LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF121619\
Data File : BF118222.D
Acq On : 17 Dec 2019 3:14
Operator : JU
Sample : K6284-02
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 48-SPRUCE

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-BF120619.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	5.063	502	506	516	rVB	307423	353808	15.49%	0.927%
2	5.475	572	576	588	rBV	1952201	1848672	80.95%	4.842%
3	6.492	745	749	769	rBV	1977667	2068405	90.57%	5.418%
4	6.634	769	773	776	rBV	2612412	2149768	94.13%	5.631%
5	6.863	808	812	818	rBV	669797	533605	23.37%	1.398%
6	7.022	835	839	842	rBV	1821708	1644608	72.01%	4.308%
7	7.428	904	908	911	rBV	1442979	1206240	52.82%	3.160%
8	8.151	1027	1031	1041	rBV	756121	686711	30.07%	1.799%
9	8.228	1041	1044	1058	rVB	32189	69057	3.02%	0.181%
10	8.957	1165	1168	1174	rBV2	25593	30488	1.34%	0.080%
11	9.228	1210	1214	1217	rBV	2797919	2283735	100.00%	5.982%
12	9.292	1222	1225	1229	rVB3	27959	28676	1.26%	0.075%
13	9.339	1229	1233	1238	rBV2	154891	211100	9.24%	0.553%
14	9.486	1255	1258	1265	rBV	30803	55075	2.41%	0.144%
15	9.563	1268	1271	1275	rVB2	74817	62556	2.74%	0.164%
16	9.622	1279	1281	1284	rVB	89851	67065	2.94%	0.176%
17	9.757	1301	1304	1307	rBV	113152	86233	3.78%	0.226%
18	9.822	1311	1315	1317	rBV	104707	97946	4.29%	0.257%
19	9.845	1317	1319	1323	rVV	49339	48323	2.12%	0.127%
20	9.910	1327	1330	1333	rVV	994114	824213	36.09%	2.159%
21	9.939	1333	1335	1337	rVV2	255616	238207	10.43%	0.624%
22	9.963	1337	1339	1342	rVV	88804	73980	3.24%	0.194%
23	10.027	1345	1350	1354	rBV	46278	42449	1.86%	0.111%
24	10.133	1363	1368	1371	rVB2	51108	55866	2.45%	0.146%
25	10.427	1414	1418	1421	rBV3	47649	43197	1.89%	0.113%
26	10.463	1421	1424	1428	rVV2	50409	52812	2.31%	0.138%
27	10.557	1436	1440	1442	rBV3	43607	46658	2.04%	0.122%
28	10.663	1455	1458	1459	rBV2	48494	48364	2.12%	0.127%
29	10.704	1461	1465	1468	rVV	1793458	1598274	69.99%	4.186%
30	10.739	1468	1471	1473	rVV	177129	169794	7.43%	0.445%
31	10.780	1473	1478	1481	rVB3	216810	230985	10.11%	0.605%
32	10.816	1481	1484	1492	rVB2	55804	84755	3.71%	0.222%
33	10.898	1494	1498	1500	rBV4	27911	33603	1.47%	0.088%
34	10.922	1500	1502	1507	rVB2	43525	46142	2.02%	0.121%

LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF121619\
Data File : BF118222.D
Acq On : 17 Dec 2019 3:14
Operator : JU
Sample : K6284-02
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 48-SPRUCE

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-BF120619.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	11.063	1523	1526	1528	rBV2	27697	30392	1.33%	0.080%
36	11.086	1528	1530	1534	rVB4	59334	57670	2.53%	0.151%
37	11.263	1553	1560	1562	rBV4	32991	39551	1.73%	0.104%
38	11.298	1562	1566	1571	rVB2	65159	73489	3.22%	0.192%
39	11.404	1580	1584	1586	rBV	855383	737898	32.31%	1.933%
40	11.427	1586	1588	1591	rVV	539927	426272	18.67%	1.117%
41	11.480	1594	1597	1598	rVV	88293	82367	3.61%	0.216%
42	11.516	1601	1603	1608	rVB3	49983	48709	2.13%	0.128%
43	11.633	1620	1623	1630	rVB2	51157	62695	2.75%	0.164%
44	11.733	1637	1640	1644	rVB5	33371	37479	1.64%	0.098%
45	11.904	1665	1669	1670	rBV	50422	48083	2.11%	0.126%
46	11.927	1670	1673	1681	rVB2	619515	582594	25.51%	1.526%
47	12.021	1686	1689	1691	rBV2	71193	73312	3.21%	0.192%
48	12.233	1722	1725	1731	rVB	63387	62624	2.74%	0.164%
49	12.457	1757	1763	1766	rBV2	27936	45121	1.98%	0.118%
50	12.545	1775	1778	1785	rVB2	99415	107162	4.69%	0.281%
51	12.621	1787	1791	1798	rBV	657593	775693	33.97%	2.032%
52	12.716	1804	1807	1811	rBV	148210	152603	6.68%	0.400%
53	12.851	1825	1830	1836	rVB	447399	472235	20.68%	1.237%
54	12.904	1836	1839	1843	rVB2	30192	39198	1.72%	0.103%
55	12.992	1846	1854	1857	rBV	2263074	1883719	82.48%	4.934%
56	13.180	1883	1886	1890	rVV	67571	89730	3.93%	0.235%
57	13.245	1894	1897	1901	rVV2	149427	154849	6.78%	0.406%
58	13.286	1901	1904	1907	rVV2	36702	39194	1.72%	0.103%
59	13.380	1916	1920	1923	rBV	26233	38779	1.70%	0.102%
60	13.439	1927	1930	1932	rVB	60399	50809	2.22%	0.133%
61	13.498	1937	1940	1945	rVV2	19402	33032	1.45%	0.087%
62	13.692	1969	1973	1978	rVB2	36390	54019	2.37%	0.141%
63	13.804	1987	1992	1994	rBV	40958	47958	2.10%	0.126%
64	13.886	2002	2006	2014	rVB3	450839	543408	23.79%	1.423%
65	14.057	2026	2035	2037	rBV2	839082	962245	42.13%	2.520%
66	14.080	2037	2039	2042	rVV	245184	217254	9.51%	0.569%
67	14.110	2042	2044	2047	rVV3	48406	47900	2.10%	0.125%
68	14.163	2051	2053	2057	rVB2	40155	46958	2.06%	0.123%
69	14.210	2057	2061	2066	rBV2	85045	103806	4.55%	0.272%
70	14.280	2071	2073	2077	rVV3	41127	58544	2.56%	0.153%
71	14.333	2080	2082	2085	rVB3	41814	34908	1.53%	0.091%

LSC Area Percent Report

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Acq On : 17 Dec 2019 3:14
Operator : JU
Sample : K6284-02
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 48-SPRUCE

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-BF120619.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

72	14.445	2096	2101	2104	rBV	50055	60558	2.65%	0.159%
73	14.521	2110	2114	2119	rBV2	637134	805329	35.26%	2.109%
74	14.745	2148	2152	2157	rBV2	122627	172651	7.56%	0.452%
75	14.827	2162	2166	2176	rVV2	126967	250810	10.98%	0.657%
76	14.904	2177	2179	2183	rVB3	28392	31121	1.36%	0.082%
77	14.974	2188	2191	2195	rVB2	62284	61683	2.70%	0.162%
78	15.110	2210	2214	2217	rBV	199567	309112	13.54%	0.810%
79	15.180	2221	2226	2229	rVV	1642554	2057723	90.10%	5.390%
80	15.204	2229	2230	2238	rVB3	231645	247415	10.83%	0.648%
81	15.421	2263	2267	2274	rVB2	106983	180863	7.92%	0.474%
82	15.486	2274	2278	2283	rVB	161917	218032	9.55%	0.571%
83	15.551	2284	2289	2297	rBV	600941	978865	42.86%	2.564%
84	15.768	2322	2326	2331	rVB	209974	278930	12.21%	0.731%
85	16.009	2361	2367	2372	rBV	770908	1219567	53.40%	3.194%
86	16.068	2372	2377	2385	rVB	165747	330320	14.46%	0.865%
87	16.174	2393	2395	2401	rVB4	61673	85269	3.73%	0.223%
88	16.256	2405	2409	2411	rBV4	48755	70028	3.07%	0.183%
89	16.521	2450	2454	2459	rBV2	64226	101989	4.47%	0.267%
90	16.827	2500	2506	2515	rVB2	346048	648022	28.38%	1.697%
91	17.062	2539	2546	2552	rBV3	96408	235110	10.29%	0.616%
92	17.133	2553	2558	2565	rVB	195359	398104	17.43%	1.043%
93	17.227	2568	2574	2583	rBV6	147130	383148	16.78%	1.004%
94	17.509	2616	2622	2632	rVB	67803	166991	7.31%	0.437%
95	17.645	2637	2645	2656	rBV3	281659	831065	36.39%	2.177%
96	18.051	2709	2714	2720	rBV10	38280	72484	3.17%	0.190%
97	18.121	2722	2726	2728	rBV4	30587	51500	2.26%	0.135%
98	18.292	2751	2755	2764	rVB6	131923	315760	13.83%	0.827%
99	18.474	2777	2786	2807	rBV5	530047	1808826	79.20%	4.738%
100	18.703	2819	2825	2839	rVB5	98680	322218	14.11%	0.844%

