Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF102919\
Data File : BF117581.D
Acq On : 29 Oct 2019 10:57
Operator : JU
Sample : K5563-10
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-2

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

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

Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF101819.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	4.928	477	483	501	rBV	130421	192973	17.87%	1.411%
2	5.304	544	547	553	rBV2	10803	17324	1.60%	0.127%
3	5.357	553	556	575	rVV	778415	924459	85.61%	6.759%
4	5.487	575	578	583	rVB3	11607	16432	1.52%	0.120%
5	5.739	616	621	625	rBV3	13257	21212	1.96%	0.155%
6	5.875	639	644	649	rVB2	20035	19129	1.77%	0.140%
7	5.969	657	660	663	rBV2	31262	34517	3.20%	0.252%
8	5.992	663	664	667	rVB2	17867	11404	1.06%	0.083%
9	6.028	667	670	672	rBV	18342	13770	1.28%	0.101%
10	6.157	687	692	695	rBV2	17727	21132	1.96%	0.155%
11	6.251	705	708	712	rBV	69995	70425	6.52%	0.515%
12	6.334	717	722	724	rBV3	11446	14383	1.33%	0.105%
13	6.386	727	731	740	rVV	861299	1024745	94.90%	7.493%
14	6.475	742	746	748	rVV3	32821	59472	5.51%	0.435%
15	6.504	748	751	756	rVV	1189639	1079843	100.00%	7.895%
16	6.551	756	759	762	rVV2	35356	48045	4.45%	0.351%
17	6.581	762	764	766	rVB	20439	16688	1.55%	0.122%
18	6.728	785	789	796	rVB2	320148	345480	31.99%	2.526%
19	6.786	796	799	801	rVV	21539	21320	1.97%	0.156%
20	6.816	801	804	807	rVV3	12685	19313	1.79%	0.141%
21	6.881	811	815	822	rVB	781487	749095	69.37%	5.477%
22	6.992	830	834	839	rVB4	34824	45897	4.25%	0.336%
23	7.116	852	855	858	rVV2	22598	20577	1.91%	0.150%
24	7.145	858	860	867	rVB6	14060	16125	1.49%	0.118%
25	7.292	882	885	894	rBV	558492	599177	55.49%	4.381%
26	8.010	1003	1007	1028	rBV	365367	396192	36.69%	2.897%
27	9.080	1185	1189	1201	rBV	974726	871037	80.66%	6.369%
28	9.480	1254	1257	1265	rBV	142042	130879	12.12%	0.957%
29	9.757	1301	1304	1308	rBV	418514	393969	36.48%	2.881%
30	9.792	1308	1310	1318	rVB	28937	28054	2.60%	0.205%
31	10.316	1395	1399	1403	rBV	12680	12787	1.18%	0.093%
32	10.557	1436	1440	1449	rBV	416178	473792	43.88%	3.464%
33	11.245	1554	1557	1559	rBV	340524	305430	28.28%	2.233%
34	11.269	1559	1561	1567	rVV	188864	186777	17.30%	1.366%

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF102919\
Data File : BF117581.D
Acq On : 29 Oct 2019 10:57
Operator : JU
Sample : K5563-10
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TP-2

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

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

Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF101819.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	11.327	1567	1571	1574	rVB	25845	27864	2.58%	0.204%
36	11.492	1595	1599	1604	rBV2	12678	17259	1.60%	0.126%
37	11.751	1641	1643	1645	rBV	15845	13737	1.27%	0.100%
38	11.774	1645	1647	1653	rVV4	85177	107030	9.91%	0.783%
39	11.821	1653	1655	1659	rVV3	17877	22368	2.07%	0.164%
40	11.863	1659	1662	1663	rVV	37515	32152	2.98%	0.235%
41	11.880	1663	1665	1671	rVB2	39462	38756	3.59%	0.283%
42	11.933	1671	1674	1678	rVB2	22069	25874	2.40%	0.189%
43	11.980	1679	1682	1686	rVB	97899	82401	7.63%	0.602%
44	12.016	1686	1688	1691	rBV2	18412	19129	1.77%	0.140%
45	12.092	1696	1701	1707	rVB	119365	117461	10.88%	0.859%
46	12.180	1712	1716	1720	rBV	87535	69408	6.43%	0.507%
47	12.227	1720	1724	1727	rBV	72681	78131	7.24%	0.571%
48	12.263	1727	1730	1734	rVB2	17761	19274	1.78%	0.141%
49	12.333	1739	1742	1745	rBV4	13212	16782	1.55%	0.123%
50	12.398	1749	1753	1757	rBV4	9546	11382	1.05%	0.083%
51	12.463	1761	1764	1767	rBV	257336	229552	21.26%	1.678%
52	12.492	1767	1769	1773	rVB	117039	91081	8.43%	0.666%
53	12.557	1777	1780	1782	rBV3	21293	20509	1.90%	0.150%
54	12.692	1797	1803	1809	rBV	213687	232108	21.49%	1.697%
55	12.827	1822	1826	1830	rVB	600309	499555	46.26%	3.653%
56	12.863	1830	1832	1836	rVB3	10746	12240	1.13%	0.089%
57	12.915	1836	1841	1844	rBV5	14364	27349	2.53%	0.200%
58	12.963	1846	1849	1853	rVB	185351	161051	14.91%	1.178%
59	13.021	1853	1859	1863	rBV4	20569	40669	3.77%	0.297%
60	13.127	1872	1877	1882	rBV4	13479	22159	2.05%	0.162%
61	13.215	1889	1892	1896	rBV4	16672	23763	2.20%	0.174%
62	13.257	1896	1899	1901	rVV4	9715	13361	1.24%	0.098%
63	13.398	1919	1923	1925	rBV2	23332	25489	2.36%	0.186%
64	13.545	1945	1948	1951	rBV2	14848	13144	1.22%	0.096%
65	13.645	1959	1965	1967	rBV2	24914	33886	3.14%	0.248%
66	13.698	1971	1974	1975	rVV	20341	20812	1.93%	0.152%
67	13.727	1975	1979	1990	rVB5	78338	148612	13.76%	1.087%
68	13.892	2002	2007	2010	rBV2	320288	407547	37.74%	2.980%
69	13.915	2010	2011	2016	rVB	94249	81229	7.52%	0.594%
70	14.039	2029	2032	2034	rBV	57606	45708	4.23%	0.334%
71	14.180	2053	2056	2059	rVB	31173	26652	2.47%	0.195%

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF102919\
Data File : BF117581.D
Acq On : 29 Oct 2019 10:57
Operator : JU
Sample : K5563-10
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-2

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

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

Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF101819.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

72	14.262	2067	2070	2077	rBV3	135382	161467	14.95%	1.181%
73	14.327	2078	2081	2082	rVV2	18892	20217	1.87%	0.148%
74	14.362	2082	2087	2093	rVV3	274685	363823	33.69%	2.660%
75	14.421	2094	2097	2101	rVV6	27426	39270	3.64%	0.287%
76	14.462	2101	2104	2106	rVV2	198547	208200	19.28%	1.522%
77	14.486	2106	2108	2112	rVB	103639	89218	8.26%	0.652%
78	14.568	2119	2122	2123	rBV2	70353	65876	6.10%	0.482%
79	14.586	2123	2125	2129	rVB2	124782	120602	11.17%	0.882%
80	14.645	2131	2135	2137	rBV	125775	119592	11.07%	0.874%
81	14.692	2140	2143	2145	rBV2	35247	39388	3.65%	0.288%
82	14.921	2179	2182	2185	rBV	98944	137027	12.69%	1.002%
83	14.957	2185	2188	2192	rVB2	163092	207936	19.26%	1.520%
84	15.027	2198	2200	2205	rVB3	26253	27263	2.52%	0.199%
85	15.209	2228	2231	2235	rVB	50827	59486	5.51%	0.435%
86	15.274	2239	2242	2245	rVV	69103	77082	7.14%	0.564%
87	15.327	2245	2251	2255	rVV2	223549	401446	37.18%	2.935%
88	15.715	2313	2317	2322	rBV	92328	118345	10.96%	0.865%
89	15.945	2353	2356	2364	rVB5	31202	54149	5.01%	0.396%
90	16.186	2393	2397	2403	rVB2	49415	81783	7.57%	0.598%
91	16.351	2423	2425	2436	rVB5	36857	58504	5.42%	0.428%
92	16.750	2486	2493	2500	rVB4	37858	92136	8.53%	0.674%
93	17.180	2562	2566	2573	rVB4	20039	37304	3.45%	0.273%
94	17.368	2594	2598	2599	rBV4	14352	19326	1.79%	0.141%

Sum of corrected areas: 13676778

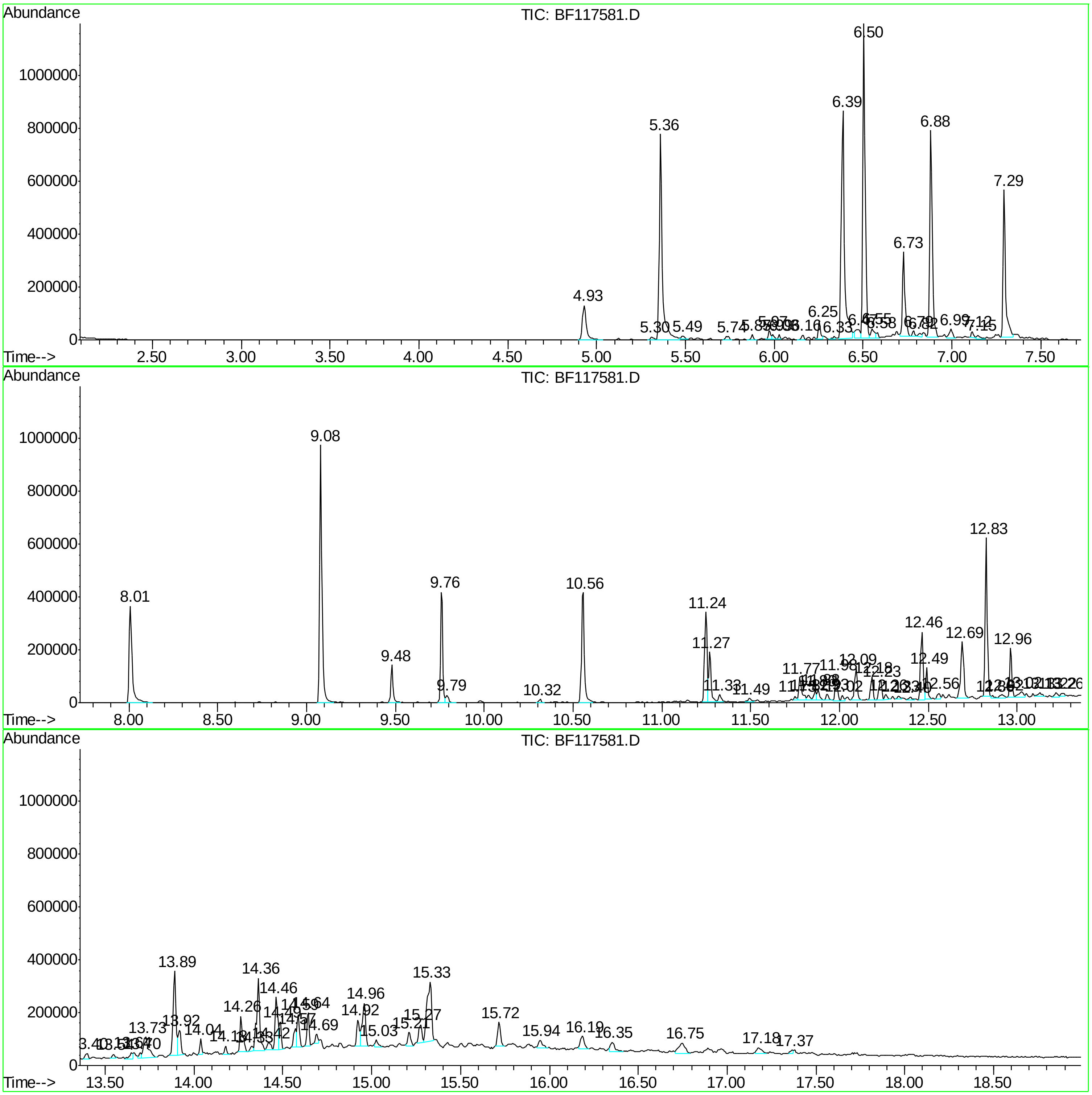
LSC Report - Integrated Chromatogram

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF102919\
Data File : BF117581.D
Acq On : 29 Oct 2019 10:57
Operator : JU
Sample : K5563-10
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-2

Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF101819.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF102919\
Data File : BF117581.D
Acq On : 29 Oct 2019 10:57
Operator : JU
Sample : K5563-10
Misc :
ALS Vial : 4 Sample Multiplier: 1

