF010918.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 19 Piperidine, 1-(5-trifluoromethyl-2-pyridyl)-4-(1H... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.	
17.56	14.86 ng	544640	Perylene-d12	15.29	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Piperidine, 1-(5-trifluoromethyl...	295	C15H16F3N3	1000268-74-7	91
2	Cyclononasiloxane, octadecamethyl-	666	C18H54O9Si9	000556-71-8	90
3	Hexasiloxane, tetradecamethyl-	458	C14H42O5Si6	000107-52-8	49
4	2-Amino-2-oxo-acetic acid, N-[3,...	221	C12H15N03	024451-17-0	37
5	3,6-Dioxa-2,4,5,7-tetrasilaoctan...	294	C10H30O2Si4	004342-25-0	37



Data Path : U:\HPCHEM1\BNA F\DATA\BF011518\
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Acq On : 16 Jan 2018 1:47
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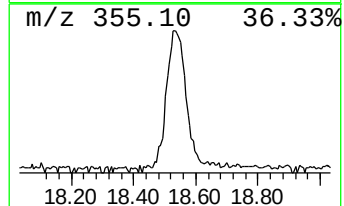
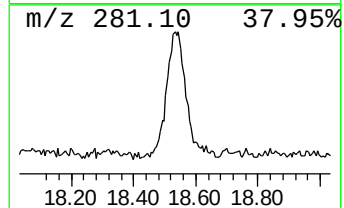
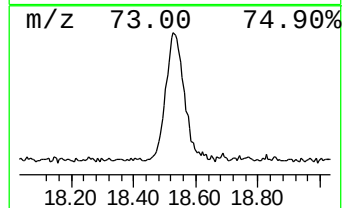
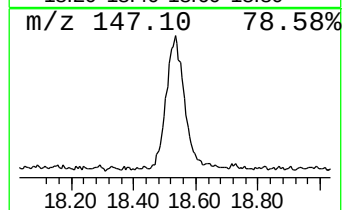
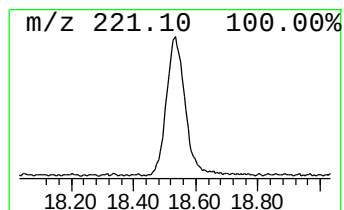
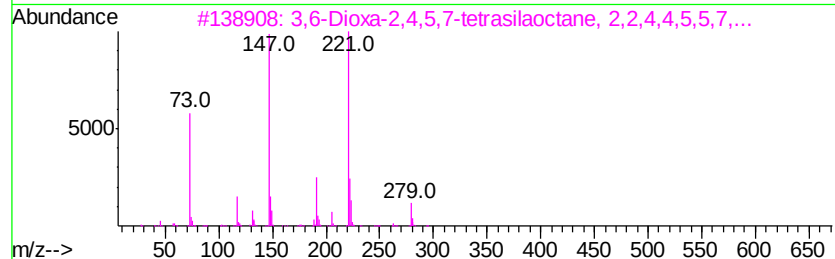
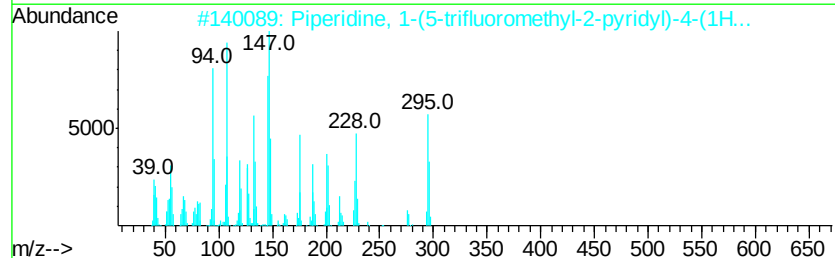
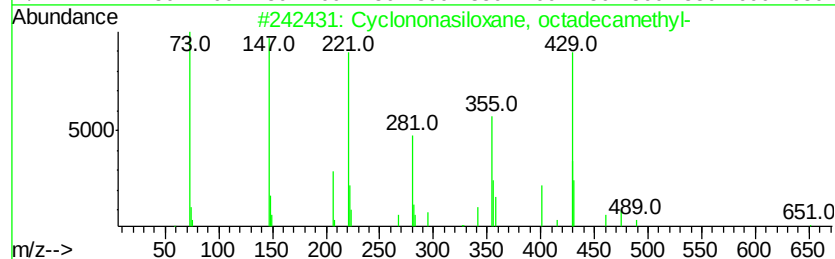
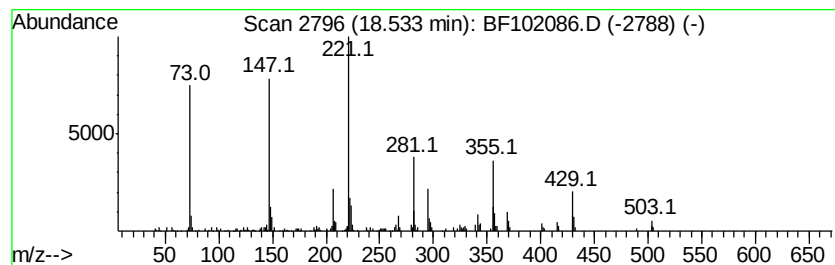
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ClientSampleId :
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Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF010918.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 20 Cyclononasiloxane, octadeca... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.		
18.53	19.24 ng	705274	Perylene-d12	15.29		
Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		Cyclononasiloxane, octadecamethyl-	666	C18H54O9Si9	000556-71-8	76
2		Piperidine, 1-(5-trifluoromethyl...	295	C15H16F3N3	1000268-74-7	53
3		3,6-Dioxa-2,4,5,7-tetrasilaoctan...	294	C10H30O2Si4	004342-25-0	38
4		Mercaptoacetic acid, bis(trimeth...	236	C8H20O2SSi2	006398-62-5	38
5		Hexasiloxane, tetradecamethyl-	458	C14H42O5Si6	000107-52-8	35