Sum of corrected areas: 38177122

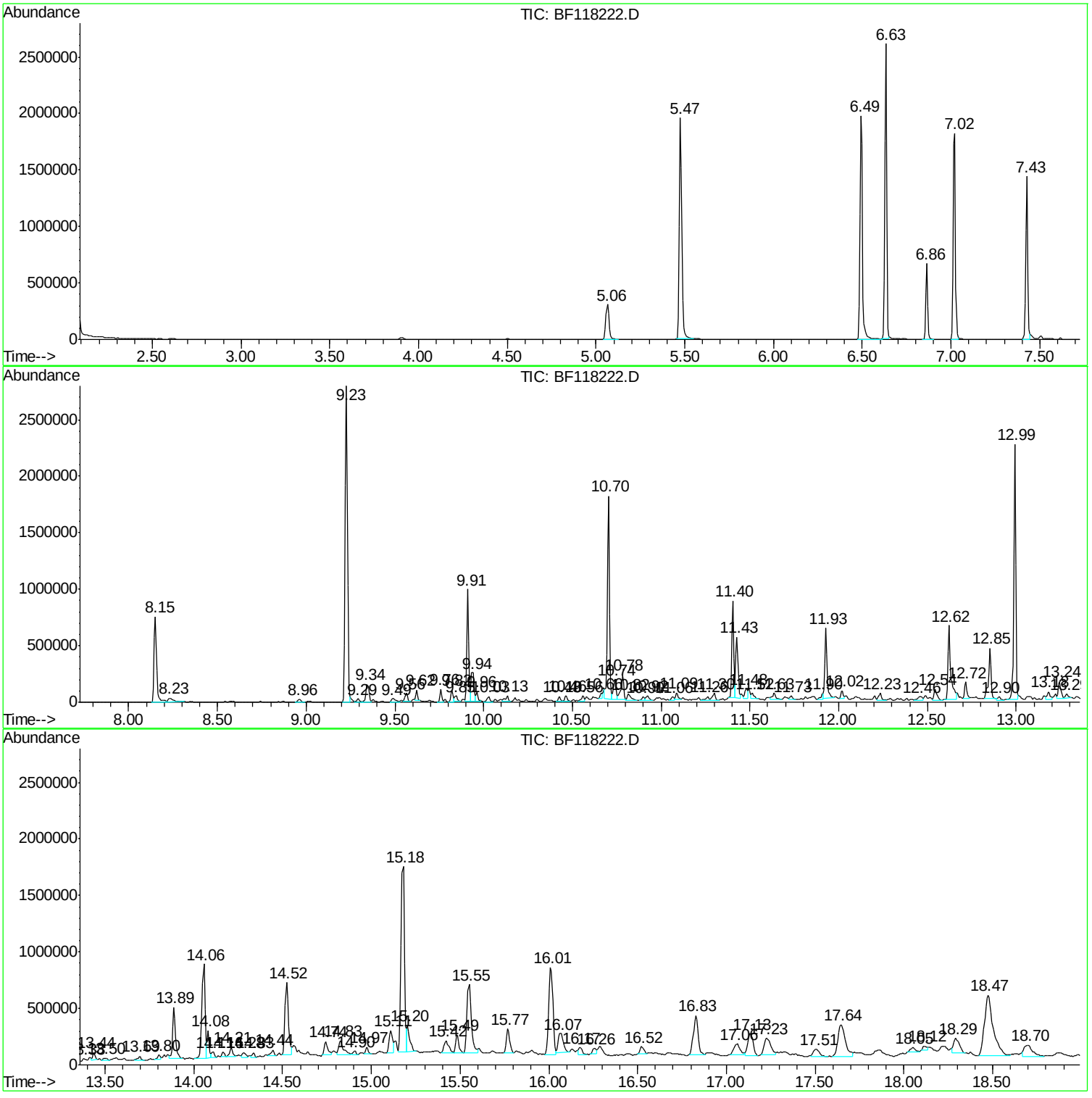
LSC Report - Integrated Chromatogram

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF121619\
Data File : BF118222.D
Acq On : 17 Dec 2019 3:14
Operator : JU
Sample : K6284-02
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
48-SPRUCE

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF120619.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF121619\
Data File : BF118222.D
Acq On : 17 Dec 2019 3:14
Operator : JU
Sample : K6284-02
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 48-SPRUCE

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF120619.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

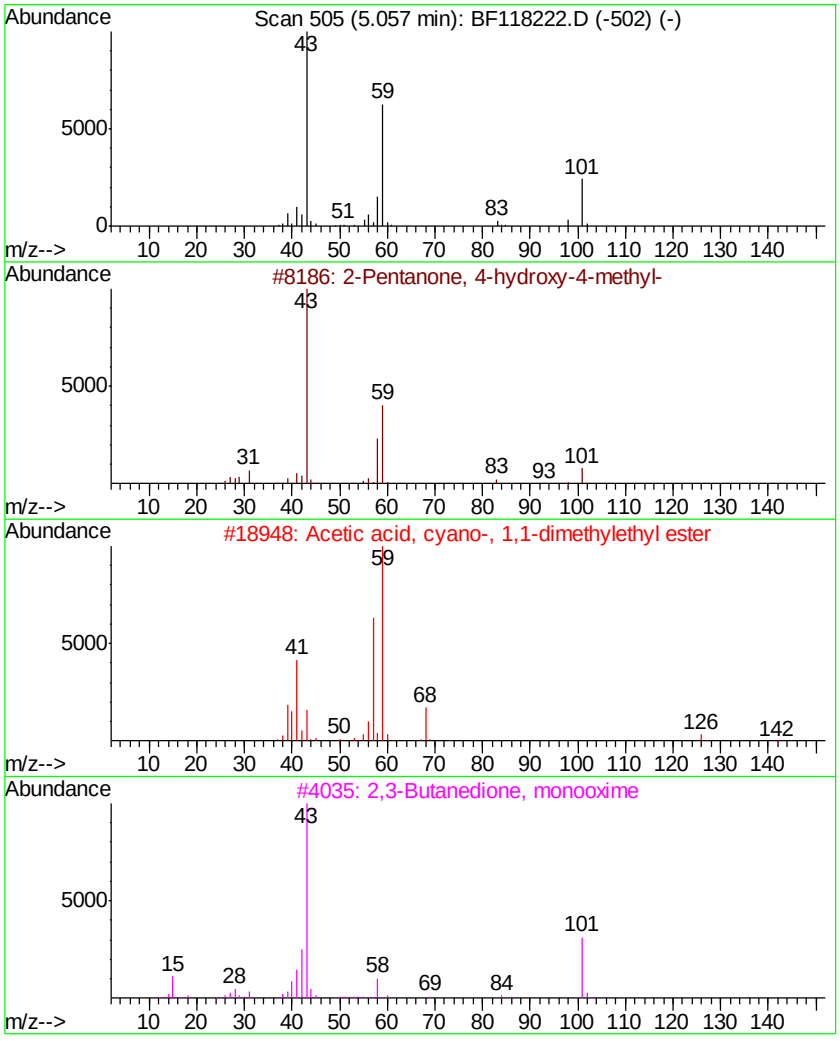
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

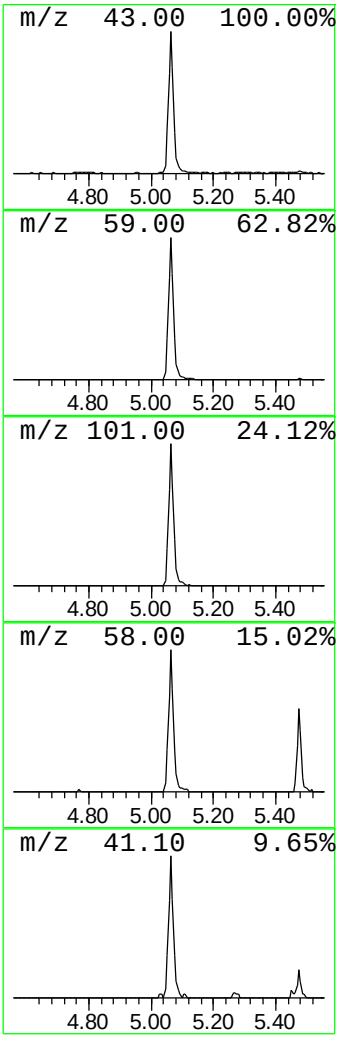
****

Peak Number 1 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.06	13.26 ng	353808	1,4-Dichlorobenzene-d4	6.86

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	56
2	Acetic acid, cyano-, 1,1-dimethy...	141	C7H11NO2	001116-98-9	17
3	2,3-Butanedione, monooxime	101	C4H7NO2	000057-71-6	17
4	5-Hexen-2-one	98	C6H10O	000109-49-9	9
5	(+-)-4-Amino-4,5-dihydro-2(3H)-f...	101	C4H7NO2	016504-58-8	9





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF121619\
Data File : BF118222.D
Acq On : 17 Dec 2019 3:14
Operator : JU
Sample : K6284-02
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 48-SPRUCE

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF120619.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