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

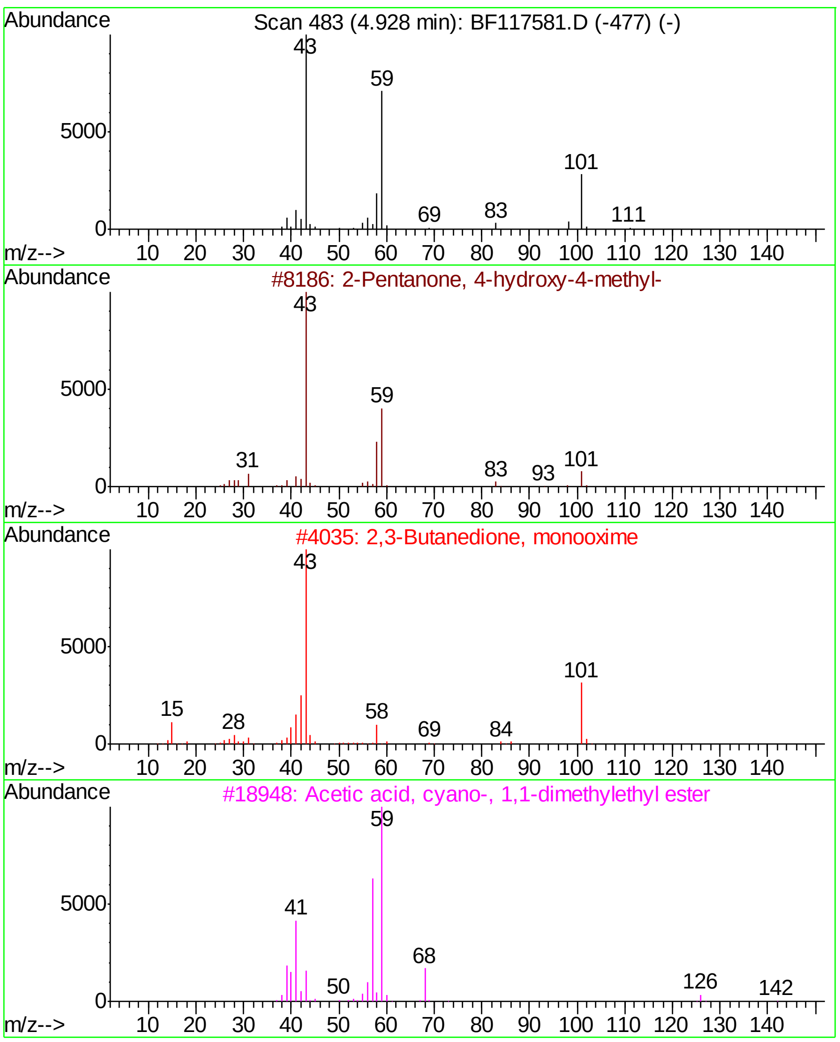
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

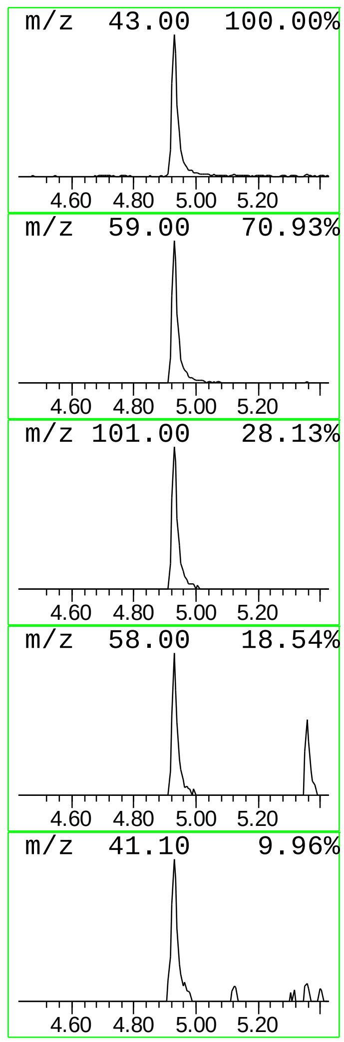
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.93	11.17 ng	192973	1,4-Dichlorobenzene-d4	6.73

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	56
2	2,3-Butanedione, monooxime	101	C4H7NO2	000057-71-6	17
3	Acetic acid, cyano-, 1,1-dimethy...	141	C7H11NO2	001116-98-9	17
4	Acetone	58	C3H6O	000067-64-1	10
5	Morpholine, 4-methyl-	101	C5H11NO	000109-02-4	9





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF102919\
Data File : BF117581.D
Acq On : 29 Oct 2019 10:57
Operator : JU
Sample : K5563-10
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-2

Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF101819.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

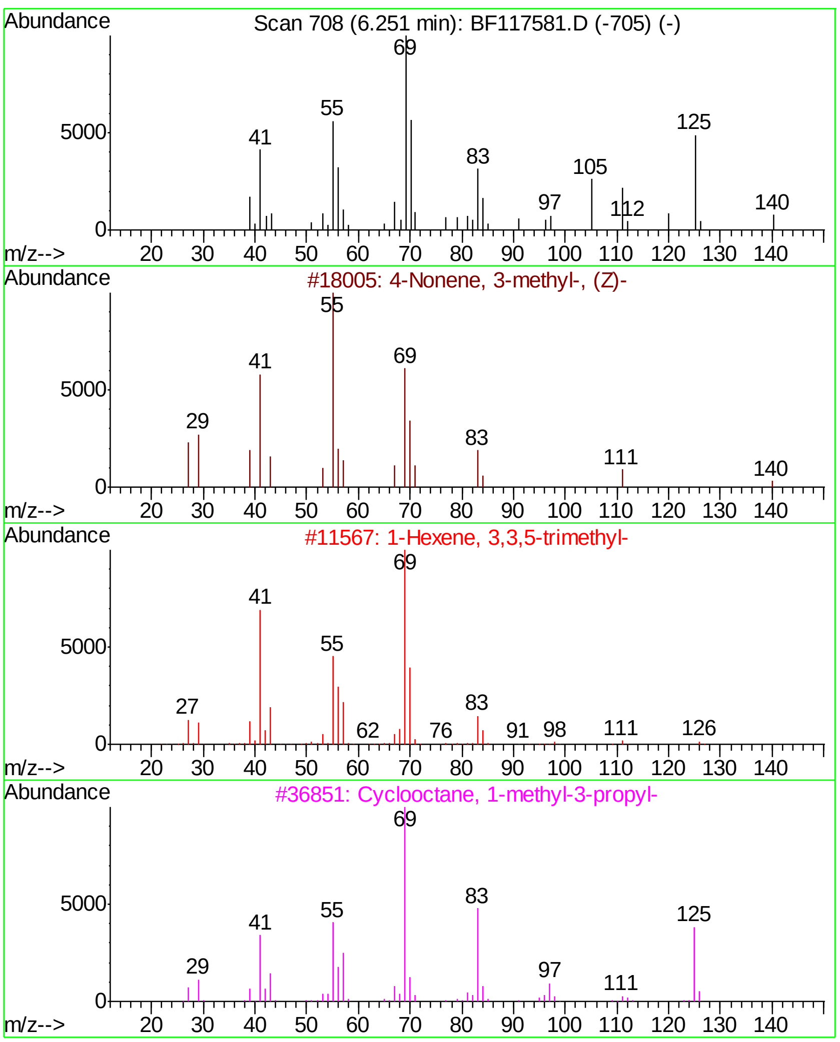
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

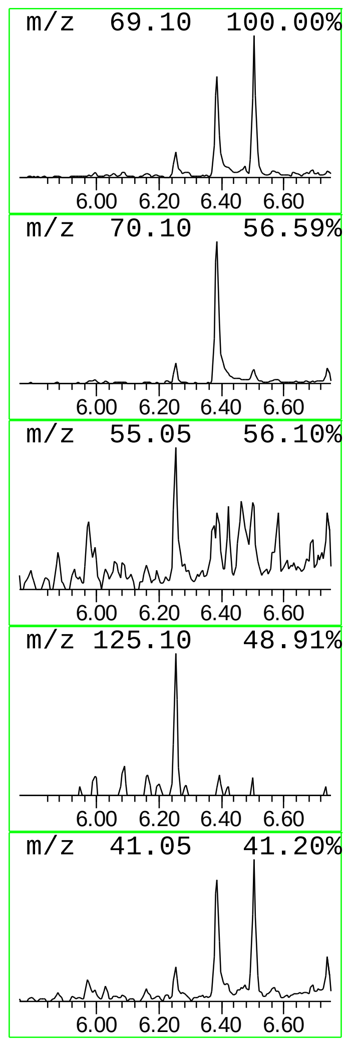
****

Peak Number 2 4-Nonene, 3-methyl-, (Z)- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.25	4.08 ng	70425	1,4-Dichlorobenzene-d4	6.73

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4-Nonene, 3-methyl-, (Z)-	140	C10H20	063830-69-3	53
2	1-Hexene, 3,3,5-trimethyl-	126	C9H18	013427-43-5	50
3	Cyclooctane, 1-methyl-3-propyl-	168	C12H24	255885-37-1	50
4	4-Octene, 2,6-dimethyl-, [S-(E)]-	140	C10H20	062960-76-3	49
5	Cyclopentane, 1-butyl-2-ethyl-	154	C11H22	072993-32-9	43





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF102919\
Data File : BF117581.D
Acq On : 29 Oct 2019 10:57
Operator : JU
Sample : K5563-10
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TP-2

Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF101819.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

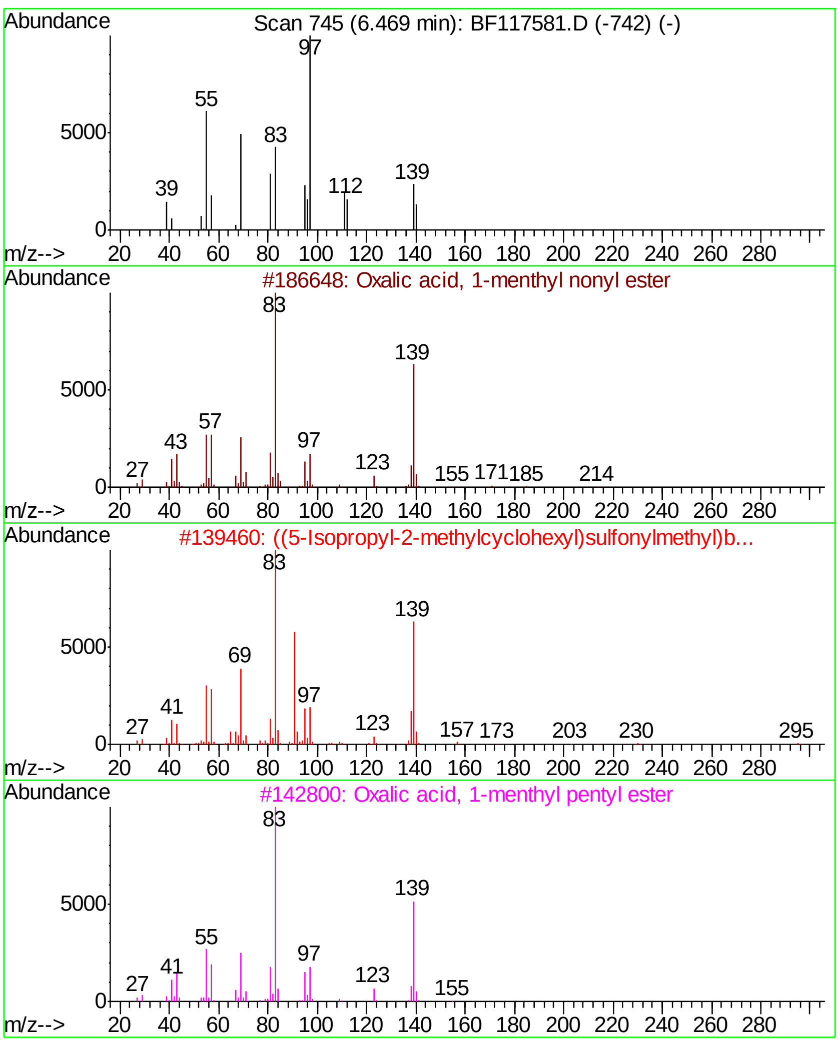
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

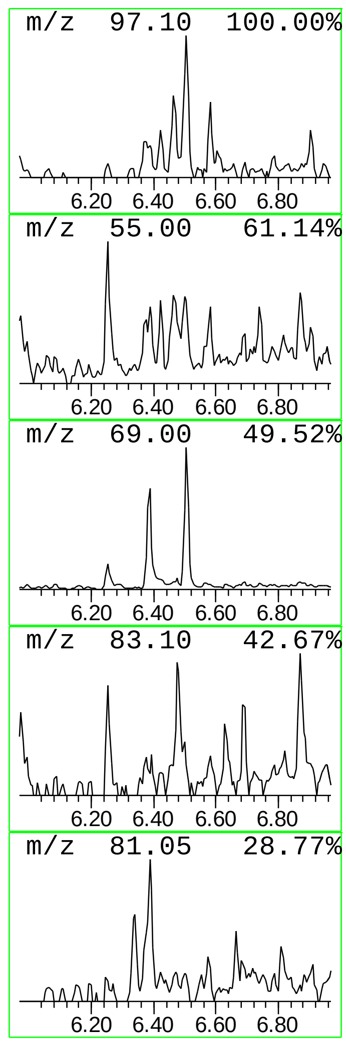
****

Peak Number 3 unknown6.47 Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.47	3.44 ng	59472	1,4-Dichlorobenzene-d4	6.73