Data Path : U:\HPCHEM1\BNA_F\DATA\BF011518\
 Data File : BF102086.D
 Acq On : 16 Jan 2018 1:47
 Operator : SJ/JU
 Sample : J1136-01
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
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 ClientSampleId :
 EPE-106-4(0-5)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF010918.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

TIC Top Hit name	RT	EstConc	Units	Response	--Internal Standard--			
					#	RT	Resp	Conc
2-Pentanone, 4-hy...	4.93	6.1 ng		331669	1	6.72	1082290	20.0
unknown6.49	6.49	76.8 ng		4153920	1	6.72	1082290	20.0
Hexadecane	9.69	2.8 ng		171877	3	9.76	1208420	20.0
5-Ethyldecane	10.66	4.9 ng		217476	4	11.23	891643	20.0
Phenanthrene, 1-m...	11.73	2.9 ng		129865	4	11.23	891643	20.0
1H-Cyclopropa[l]p...	11.76	8.7 ng		388363	4	11.23	891643	20.0
Benzaldehyde, 3,5...	11.85	4.8 ng		215202	4	11.23	891643	20.0
Anthracene, 1,4-d...	12.28	2.8 ng		123618	4	11.23	891643	20.0
unknown12.32	12.32	2.5 ng		110486	4	11.23	891643	20.0
Cyclopenta(def)ph...	12.37	3.3 ng		145557	4	11.23	891643	20.0
Pyrene, 1-methyl-	13.10	2.5 ng		245870	5	13.87	2009840	20.0
1-Heneicosanol	13.71	6.7 ng		672840	5	13.87	2009840	20.0
Perylene	15.16	15.3 ng		561137	6	15.29	733243	20.0
Octacosyl acetate	15.77	3.5 ng		129201	6	15.29	733243	20.0
Piperidine, 1-(5-...	17.56	14.9 ng		544640	6	15.29	733243	20.0
Cyclononasiloxane...	18.53	19.2 ng		705274	6	15.29	733243	20.0