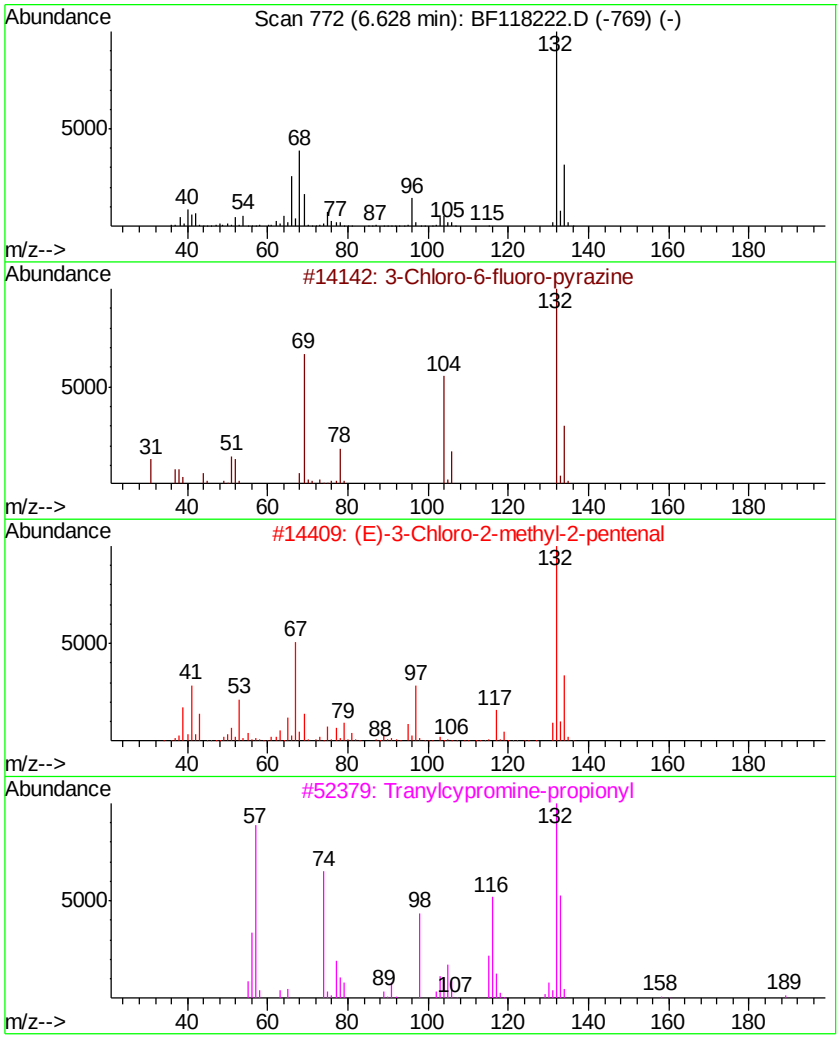
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

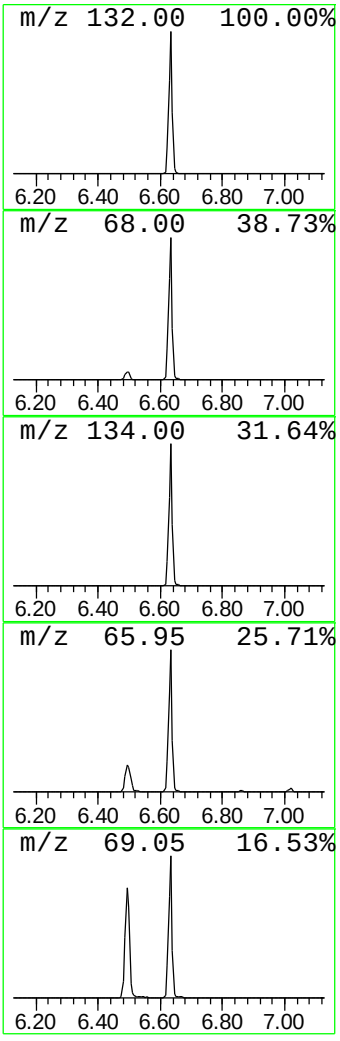
****

Peak Number 2 unknown6.63 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.63	80.58 ng	2149770	1,4-Dichlorobenzene-d4	6.86

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	35
2	(E)-3-Chloro-2-methyl-2-pentenal	132	C6H9ClO	031357-76-3	25
3	Tranylcypromine-propionyl	189	C12H15NO	1000123-86-3	16
4	Bicyclo[4.2.0]octa-1,3,5-triene,...	132	C10H12	028749-81-7	9
5	1-Methylpyrrolo[1,2-a]pyrazine	132	C8H8N2	064608-59-9	9





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ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 48-SPRUCE

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF120619.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

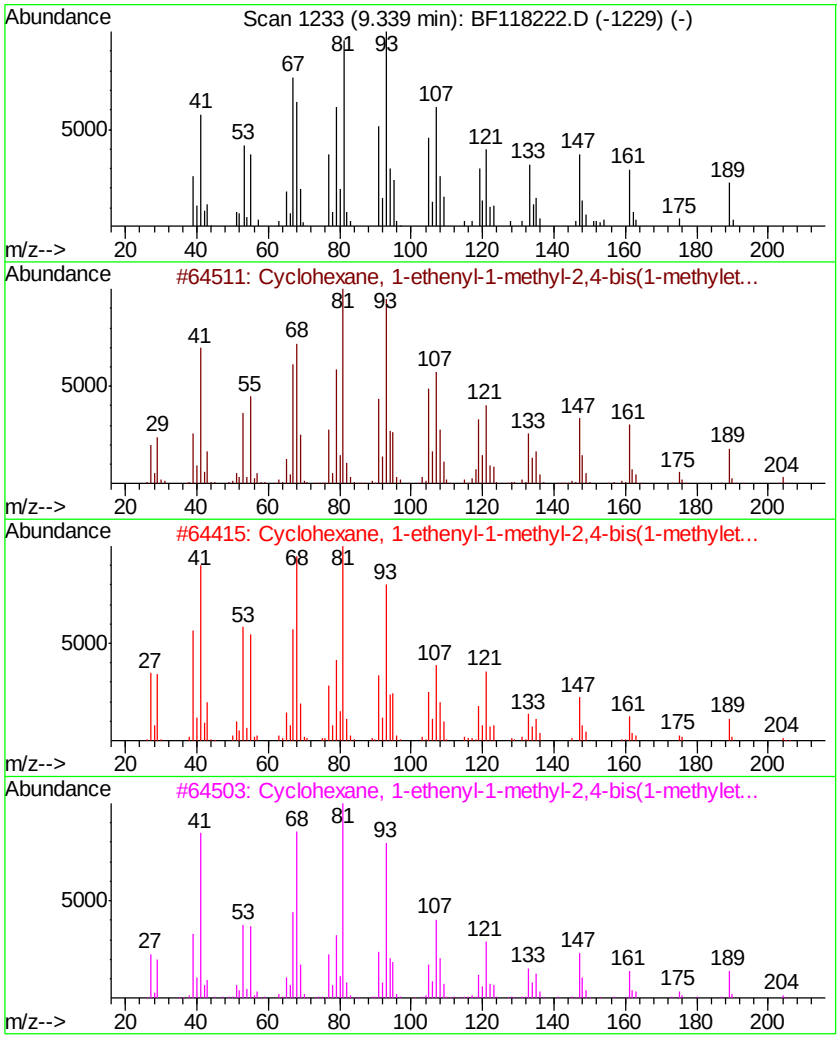
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

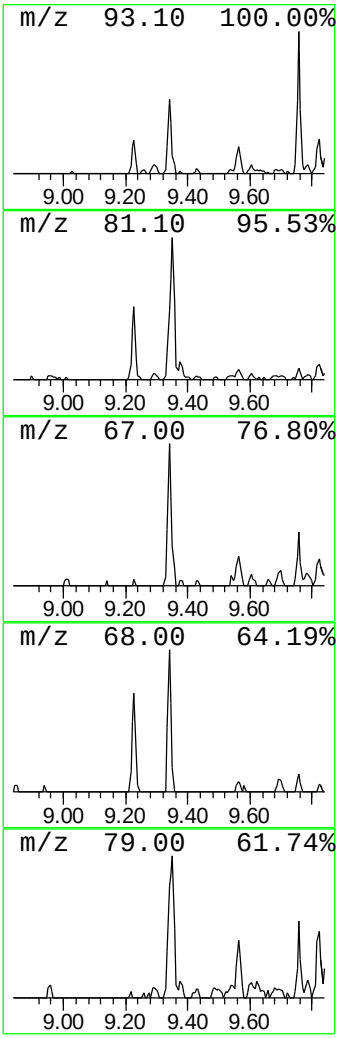
****

Peak Number 4 Cyclohexane, 1-ethenyl-1-me... Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.34	5.12 ng	211100	Acenaphthene-d10	9.91

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1-ethenyl-1-methyl-...	204	C15H24	000515-13-9	93
2	Cyclohexane, 1-ethenyl-1-methyl-...	204	C15H24	110823-68-2	86
3	Cyclohexane, 1-ethenyl-1-methyl-...	204	C15H24	033880-83-0	43
4	1H-Pyrrole, 1-(2-furanylmethyl)-	147	C9H9NO	001438-94-4	38
5	1,3-Pentadiene	68	C5H8	000504-60-9	35





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF121619\
Data File : BF118222.D
Acq On : 17 Dec 2019 3:14
Operator : JU
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Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 48-SPRUCE

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF120619.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

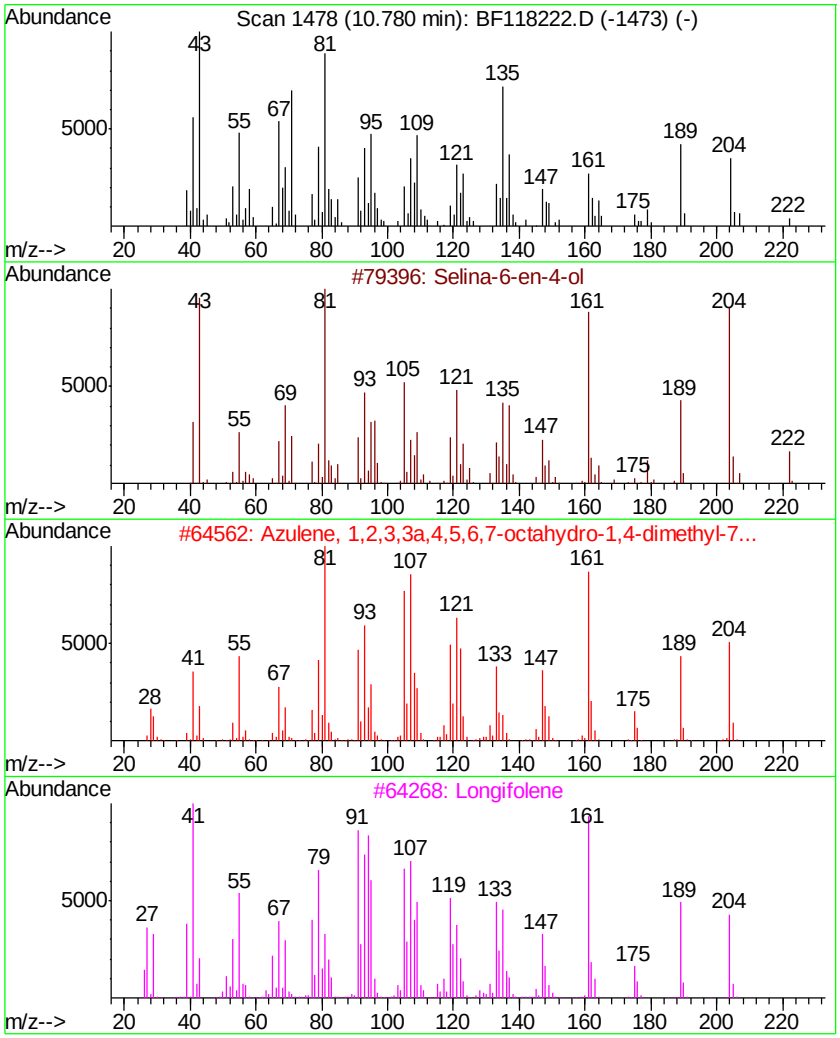
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