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Oxalic acid, 1-menthyl nonyl ester	354	C21H38O4	1000314-97-7	47
2	((5-Isopropyl-2-methylcyclohexyl...	294	C17H26O2S	093542-25-7	47
3	Oxalic acid, 1-menthyl pentyl ester	298	C17H30O4	1000314-97-3	47
4	Oxalic acid, butyl 1-menthyl ester	284	C16H28O4	1000314-97-2	43
5	Oxalic acid, di(1-menthyl) ester	366	C22H38O4	1000314-98-6	43





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF102919\
Data File : BF117581.D
Acq On : 29 Oct 2019 10:57
Operator : JU
Sample : K5563-10
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-2

Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF101819.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

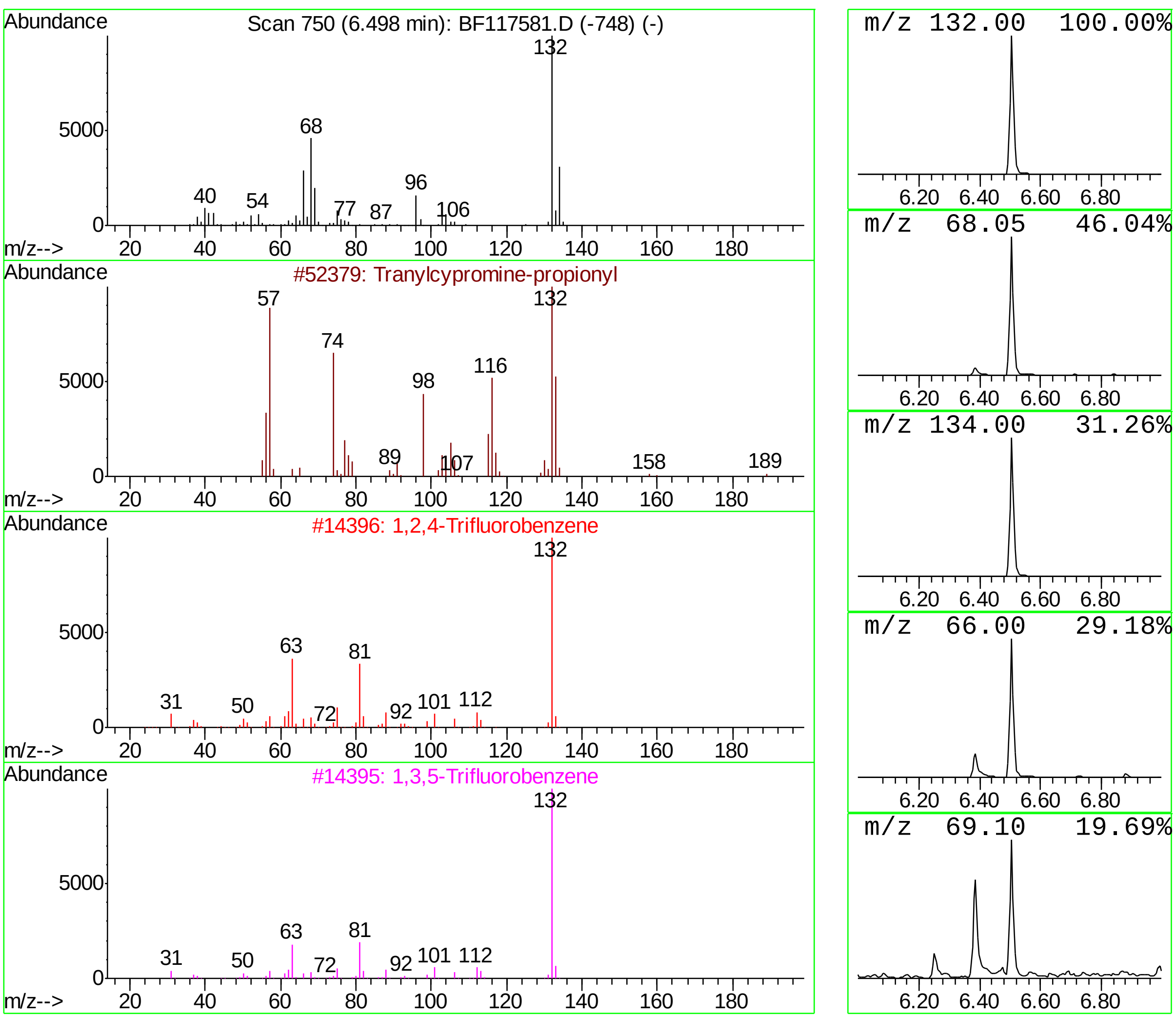
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****

Peak Number 4 unknown6.50 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.50	62.51 ng	1079840	1,4-Dichlorobenzene-d4	6.73

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tranylcypromine-propionyl	189	C12H15NO	1000123-86-3	12
2	1,2,4-Trifluorobenzene	132	C6H3F3	000367-23-7	9
3	1,3,5-Trifluorobenzene	132	C6H3F3	000372-38-3	9
4	(E)-3-Chloro-2-methyl-2-pentenal	132	C6H9ClO	031357-76-3	9
5	Bicyclo[4.2.0]octa-1,3,5-triene,...	132	C10H12	028749-81-7	9



Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF102919\
Data File : BF117581.D
Acq On : 29 Oct 2019 10:57
Operator : JU
Sample : K5563-10
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-2

Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF101819.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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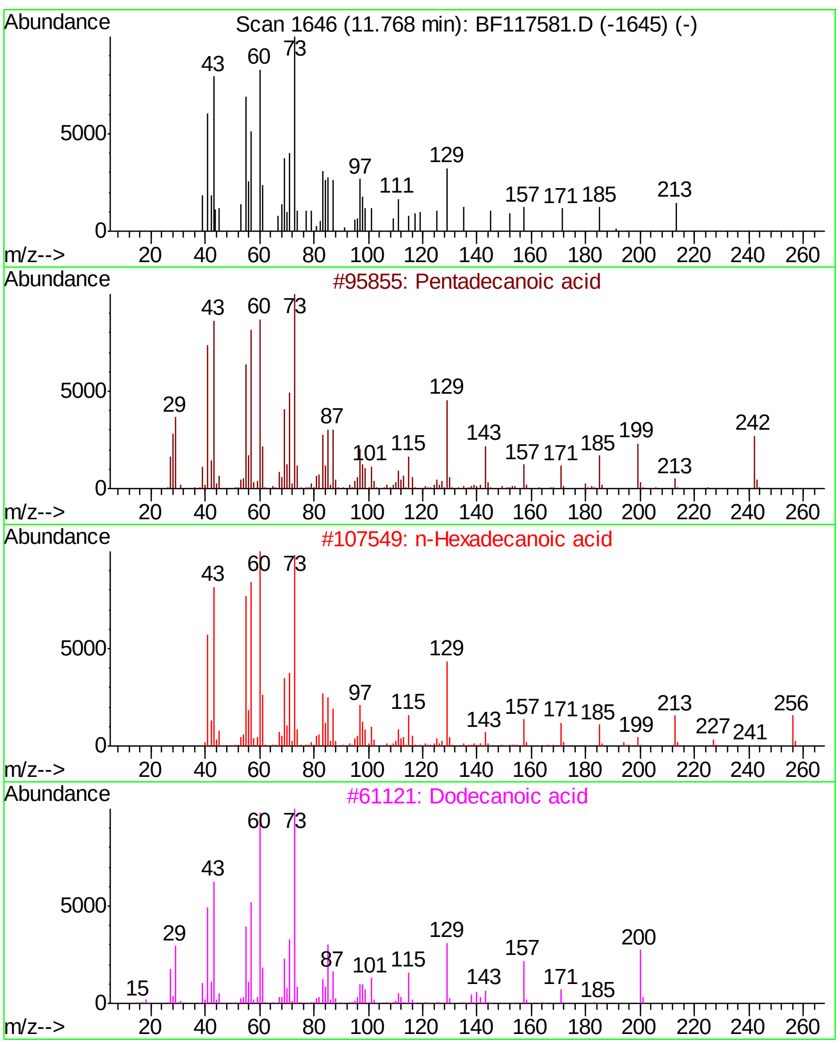
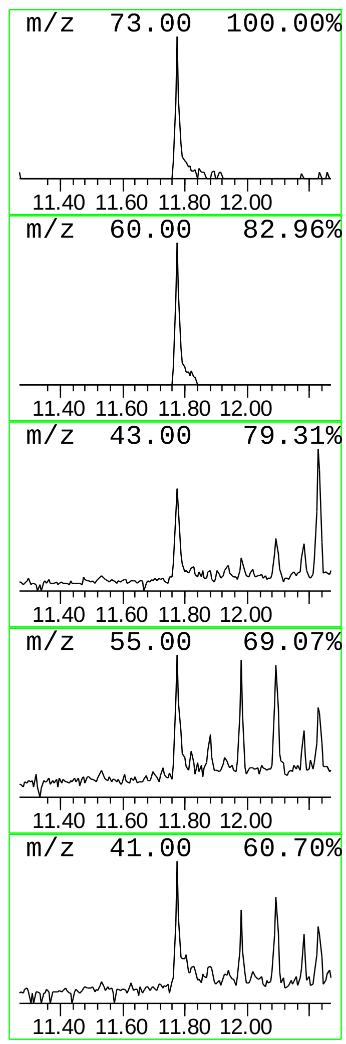
Peak Number 6 Pentadecanoic acid Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.77	7.01 ng	107030	Phenanthrene-d10	11.24

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentadecanoic acid	242	C15H30O2	001002-84-2	58
2	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	50
3	Dodecanoic acid	200	C12H24O2	000143-07-7	43
4	Sulfurous acid, octadecyl 2-prop...	376	C21H44O3S	1000309-12-7	20
5	Sulfurous acid, 2-propyl tetrade...	320	C17H36O3S	1000309-12-5	14





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF102919\
Data File : BF117581.D
Acq On : 29 Oct 2019 10:57
Operator : JU
Sample : K5563-10
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-2

Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF101819.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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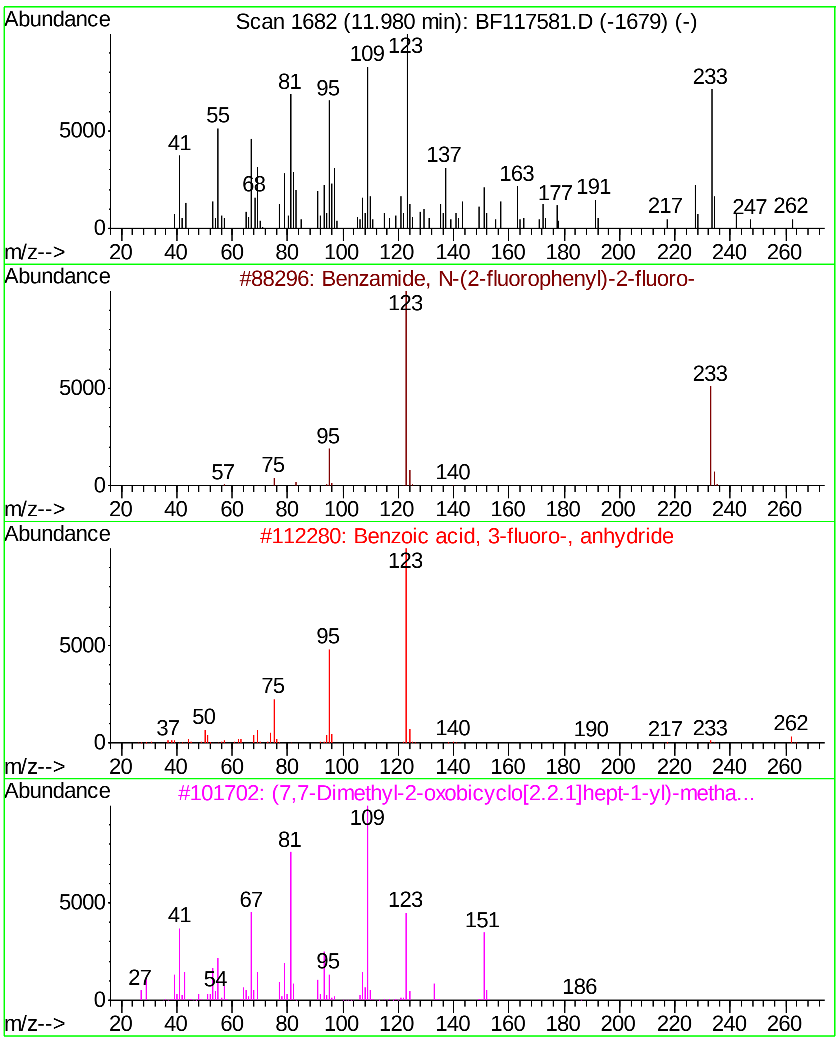
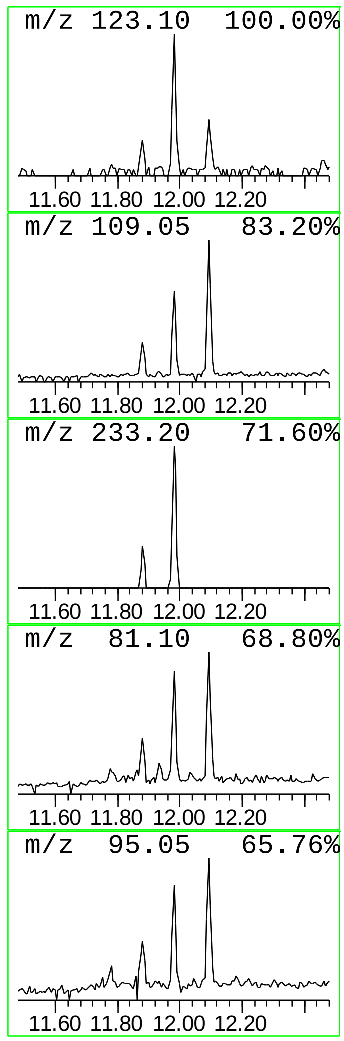
Peak Number 7 unknown11.98 Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.98	5.40 ng	82401	Phenanthrene-d10	11.24

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzamide, N-(2-fluorophenyl)-2-...	233	C13H9F2NO	1000308-09-1	38
2	Benzoic acid, 3-fluoro-, anhydride	262	C14H8F2O3	056666-54-7	22
3	(7,7-Dimethyl-2-oxobicyclo[2.2.1...	250	C10H15ClO3S	1000194-76-1	22
4	2(1H)-Pentalenone, hexahydro-4-i...	250	C8H11IO	077070-56-5	22
5	trans-3(10)-Caren-2-ol	152	C10H16O	1000151-66-5	18





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Acq On : 29 Oct 2019 10:57
Operator : JU
Sample : K5563-10
Misc :
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Instrument : BNA_F
ClientSampleId : TP-2

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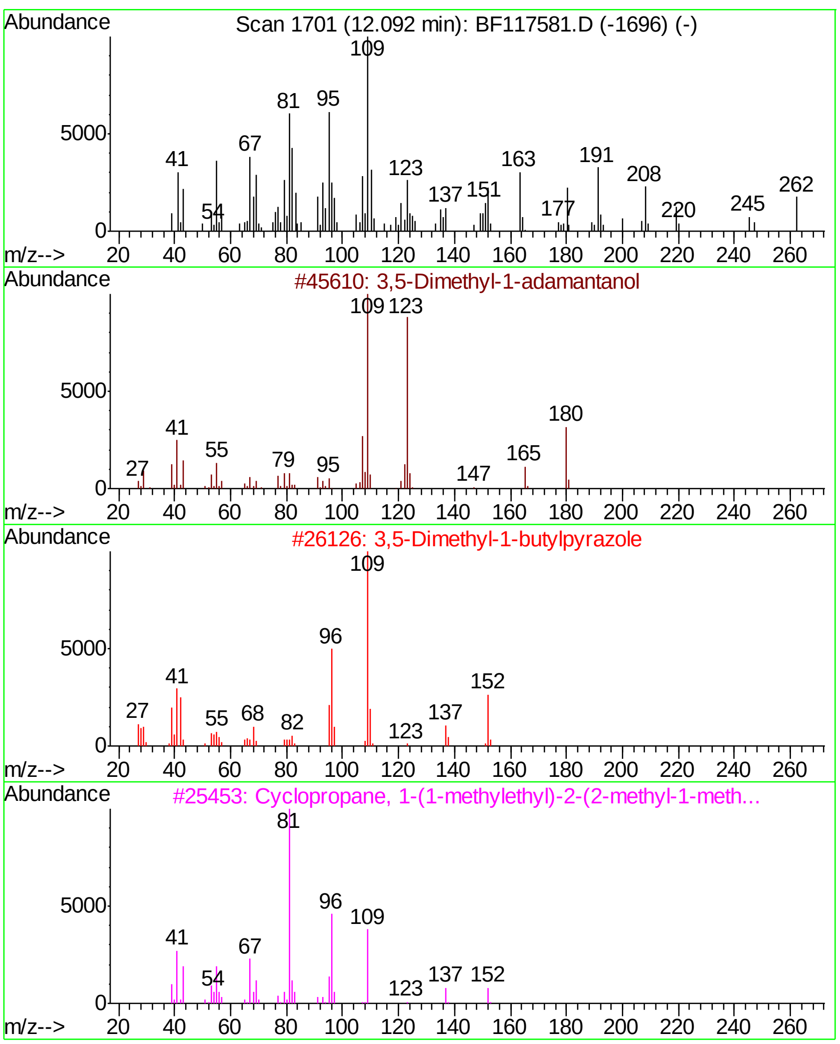
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

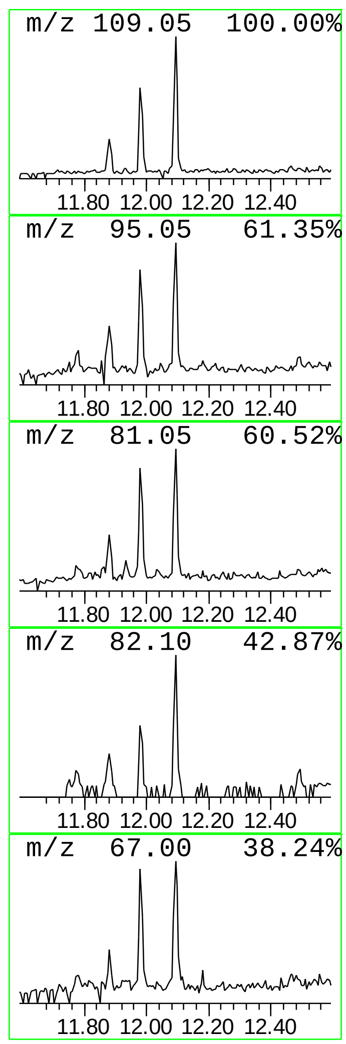
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 8 unknown12.09 Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.09	7.69 ng	117461	Phenanthrene-d10	11.24

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3,5-Dimethyl-1-adamantanol	180	C12H20O	000707-37-9	45
2	3,5-Dimethyl-1-butylpyrazole	152	C9H16N2	002655-37-0	38
3	Cyclopropane, 1-(1-methylethyl)-...	152	C11H20	056259-17-7	38
4	3-Cyclohexene-1-carboxaldehyde, ...	152	C10H16O	040702-26-9	38
5	1(2H)-Naphthalenone, octahydro-,...	152	C10H16O	021370-71-8	38





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BNA_F
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  9  4b,8-Dimethyl-2-isopropylph...  Concentration Rank 16

  R.T.   EstConc          Area       Relative to ISTD        R.T.
----------------------------------------------------------------------
 12.18    4.54 ng          69408    Phenanthrene-d10          11.24

 Hit# of  5    Tentative ID             MW  MolForm       CAS#       Qual
----------------------------------------------------------------------
 1 4b,8-Dimethyl-2-isopropylphenant... 256 C19H28        1000197-14-1 94
 2 Naphthalene, 6-ethyl-1,2,3,4-tet... 256 C19H28        301643-35-6 51
 3 Isoquinoline, 1-methyl-, 2-oxide    159 C10H9NO       003222-65-9 35
 4 s-Indacen-1(2H)-one, 3,5,6,7-tet... 256 C18H24O       038754-94-8 35
 5 2(1H)-Quinolinone, hydrazone        159 C9H9N3        015793-77-8 35
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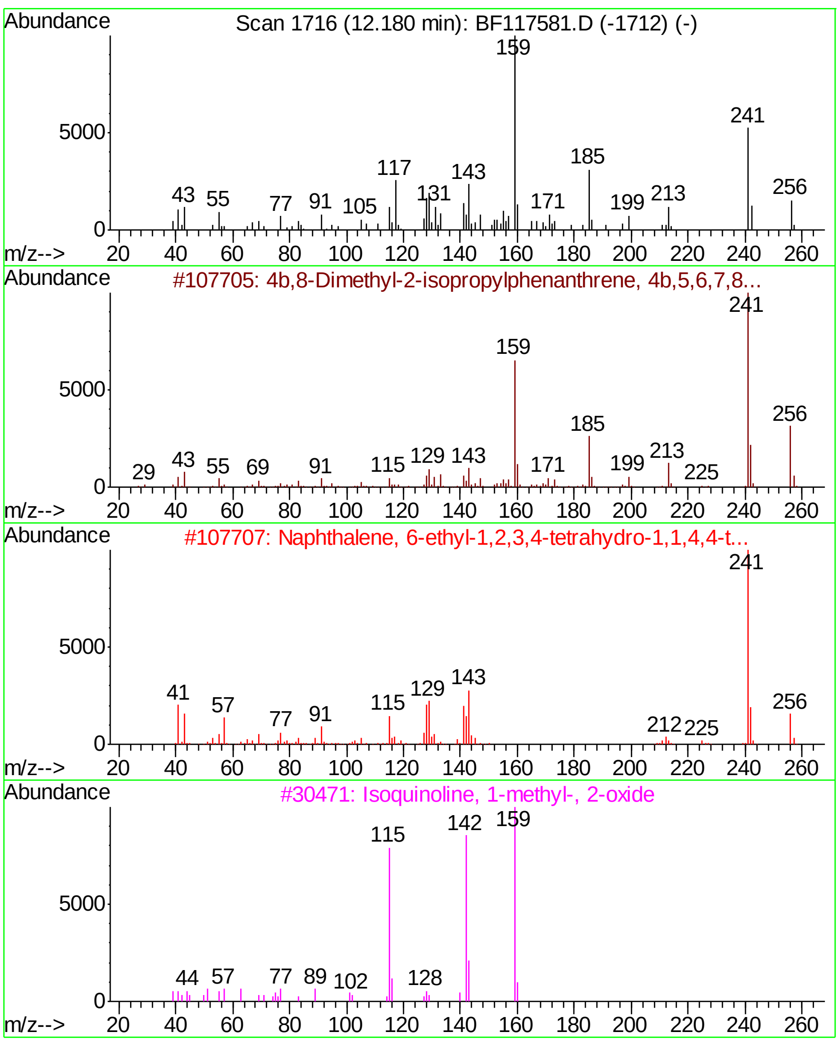

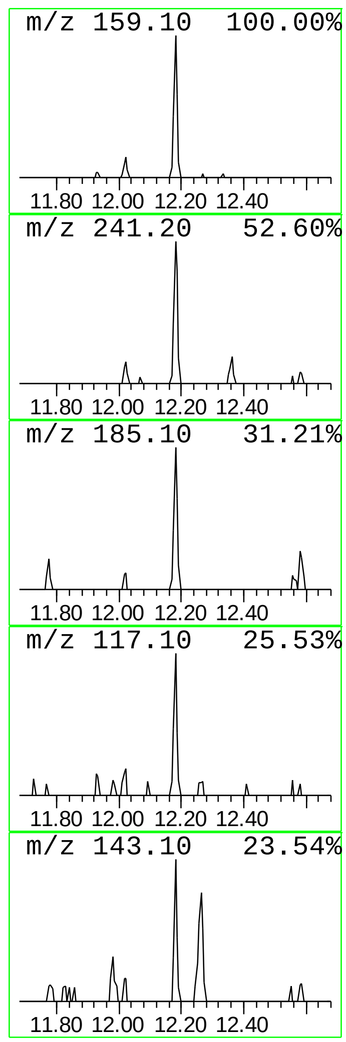

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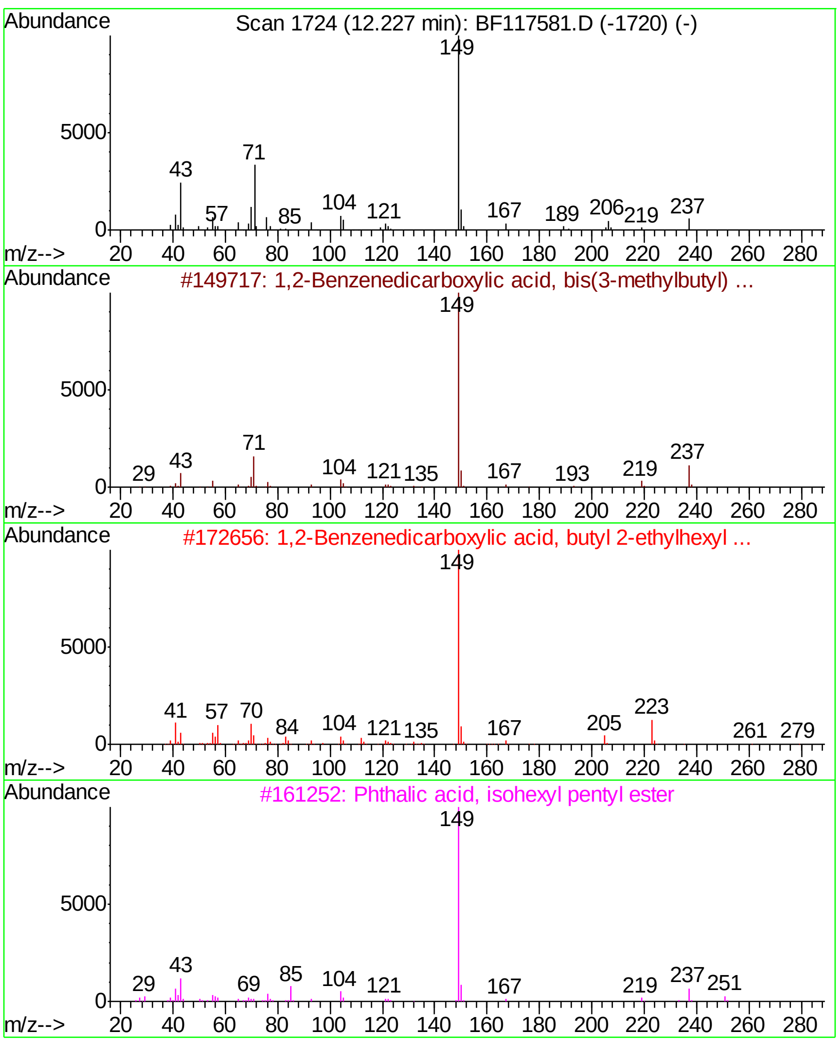
Quant Title  : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