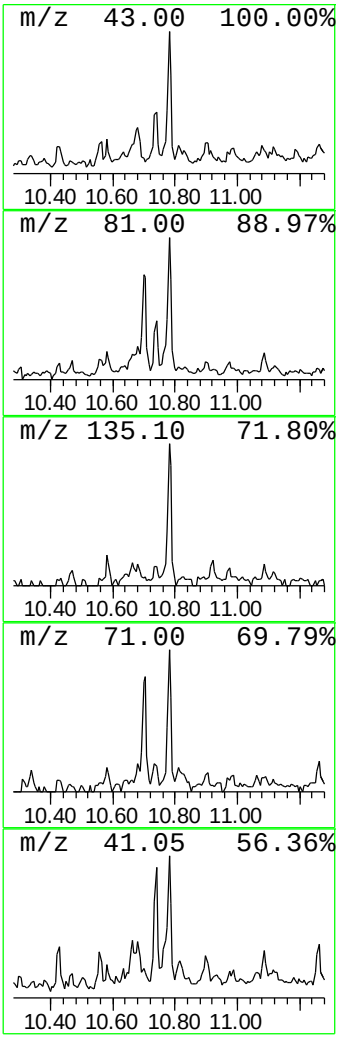
****

Peak Number 5 Selina-6-en-4-ol Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.78	6.26 ng	230985	Phenanthrene-d10	11.40

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Selina-6-en-4-ol	222	C15H26O	1000140-23-2	53
2	Azulene, 1,2,3,3a,4,5,6,7-octahy...	204	C15H24	022567-17-5	50
3	Longifolene	204	C15H24	000475-20-7	38
4	(-)-Globulol	222	C15H26O	000489-41-8	38
5	2,10,10-Trimethyltricyclo[7.1.1....	204	C14H20O	148323-04-0	30





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF121619\
Data File : BF118222.D
Acq On : 17 Dec 2019 3:14
Operator : JU
Sample : K6284-02
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 48-SPRUCE

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF120619.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

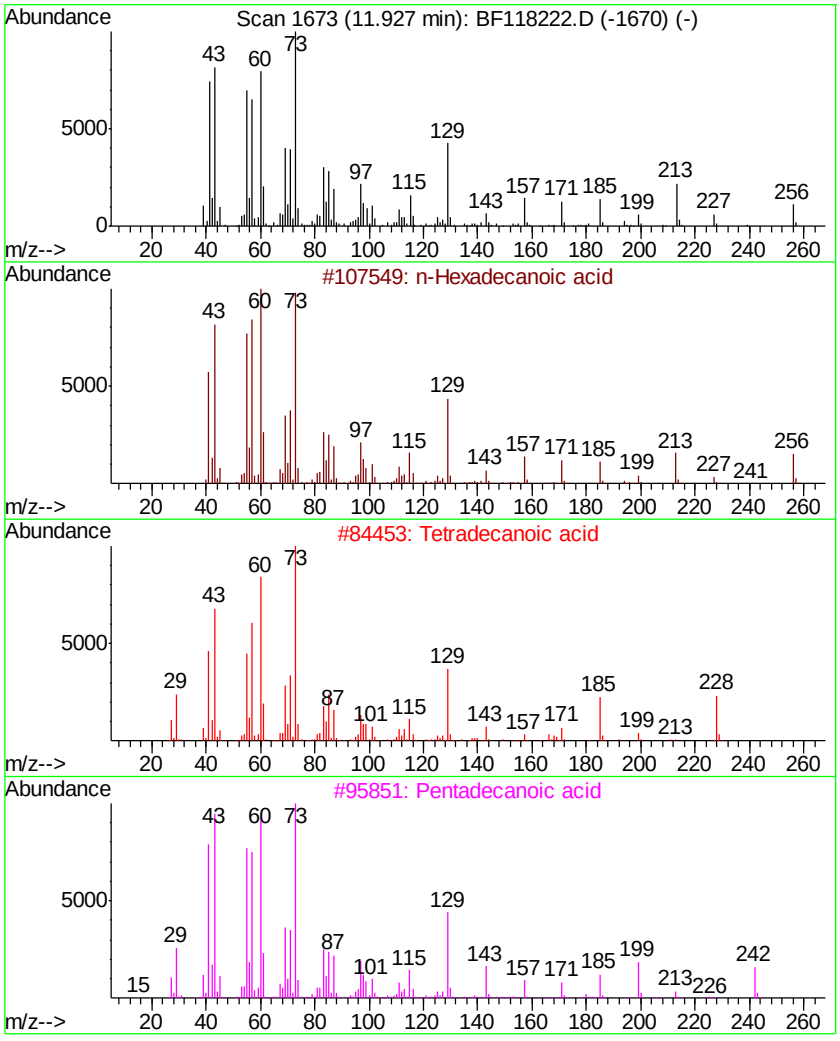
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

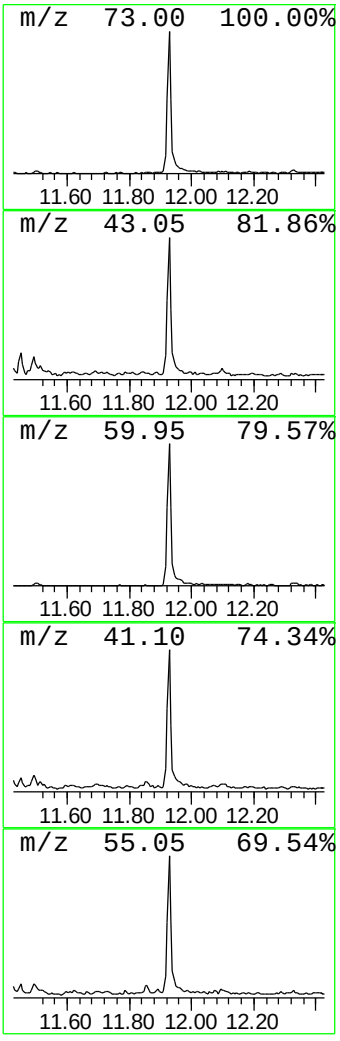
****

Peak Number 6 n-Hexadecanoic acid Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.93	15.79 ng	582594	Phenanthrene-d10	11.40

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	99
2	Tetradecanoic acid	228	C14H28O2	000544-63-8	94
3	Pentadecanoic acid	242	C15H30O2	001002-84-2	93
4	Tridecanoic acid	214	C13H26O2	000638-53-9	91
5	Undecanoic acid	186	C11H22O2	000112-37-8	80





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Acq On : 17 Dec 2019 3:14
Operator : JU
Sample : K6284-02
Misc :
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ClientSampleId : 48-SPRUCE