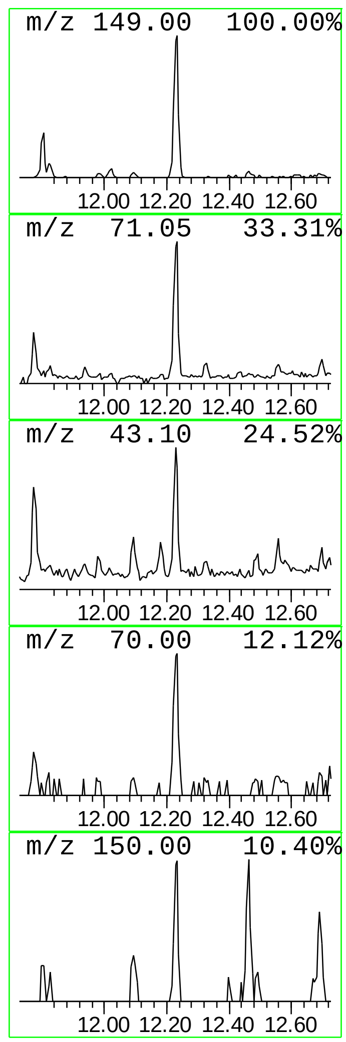
TIC Library    : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

*********************************************************************
Peak Number 10  1,2-Benzenedicarboxylic aci...  Concentration Rank 15
```

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.23	5.12 ng	78131	Phenanthrene-d10	11.24

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,2-Benzenedicarboxylic acid, bi...	306	C18H26O4	000605-50-5	78
2	1,2-Benzenedicarboxylic acid, bu...	334	C20H30O4	000085-69-8	64
3	Phthalic acid, isohexyl pentyl e...	320	C19H28O4	1000308-95-8	59
4	Phthalic acid, 2-methylpent-3-yl...	320	C19H28O4	1000356-90-9	59
5	1,2-Benzenedicarboxylic acid, bi...	250	C14H18O4	000605-45-8	53





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Sample : K5563-10
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ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_F
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

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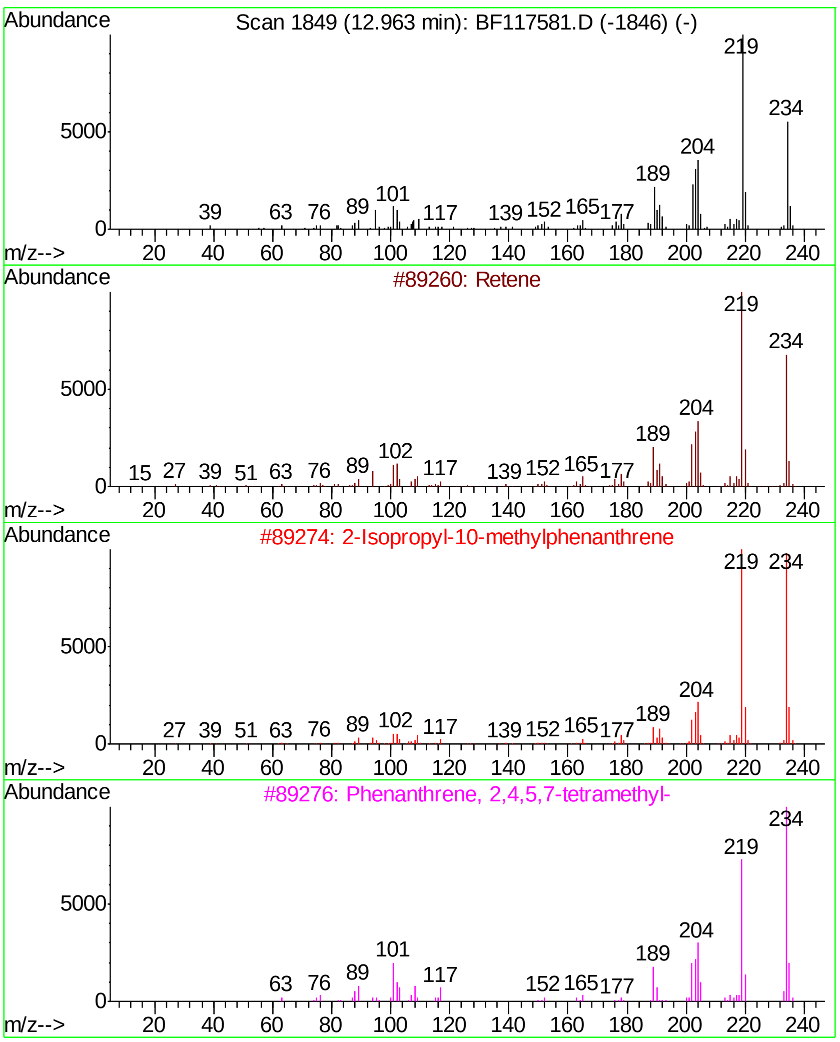
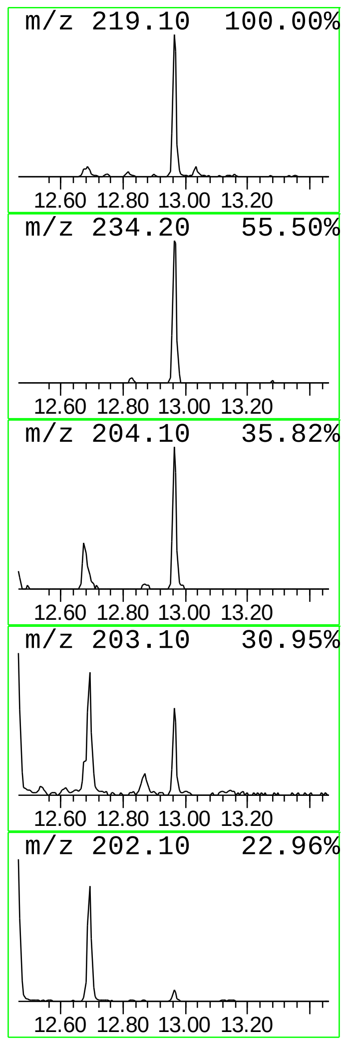
Peak Number 11 Retene Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.96	7.90 ng	161051	Chrysene-d12	13.89

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Retene	234	C18H18	000483-65-8	99
2	2-Isopropyl-10-methylphenanthrene	234	C18H18	066552-97-4	94
3	Phenanthrene, 2,4,5,7-tetramethyl-	234	C18H18	007396-38-5	55
4	3,5-di-tert-Butyl-4-hydroxybenza...	234	C15H22O2	001620-98-0	50
5	Phenol, 2,6-bis(1,1-dimethylethy...	234	C16H26O	004130-42-1	49





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Instrument :
BNA_F
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

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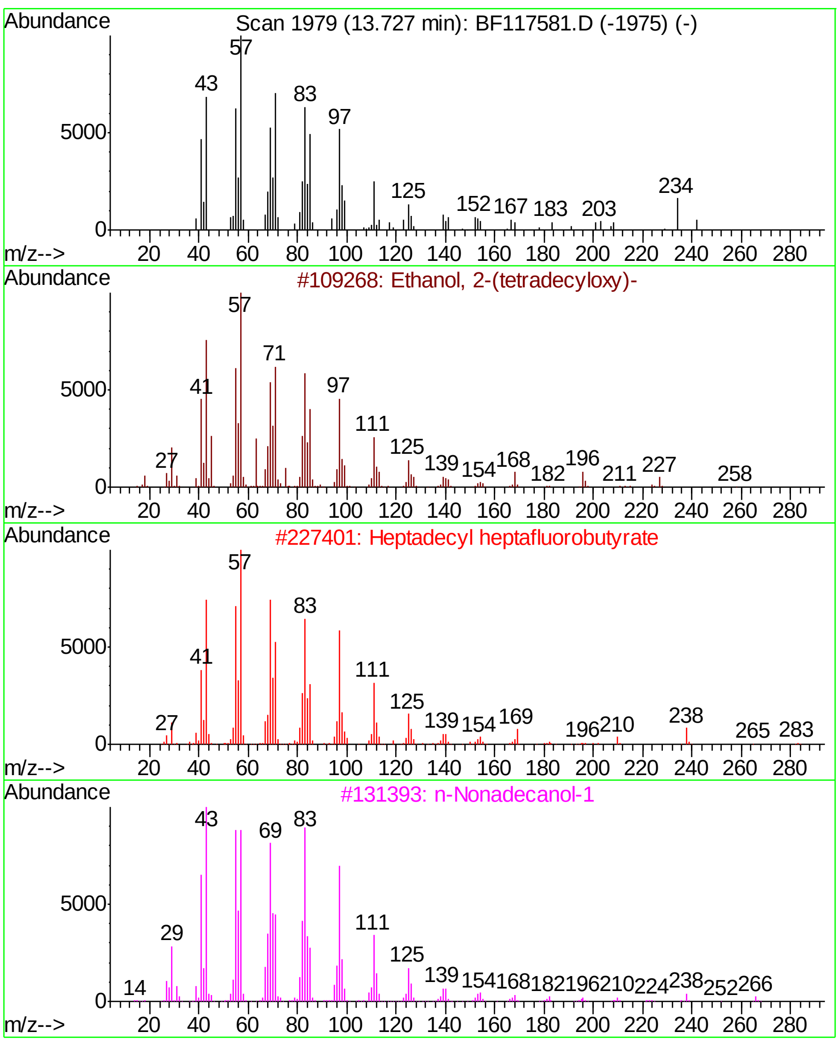
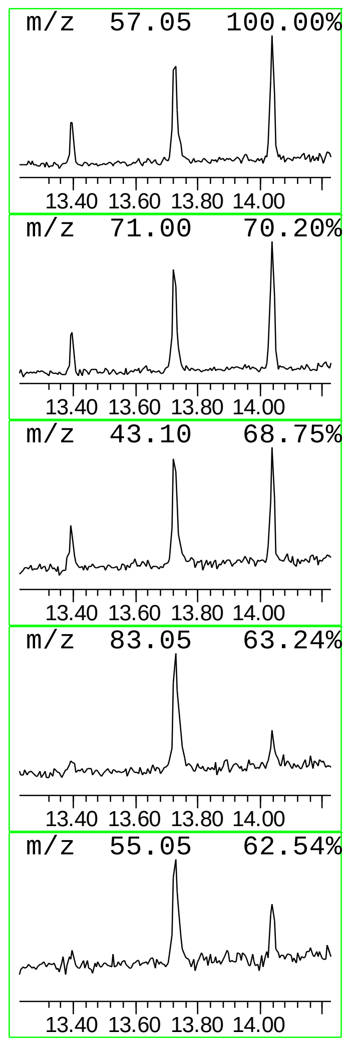
Peak Number 12 Ethanol, 2-(tetradecyloxy)- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.73	7.29 ng	148612	Chrysene-d12	13.89

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Ethanol, 2-(tetradecyloxy)-	258	C16H34O2	002136-70-1	90
2	Heptadecyl heptafluorobutyrate	452	C21H35F7O2	959085-66-6	72
3	n-Nonadecanol-1	284	C19H40O	001454-84-8	70
4	Tetradecyl trifluoroacetate	310	C16H29F3O2	006222-02-2	70
5	Heptafluorobutyric acid, n-tetra...	410	C18H29F7O2	007365-36-8	70





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Instrument : BNA_F
ClientSampleId : TP-2

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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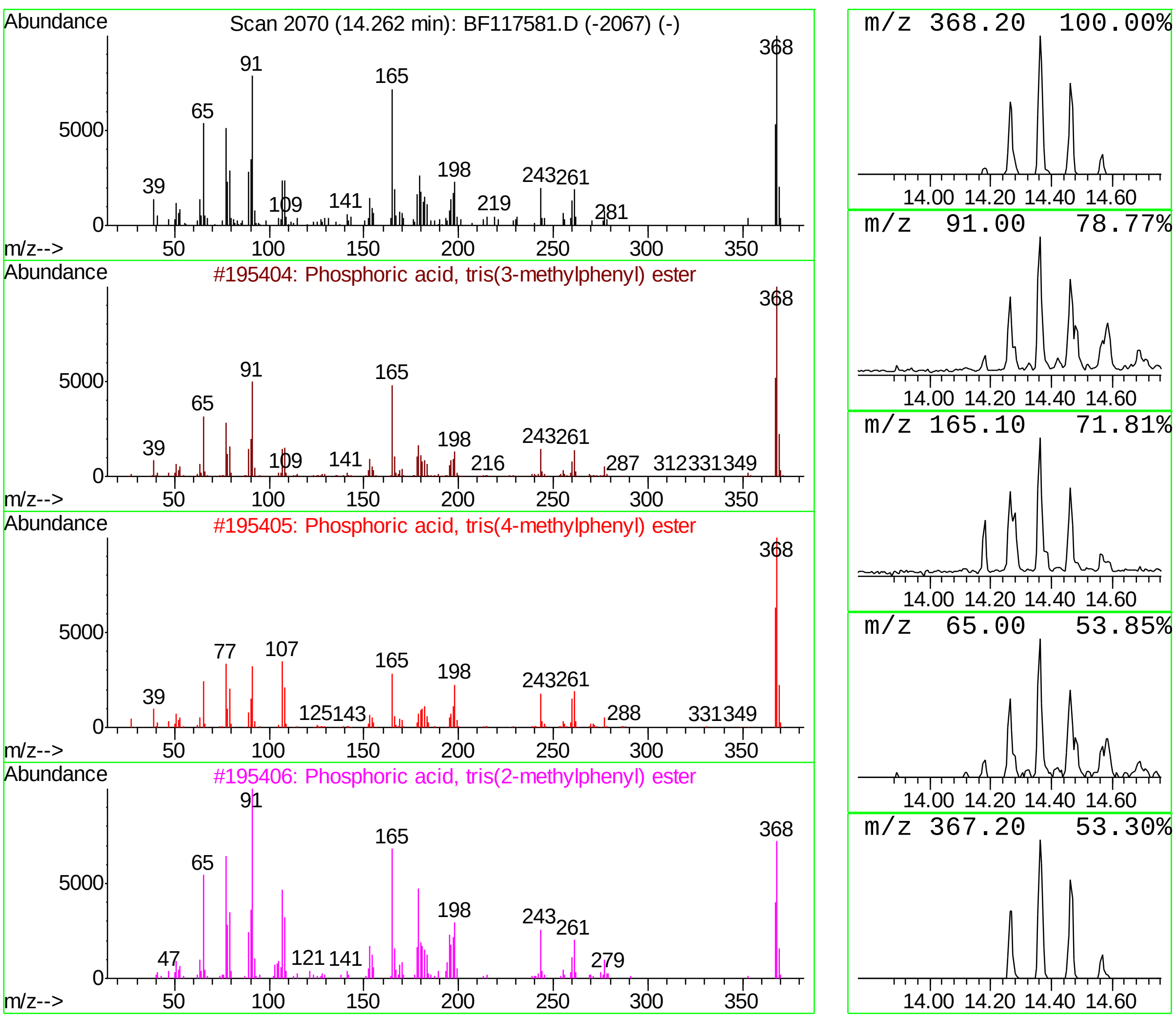
Peak Number 13 Phosphoric acid, tris(3-met... Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.26	7.92 ng	161467	Chrysene-d12	13.89

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phosphoric acid, tris(3-methylph...	368	C21H21O4P	000563-04-2	99
2	Phosphoric acid, tris(4-methylph...	368	C21H21O4P	000078-32-0	95
3	Phosphoric acid, tris(2-methylph...	368	C21H21O4P	000078-30-8	87
4	10-Iodo-4-phenyl-2,4,6-triazatri...	367	C13H10IN3O2	133697-93-5	38
5	2-Oxo-5-(4-tolyloxy)-4-phenyl-6-...	368	C24H20N2O2	1000070-60-9	35



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Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TP-2

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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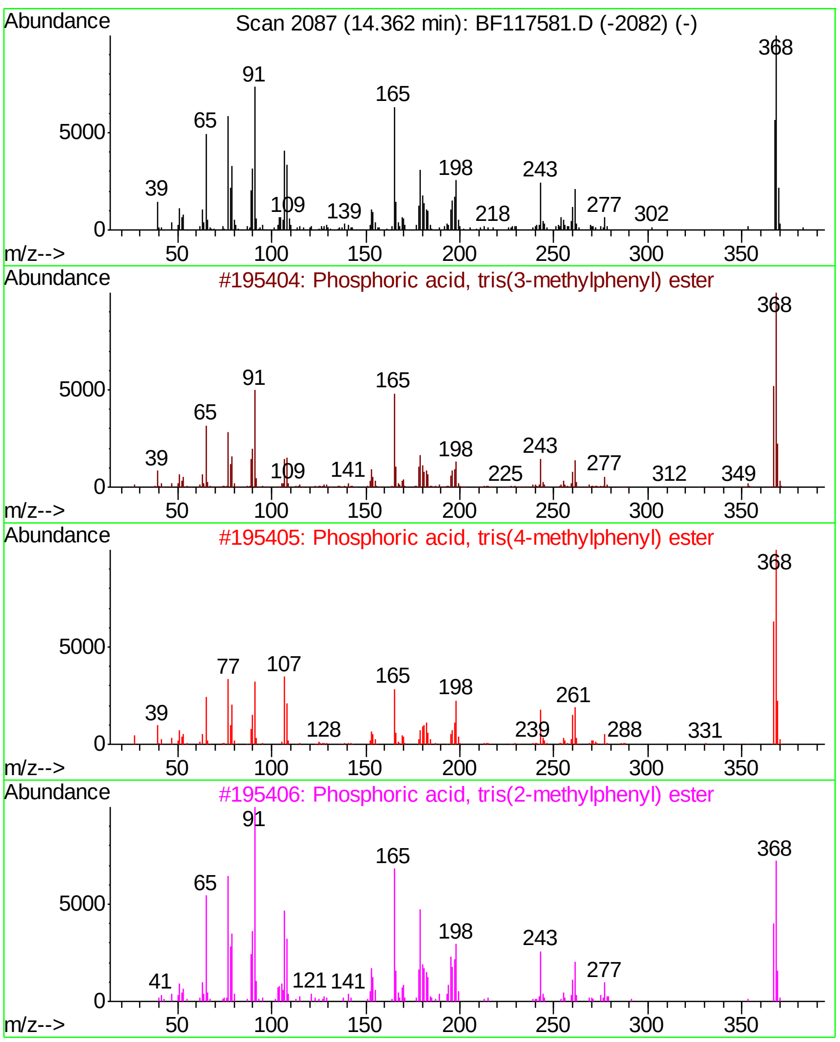
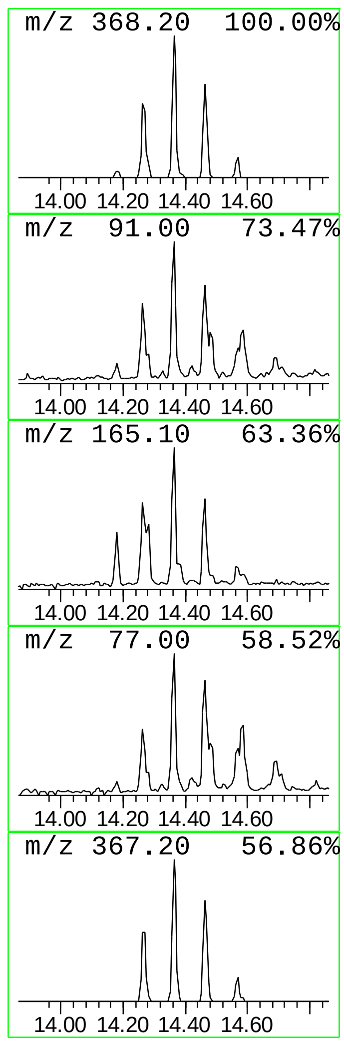
Peak Number 14 Phosphoric acid, tris(2-met... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.36	17.85 ng	363823	Chrysene-d12	13.89

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phosphoric acid, tris(3-methylph...	368	C21H21O4P	000563-04-2	99
2	Phosphoric acid, tris(4-methylph...	368	C21H21O4P	000078-32-0	96
3	Phosphoric acid, tris(2-methylph...	368	C21H21O4P	000078-30-8	94
4	1-Hydroxytricyclo[4.3.0.0(4,9)]n...	308	C16H20O4S	201992-83-8	22
5	Benzene, 1-methyl-4-nitroso-	121	C7H7NO	000623-11-0	22





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TIC Library    : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P
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Instrument : BNA_F
ClientSampleId : TP-2

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**********************************************************************
Peak Number 15  Phosphoric acid, tris(4-met...  Concentration Rank  5
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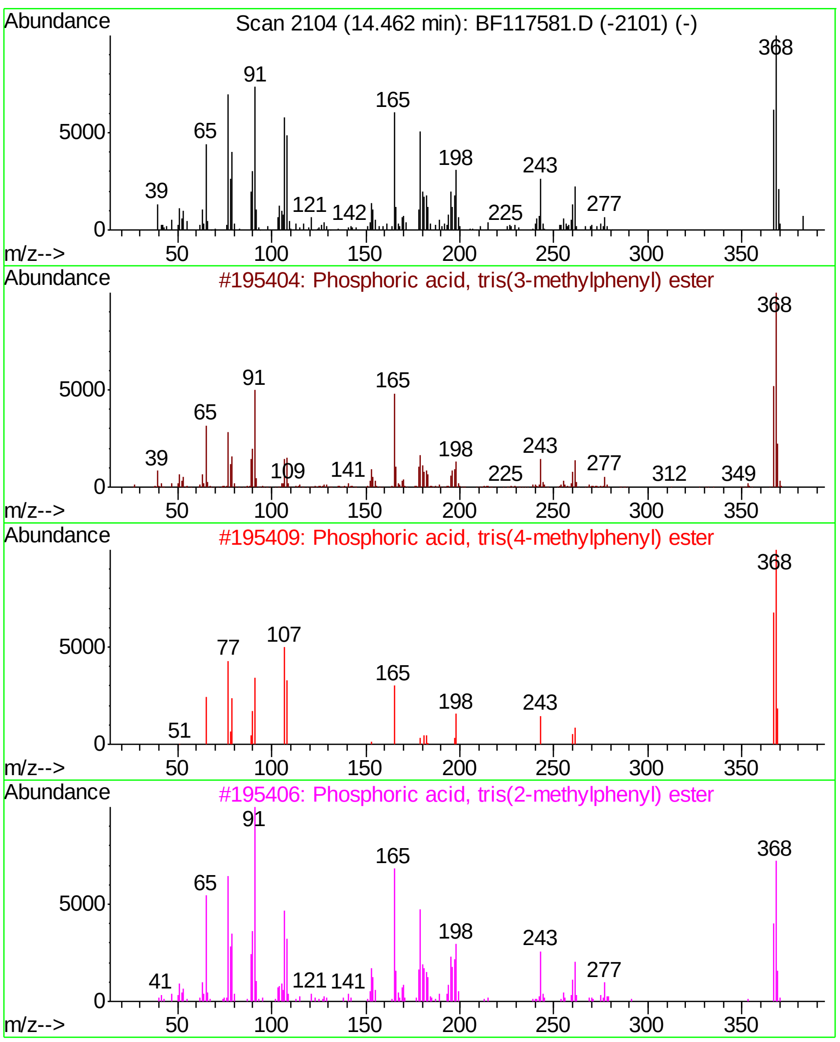
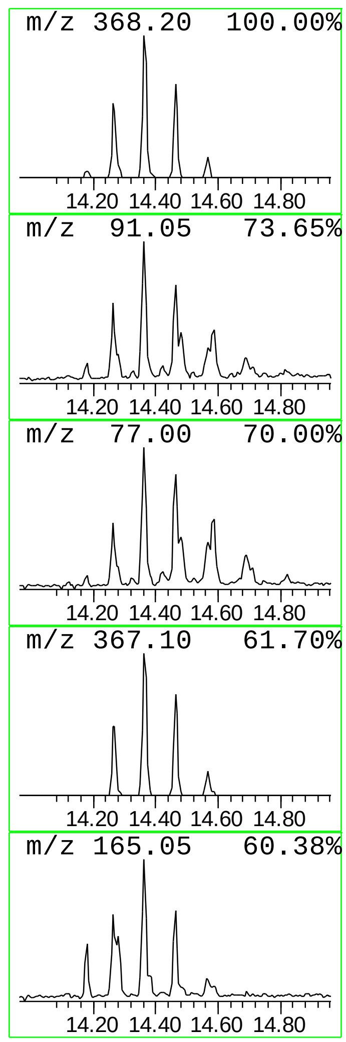
R.T.	EstConc	Area	Relative to ISTD	R.T.
14.46	10.22 ng	208200	Chrysene-d12	13.89

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phosphoric acid, tris(3-methylph...	368	C21H21O4P	000563-04-2	97
2	Phosphoric acid, tris(4-methylph...	368	C21H21O4P	000078-32-0	93
3	Phosphoric acid, tris(2-methylph...	368	C21H21O4P	000078-30-8	70
4	Azoxybenzene	198	C12H10N2O	000495-48-7	25
5	Benzene, 1-methyl-4-nitroso-	121	C7H7NO	000623-11-0	18