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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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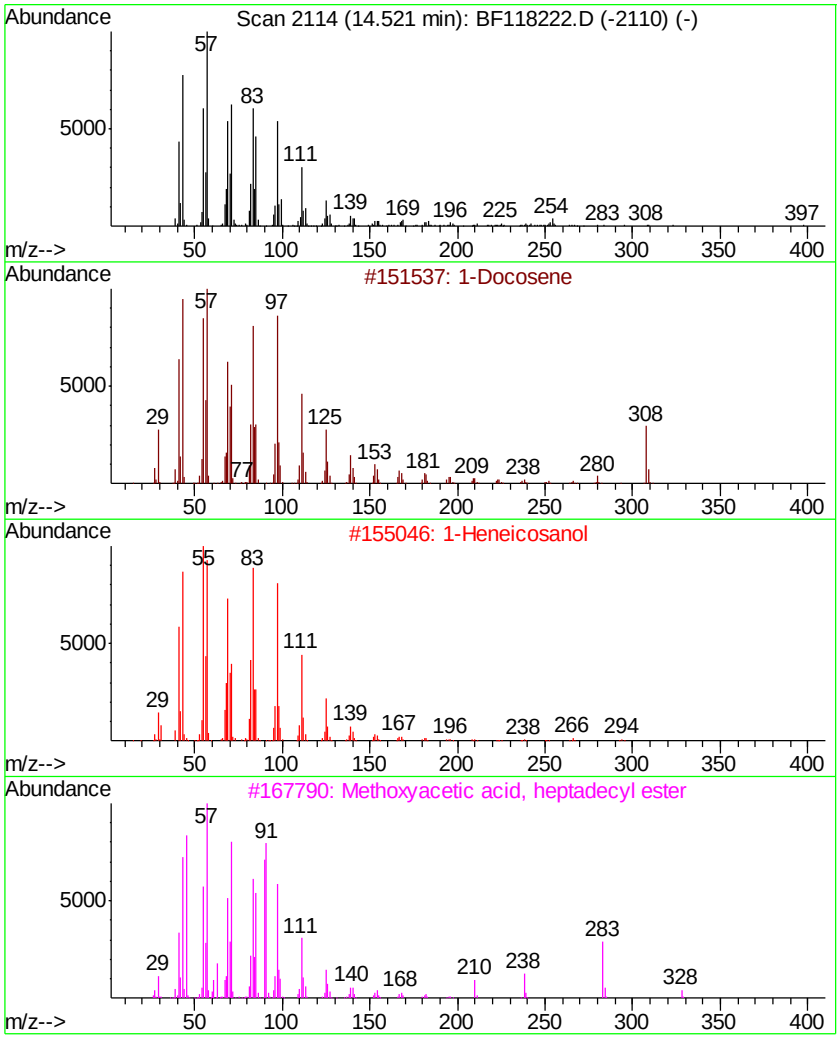
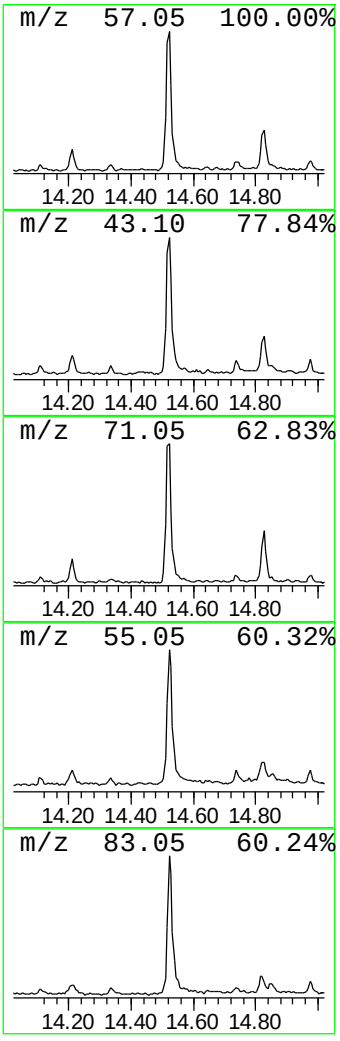
Peak Number 8 1-Docosene Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.52	16.74 ng	805329	Chrysene-d12	14.06

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Docosene	308	C22H44	001599-67-3	93
2	1-Heneicosanol	312	C21H44O	015594-90-8	91
3	Methoxyacetic acid, heptadecyl e...	328	C20H40O3	1000282-99-1	90
4	Octadecane	254	C18H38	000593-45-3	89
5	Cyclopentadecane	210	C15H30	000295-48-7	89





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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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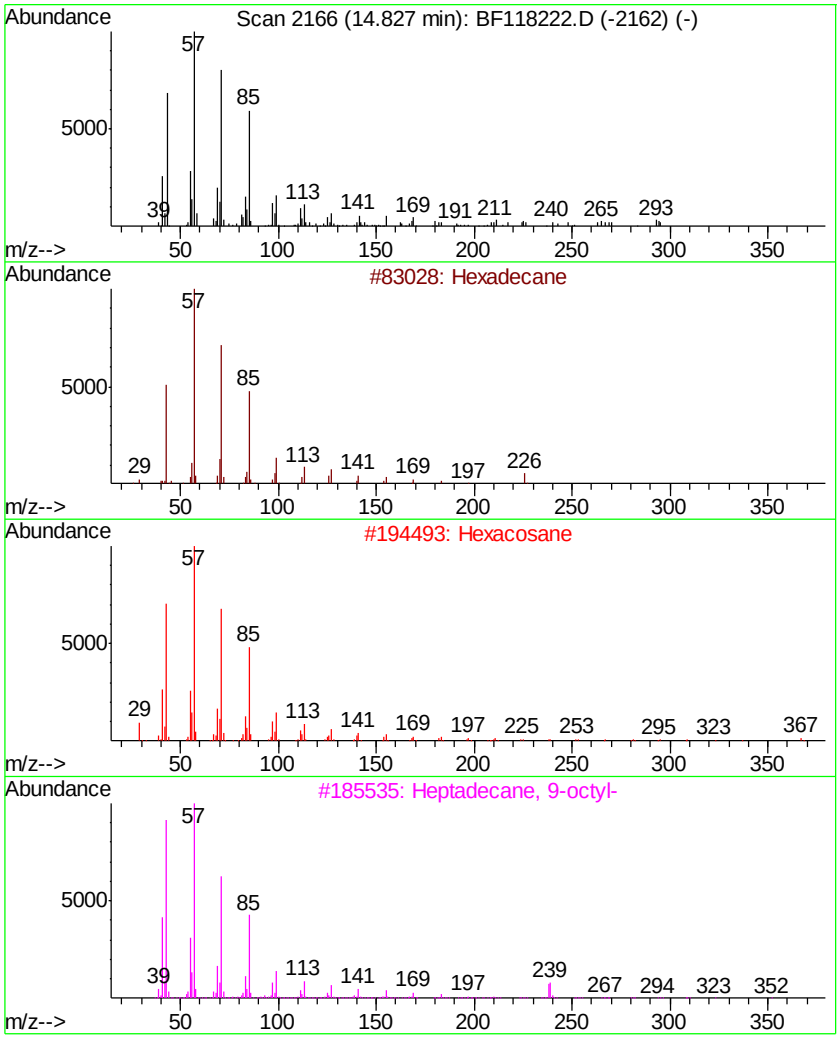
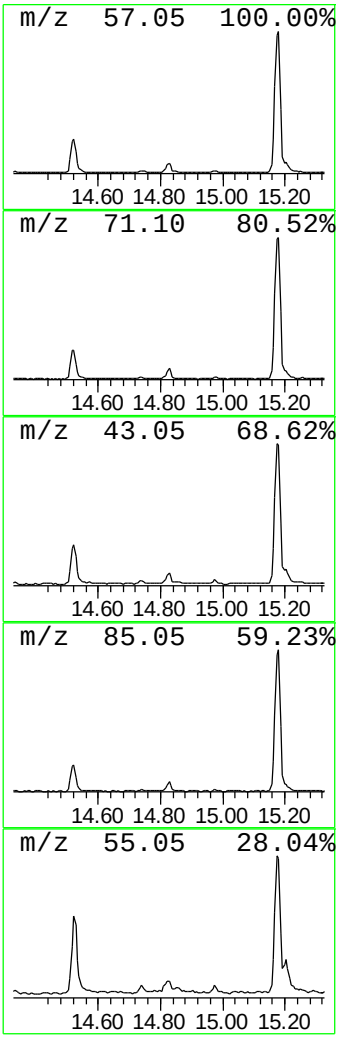
Peak Number 9 Hexadecane Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.83	5.12 ng	250810	Perylene-d12	15.55

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexadecane	226	C16H34	000544-76-3	91
2	Hexacosane	366	C26H54	000630-01-3	91
3	Heptadecane, 9-octyl-	352	C25H52	007225-64-1	91
4	Heneicosane	296	C21H44	000629-94-7	90
5	Heptadecane	240	C17H36	000629-78-7	87





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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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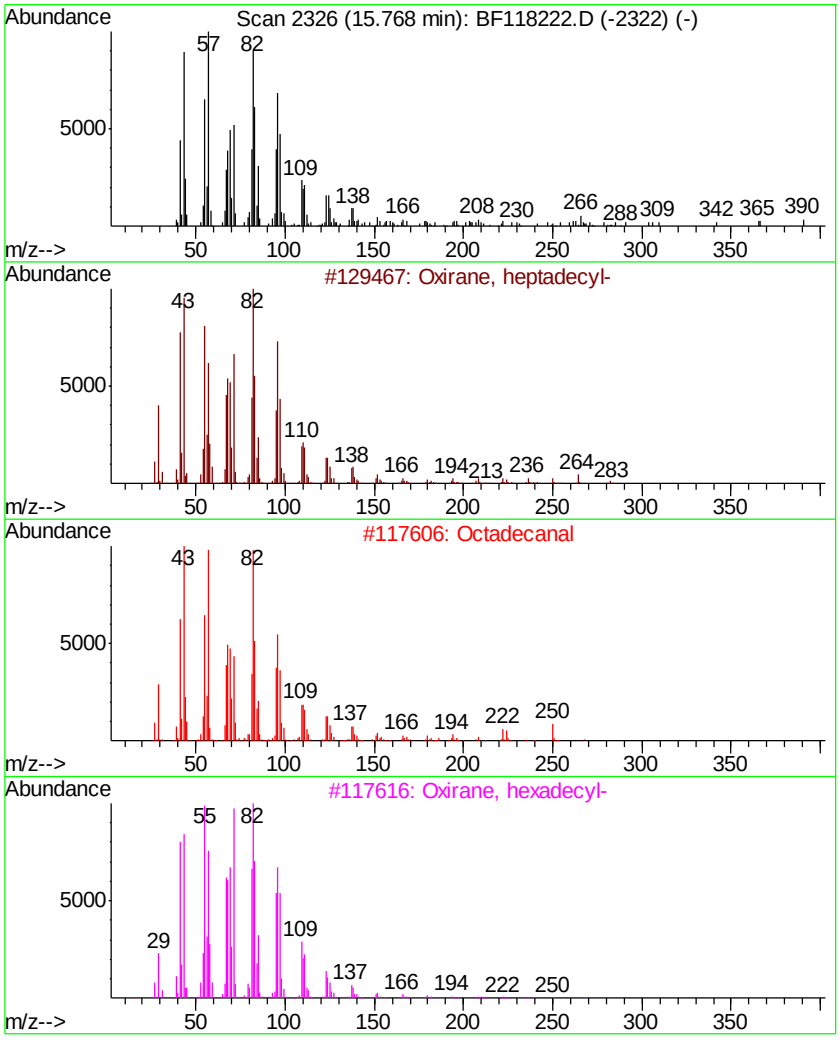
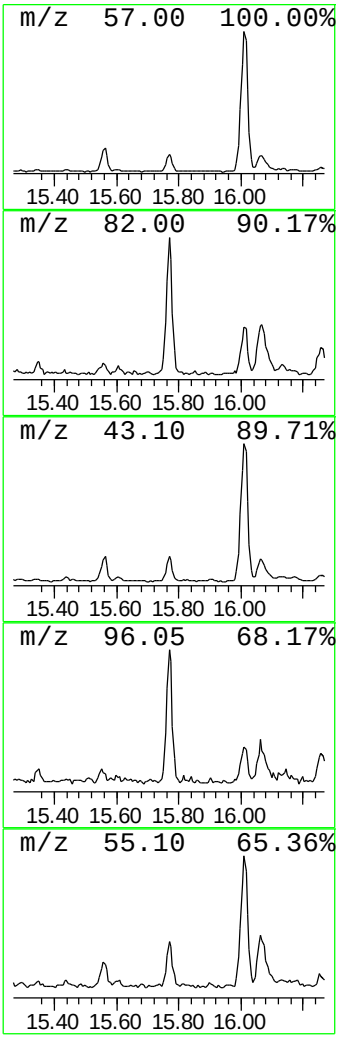
Peak Number 11 Octadecanal Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.77	5.70 ng	278930	Perylene-d12	15.55

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Oxirane, heptadecyl-	282	C19H38O	067860-04-2	95
2	Octadecanal	268	C18H36O	000638-66-4	94
3	Oxirane, hexadecyl-	268	C18H36O	007390-81-0	87
4	E-11(13-Methyl)tetradecen-1-ol a...	268	C17H32O2	1000130-80-4	83
5	1,13-Tetradecadiene	194	C14H26	021964-49-8	83





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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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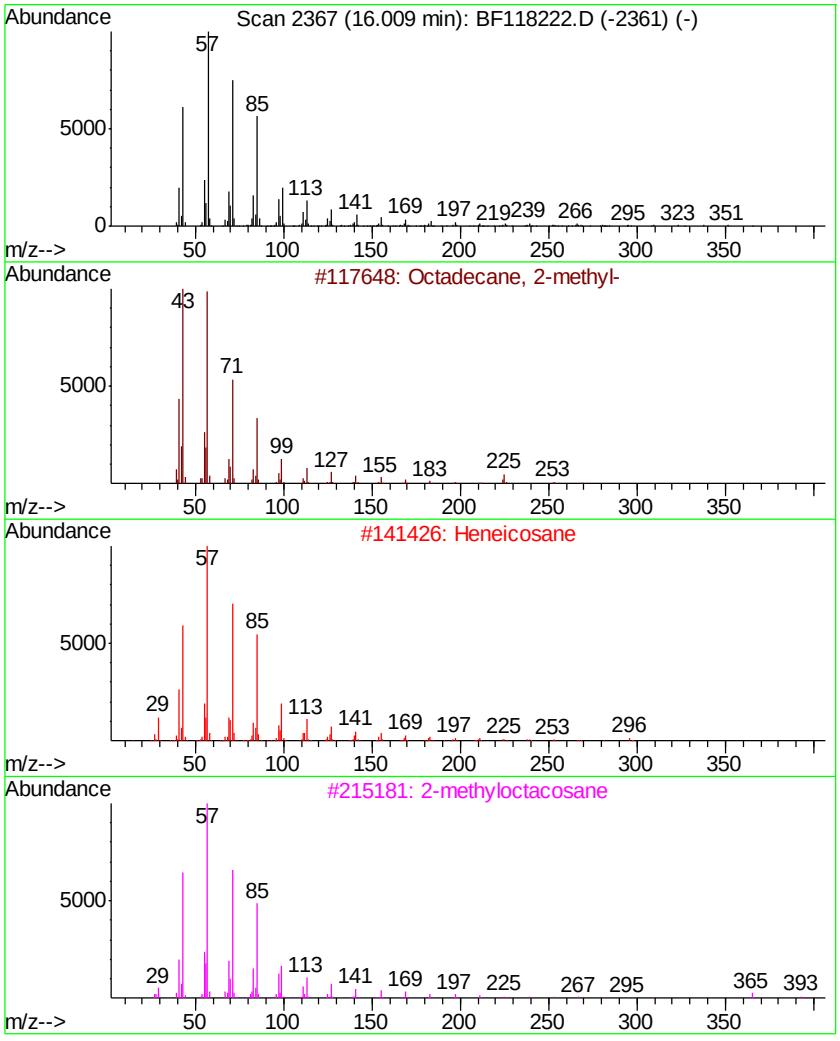
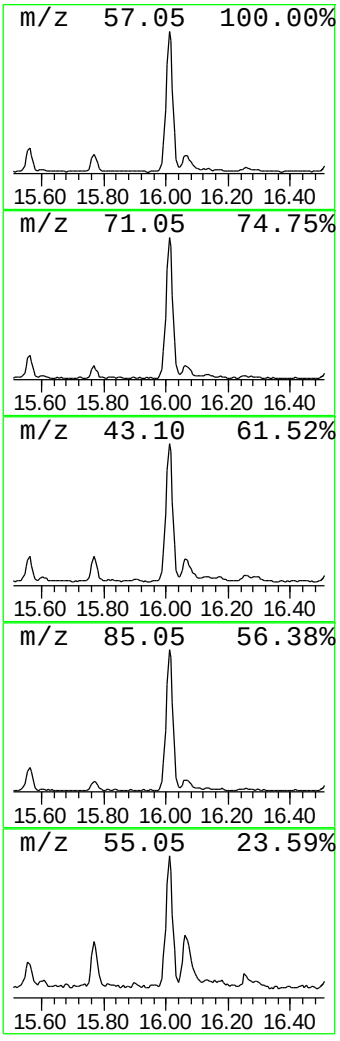
Peak Number 12 Octadecane, 2-methyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.01	24.92 ng	1219570	Perylene-d12	15.55

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octadecane, 2-methyl-	268	C19H40	001560-88-9	91
2	Heneicosane	296	C21H44	000629-94-7	91
3	2-methyloctacosane	408	C29H60	1000376-72-8	91
4	Triacontane	422	C30H62	000638-68-6	91
5	Heptacosane	380	C27H56	000593-49-7	91





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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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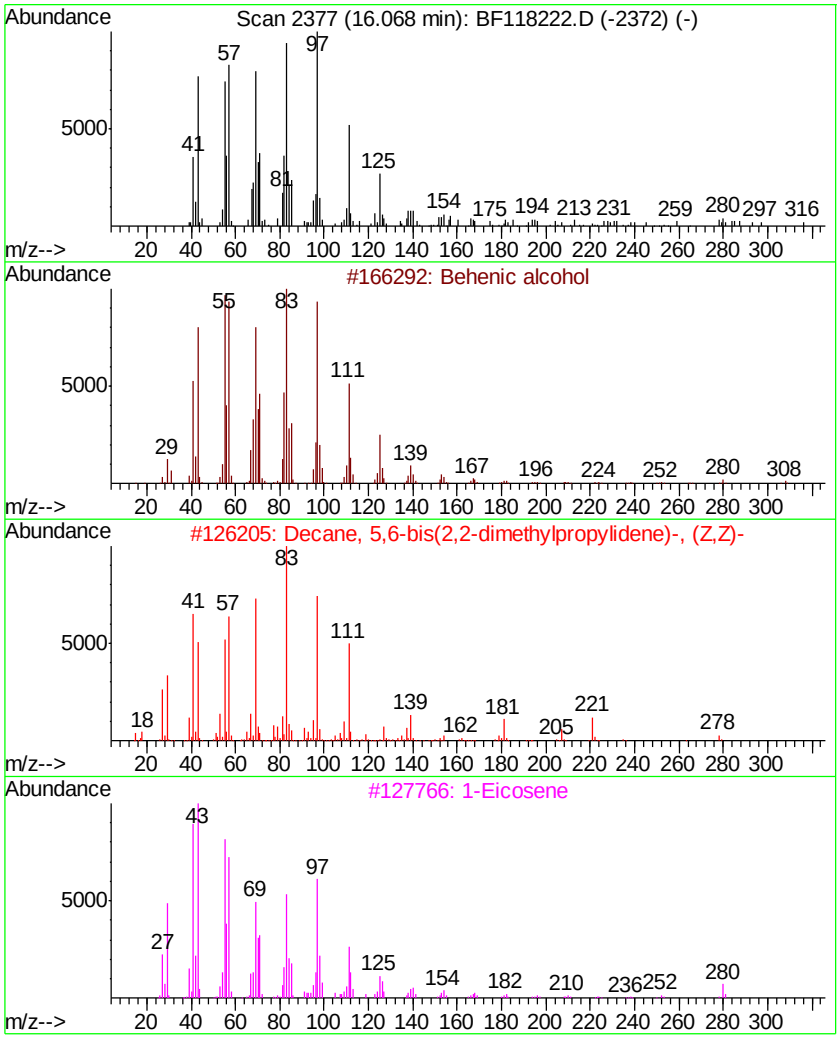
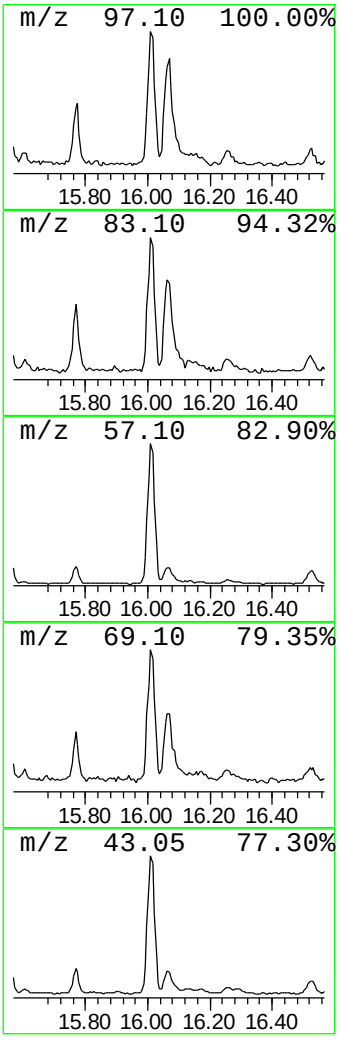
Peak Number 13 Behenic alcohol Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.07	6.75 ng	330320	Perylene-d12	15.55