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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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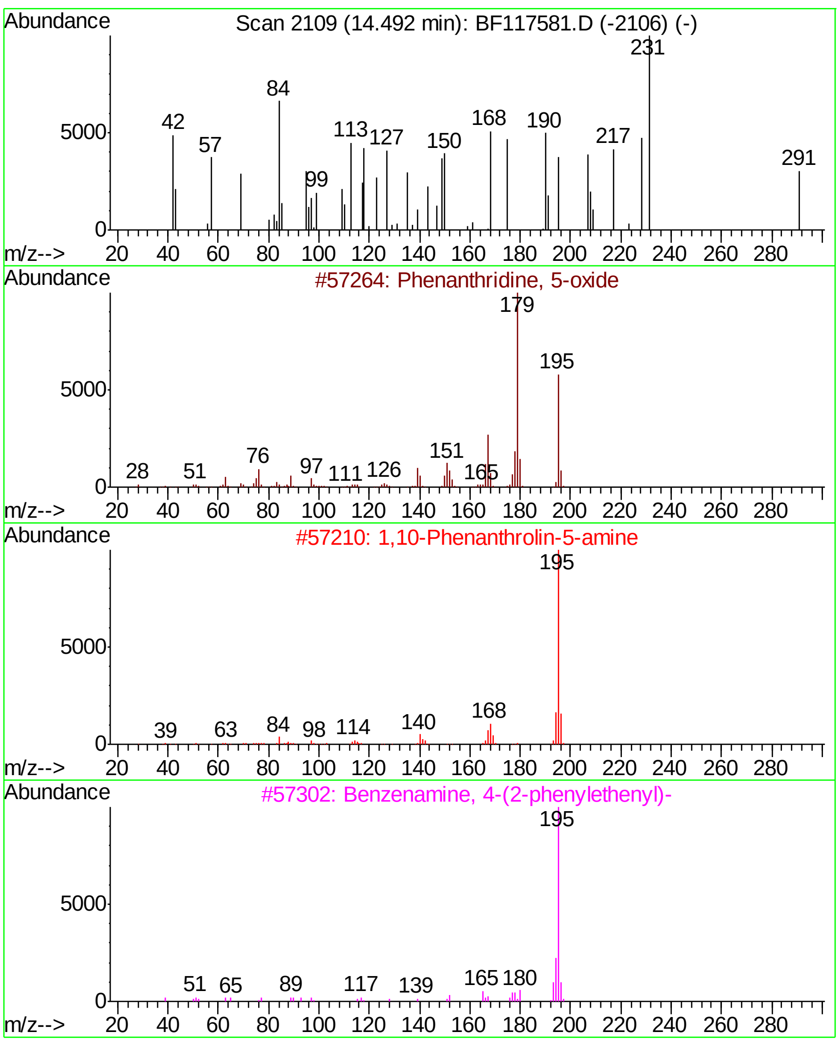
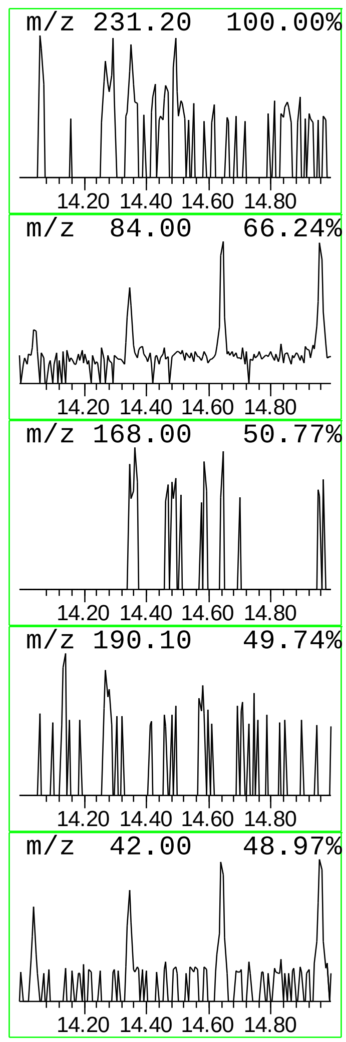
Peak Number 16 Phenanthridine, 5-oxide Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.49	4.38 ng	89218	Chrysene-d12	13.89

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthridine, 5-oxide	195	C13H9NO	014548-01-7	53
2	1,10-Phenanthrolin-5-amine	195	C12H9N3	054258-41-2	46
3	Benzenamine, 4-(2-phenylethenyl)-	195	C14H13N	000834-24-2	43
4	Stilbene, 4-amino- (E)-	195	C14H13N	004309-66-4	38
5	2,4-Dimethoxyphenyl isothiocyanate	195	C9H9NO2S	033904-03-9	38





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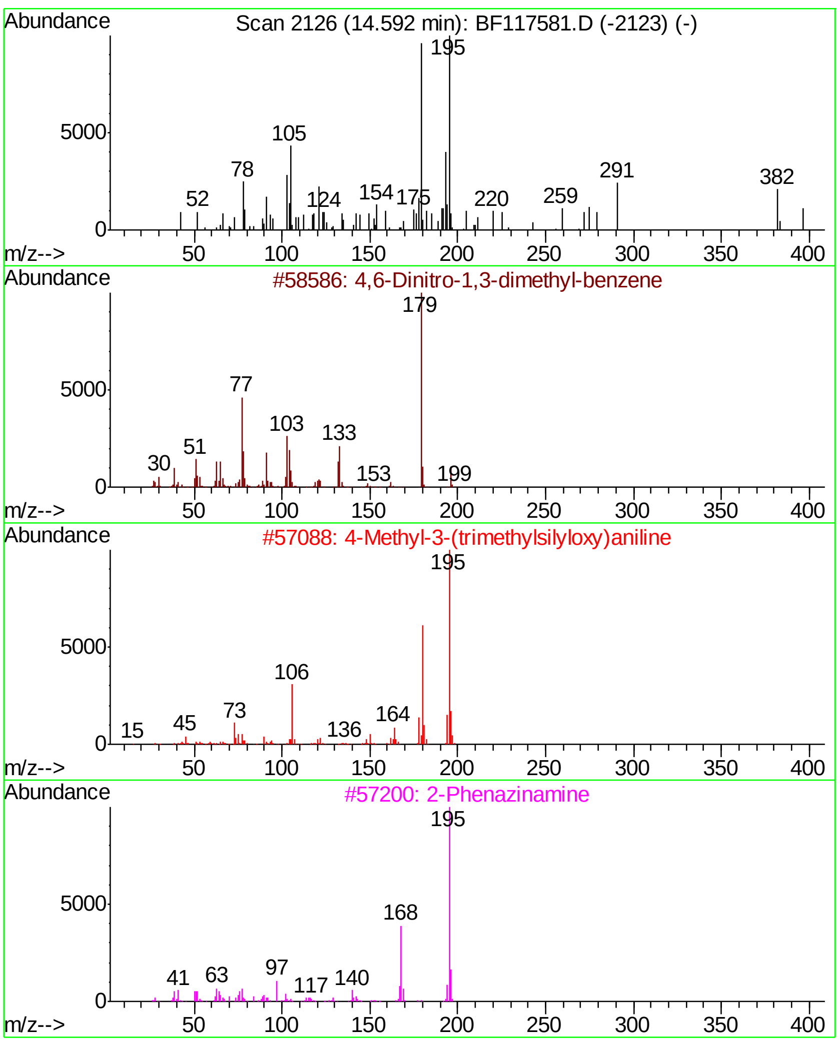
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

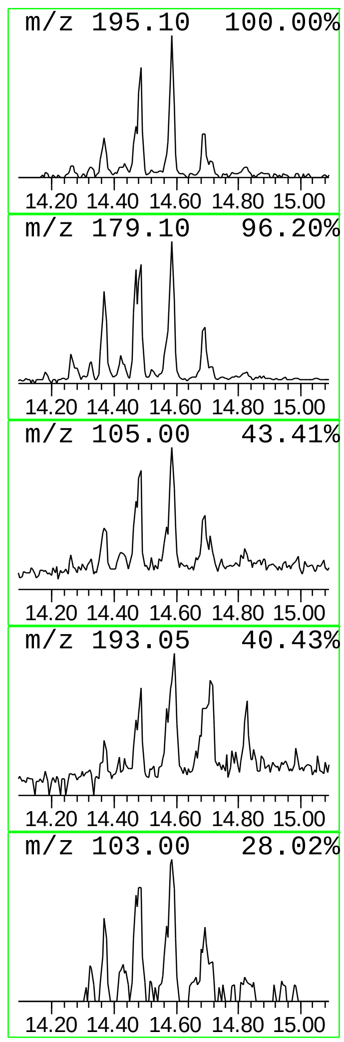
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 17 unknown14.59 Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.59	5.92 ng	120602	Chrysene-d12	13.89

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4,6-Dinitro-1,3-dimethyl-benzene	196	C8H8N2O4	000616-72-8	38
2	4-Methyl-3-(trimethylsilyloxy)an...	195	C10H17NOSi	1000373-38-4	38
3	2-Phenazinamine	195	C12H9N3	002876-23-5	35
4	2-Amino-6,7-dimethyl-5,6,7,8-tet...	195	C8H13N5O	1000239-36-2	35
5	Carbazole, 3,6-dimethyl-	195	C14H13N	005599-50-8	35





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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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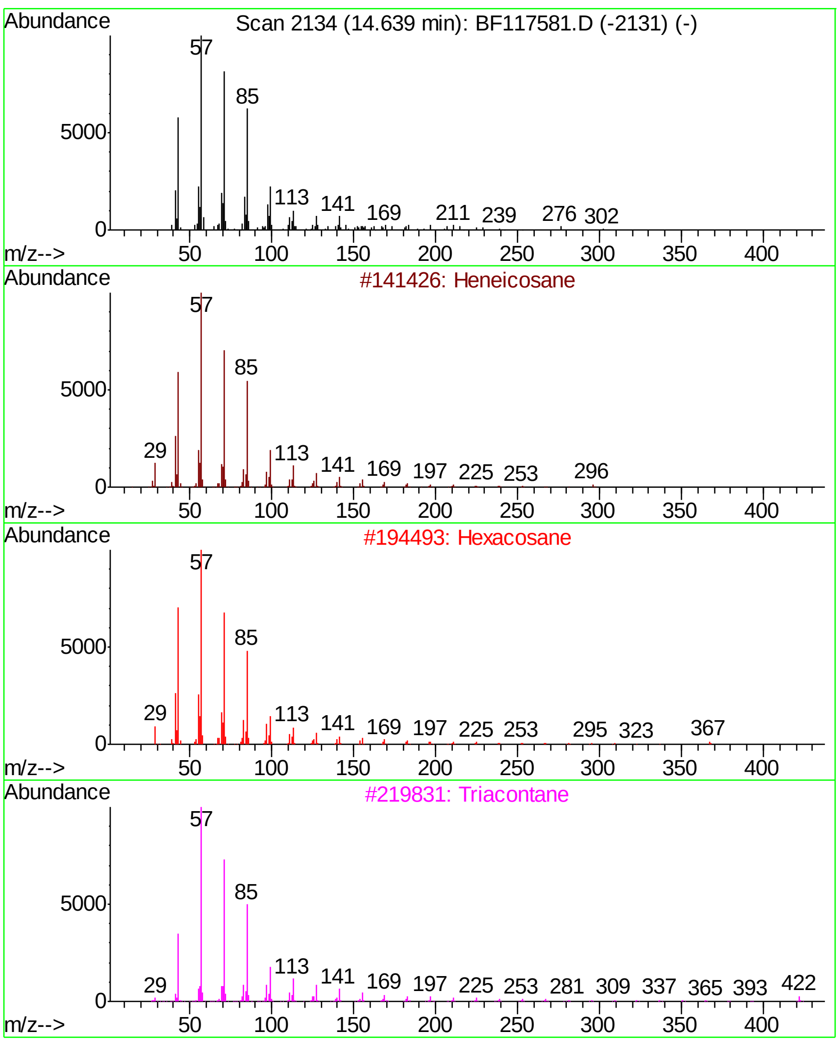
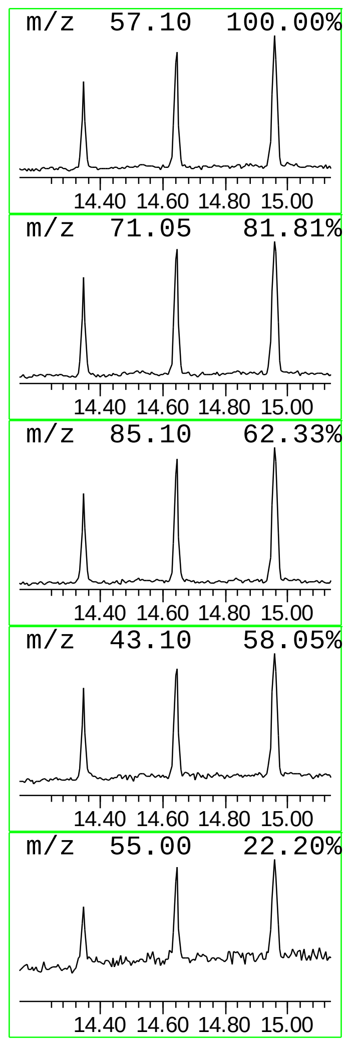
Peak Number 18 Heneicosane Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.64	5.96 ng	119592	Perylene-d12	15.33

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heneicosane	296	C21H44	000629-94-7	91
2	Hexacosane	366	C26H54	000630-01-3	91
3	Triacontane	422	C30H62	000638-68-6	91
4	Tetracosane	338	C24H50	000646-31-1	91
5	Heptacosane	380	C27H56	000593-49-7	91





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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

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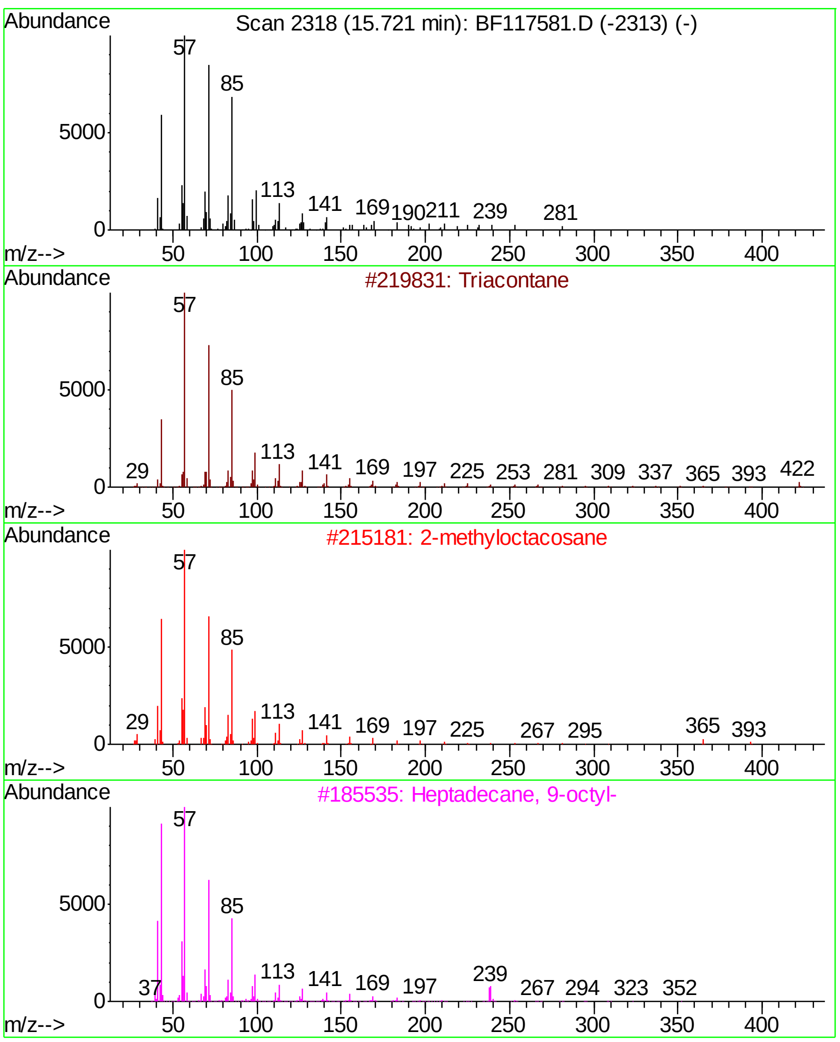
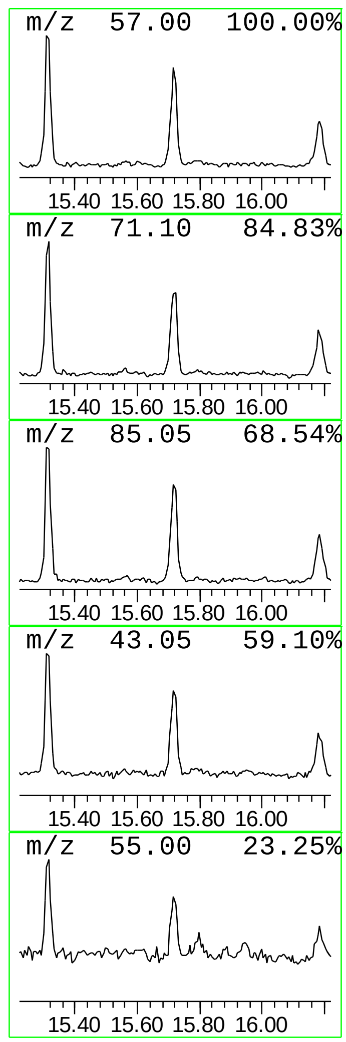
Peak Number 19 Triacontane Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.72	5.90 ng	118345	Perylene-d12	15.33

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Triacontane	422	C30H62	000638-68-6	91