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Behenic alcohol	326	C22H46O	000661-19-8	91
2	Decane, 5,6-bis(2,2-dimethylprop...	278	C20H38	073002-85-4	72
3	1-Eicosene	280	C20H40	003452-07-1	70
4	1-Heneicosanol	312	C21H44O	015594-90-8	68
5	Bromoacetic acid, hexadecyl ester	362	C18H35BrO2	005454-48-8	64





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

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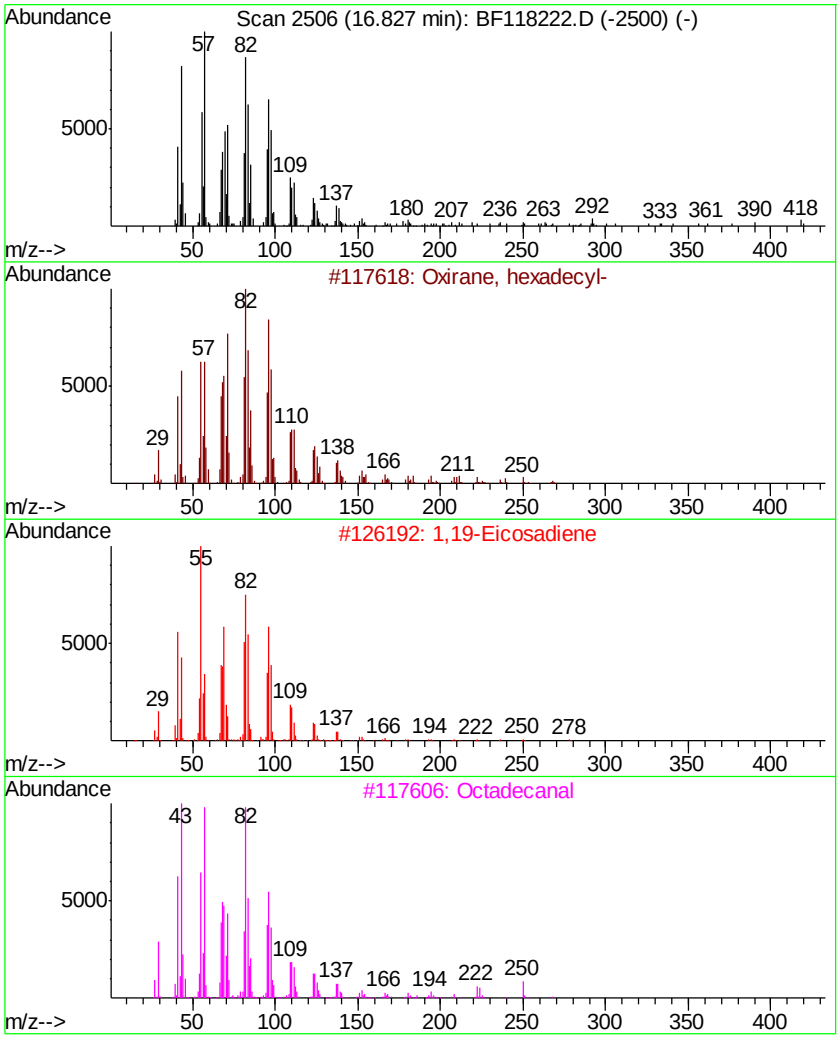
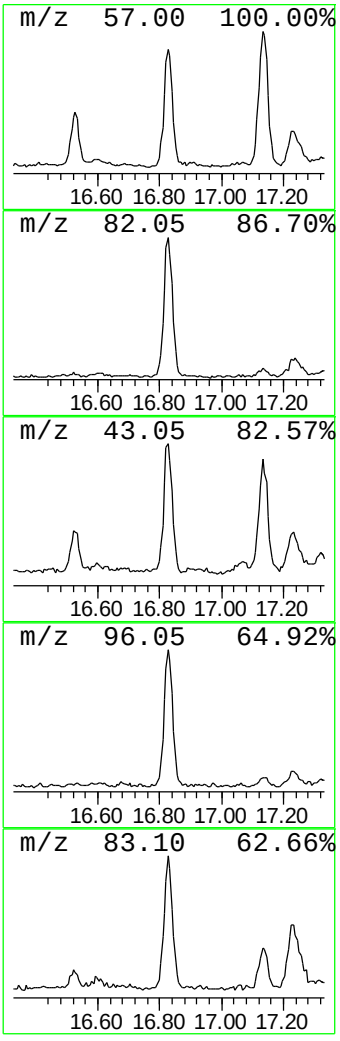
Peak Number 14 1,19-Eicosadiene Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.83	13.24 ng	648022	Perylene-d12	15.55

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Oxirane, hexadecyl-	268	C18H36O	007390-81-0	96
2	1,19-Eicosadiene	278	C20H38	014811-95-1	90
3	Octadecanal	268	C18H36O	000638-66-4	76
4	Z-2-Octadecen-1-ol	268	C18H36O	1000131-11-0	72
5	Oleyl alcohol, methyl ether	282	C19H38O	1000352-68-0	70





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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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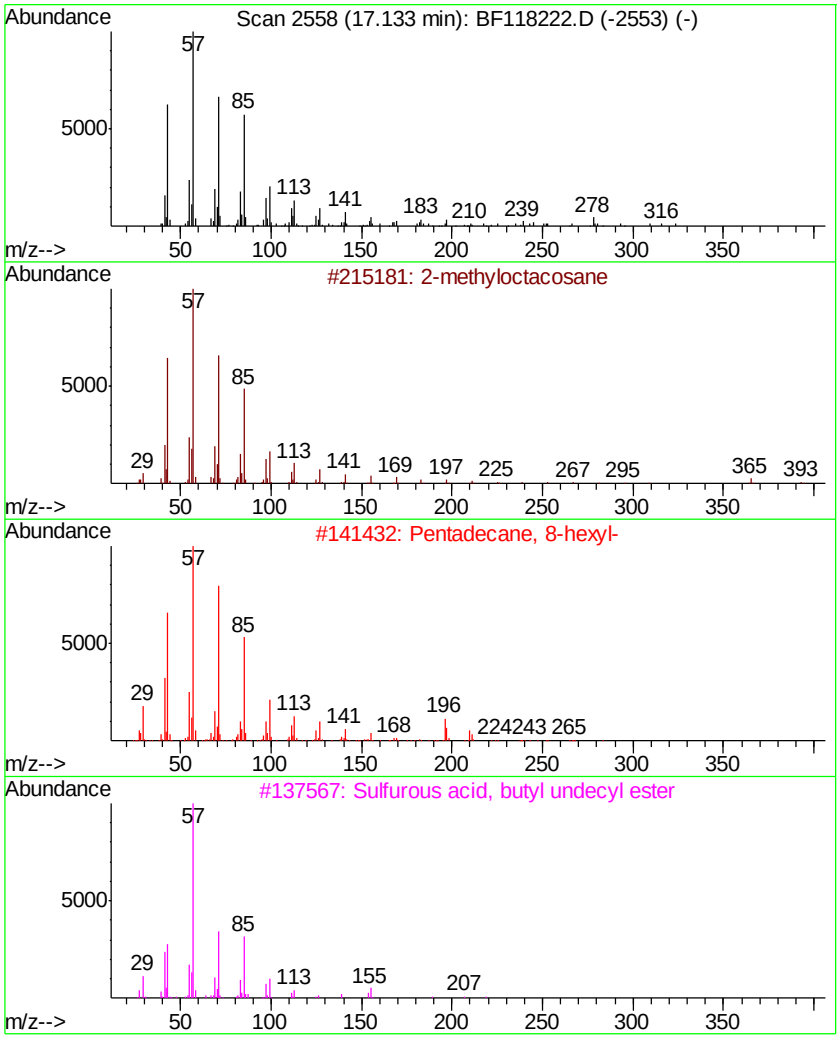
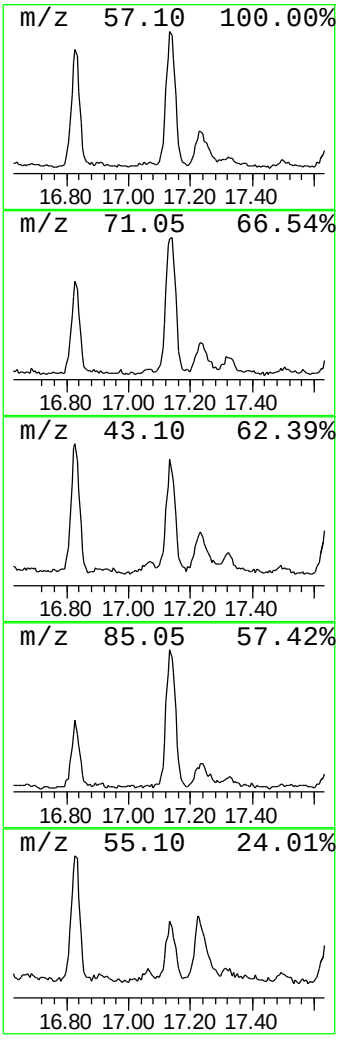
Peak Number 15 2-methyloctacosane Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.13	8.13 ng	398104	Perylene-d12	15.55