2	2-methyloctacosane	408	C29H60	1000376-72-8	87
3	Heptadecane, 9-octyl-	352	C25H52	007225-64-1	80
4	Octacosane	394	C28H58	000630-02-4	80
5	Hexacosane	366	C26H54	000630-01-3	80





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Sample : K5563-10
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TP-2

Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF101819.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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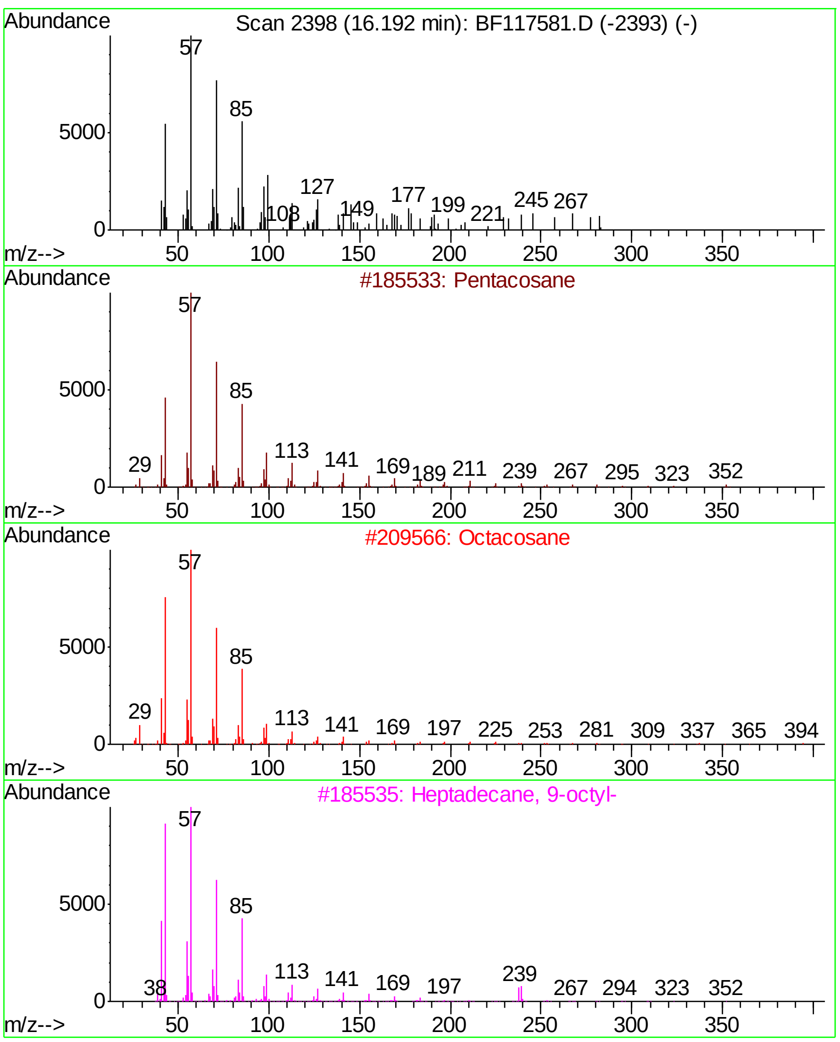
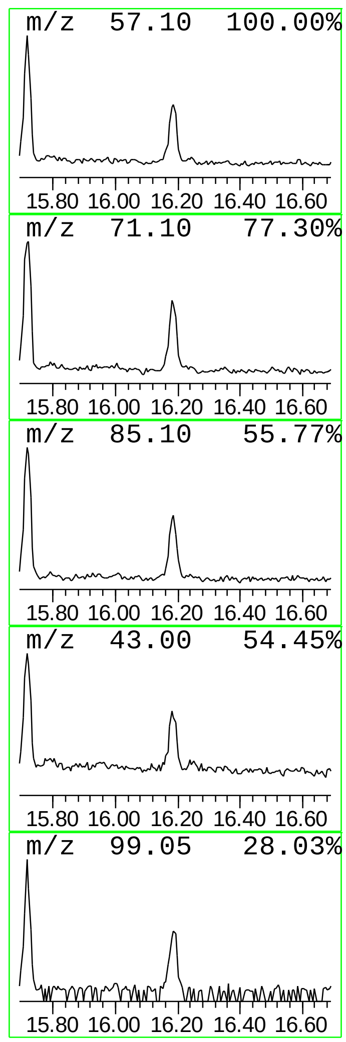
Peak Number 20 Pentacosane Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.19	4.07 ng	81783	Perylene-d12	15.33

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentacosane	352	C25H52	000629-99-2	80
2	Octacosane	394	C28H58	000630-02-4	80
3	Heptadecane, 9-octyl-	352	C25H52	007225-64-1	80
4	Hentriacontane	437	C31H64	000630-04-6	80
5	Eicosane	282	C20H42	000112-95-8	80





Tentatively Identified Compound (LSC) summary

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF102919\
Data File : BF117581.D
Acq On : 29 Oct 2019 10:57
Operator : JU
Sample : K5563-10
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-2

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF101819.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

					--Internal Standard---			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
2-Pentanone, 4-hy...	4.93	11.2	ng	192973	1	6.73	345480	20.0
4-Nonene, 3-methy...	6.25	4.1	ng	70425	1	6.73	345480	20.0
unknown6.47	6.47	3.4	ng	59472	1	6.73	345480	20.0
unknown6.50	6.50	62.5	ng	1079840	1	6.73	345480	20.0
Pentadecanoic acid	11.77	7.0	ng	107030	4	11.24	305430	20.0
unknown11.98	11.98	5.4	ng	82401	4	11.24	305430	20.0
unknown12.09	12.09	7.7	ng	117461	4	11.24	305430	20.0
4b,8-Dimethyl-2-i...	12.18	4.5	ng	69408	4	11.24	305430	20.0
1,2-Benzenedicarb...	12.23	5.1	ng	78131	4	11.24	305430	20.0
Retene	12.96	7.9	ng	161051	5	13.89	407547	20.0
Ethanol, 2-(tetra...	13.73	7.3	ng	148612	5	13.89	407547	20.0
Phosphoric acid, ...	14.26	7.9	ng	161467	5	13.89	407547	20.0
Phosphoric acid, ...	14.36	17.9	ng	363823	5	13.89	407547	20.0
Phosphoric acid, ...	14.46	10.2	ng	208200	5	13.89	407547	20.0
Phenanthridine, 5...	14.49	4.4	ng	89218	5	13.89	407547	20.0
unknown14.59	14.59	5.9	ng	120602	5	13.89	407547	20.0
Heneicosane	14.64	6.0	ng	119592	6	15.33	401446	20.0
Triacontane	15.72	5.9	ng	118345	6	15.33	401446	20.0
Pentacosane	16.19	4.1	ng	81783	6	15.33	401446	20.0