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-methyloctacosane	408	C29H60	1000376-72-8	91
2	Pentadecane, 8-hexyl-	296	C21H44	013475-75-7	91
3	Sulfurous acid, butyl undecyl ester	292	C15H32O3S	1000309-17-8	87
4	Triacontane	422	C30H62	000638-68-6	87
5	Heneicosane	296	C21H44	000629-94-7	87





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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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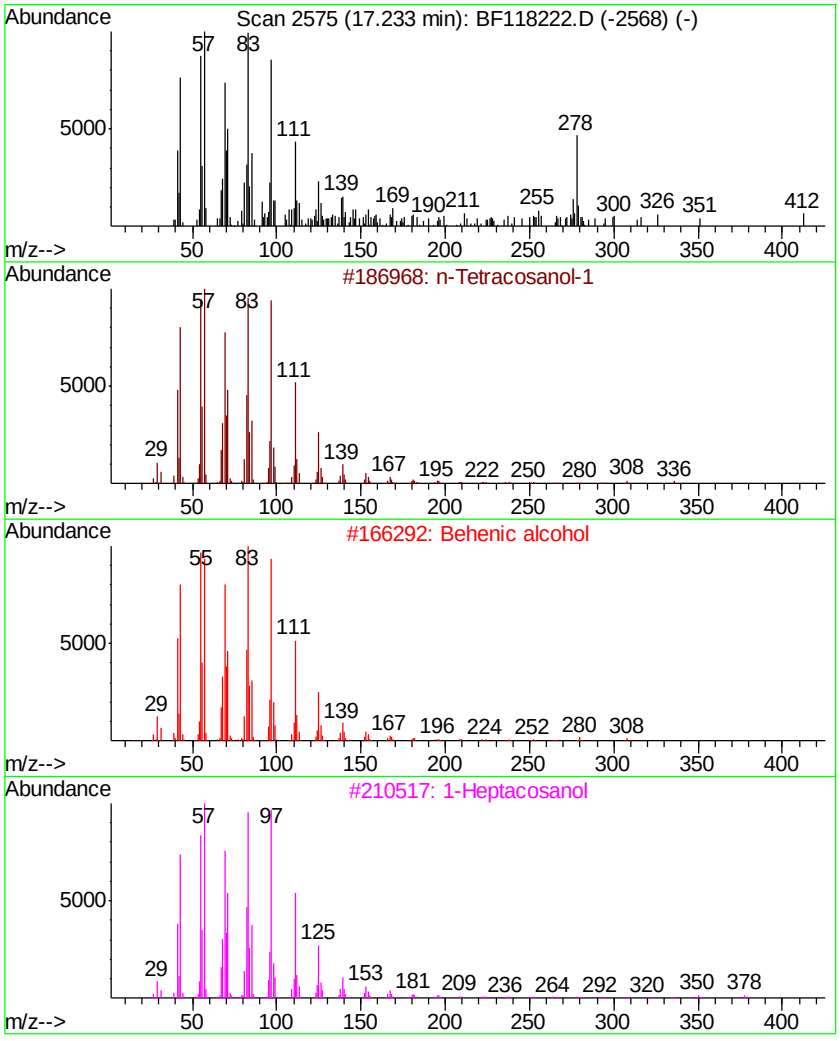
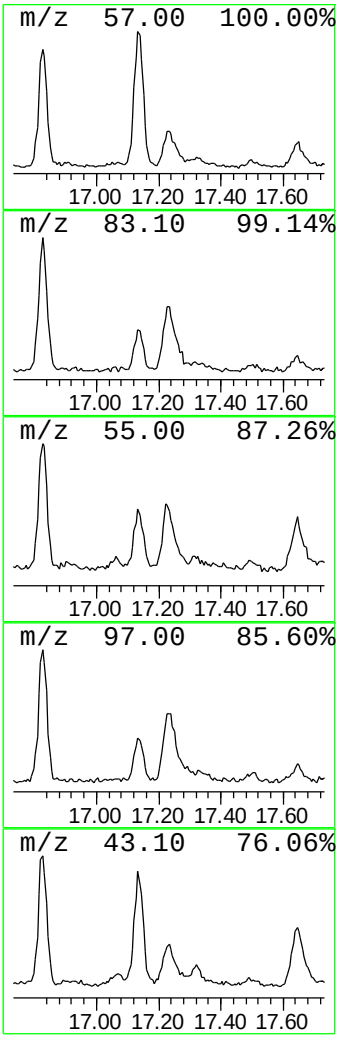
Peak Number 16 n-Tetracosanol-1 Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.23	7.83 ng	383148	Perylene-d12	15.55

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	n-Tetracosanol-1	354	C24H50O	000506-51-4	93
2	Behenic alcohol	326	C22H46O	000661-19-8	93
3	1-Heptacosanol	396	C27H56O	002004-39-9	91
4	1-Octadecene	252	C18H36	000112-88-9	89
5	Octacosanol	410	C28H58O	000557-61-9	87





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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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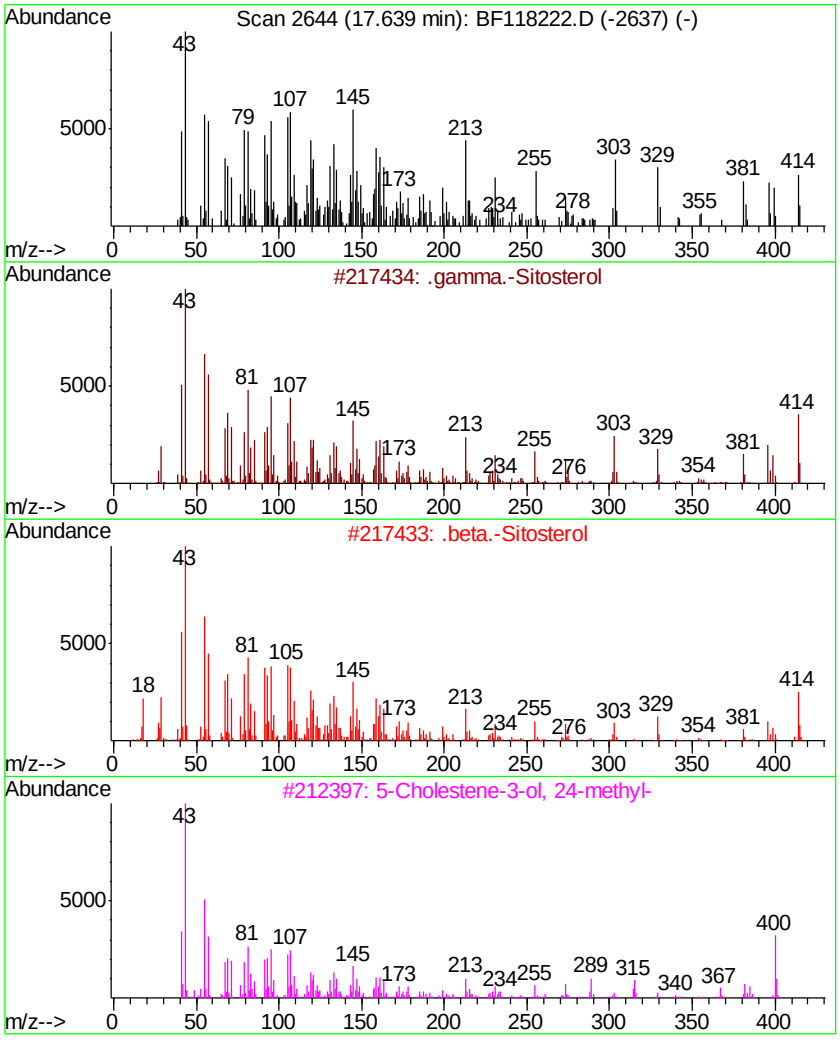
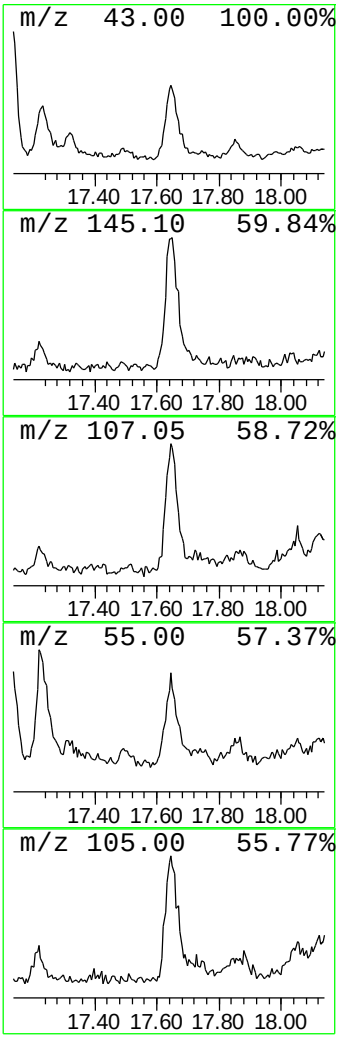
Peak Number 17 .gamma.-Sitosterol Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.64	16.98 ng	831065	Perylene-d12	15.55

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	.gamma.-Sitosterol	414	C29H50O	000083-47-6	99
2	.beta.-Sitosterol	414	C29H50O	000083-46-5	97
3	5-Cholestene-3-ol, 24-methyl-	400	C28H48O	1000214-17-4	38
4	Ergost-7-en-3-ol, (3.beta.)-	400	C28H48O	026047-31-4	14
5	Stigmastan-3-en-6-ol	414	C29H50O	1000214-19-7	11





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

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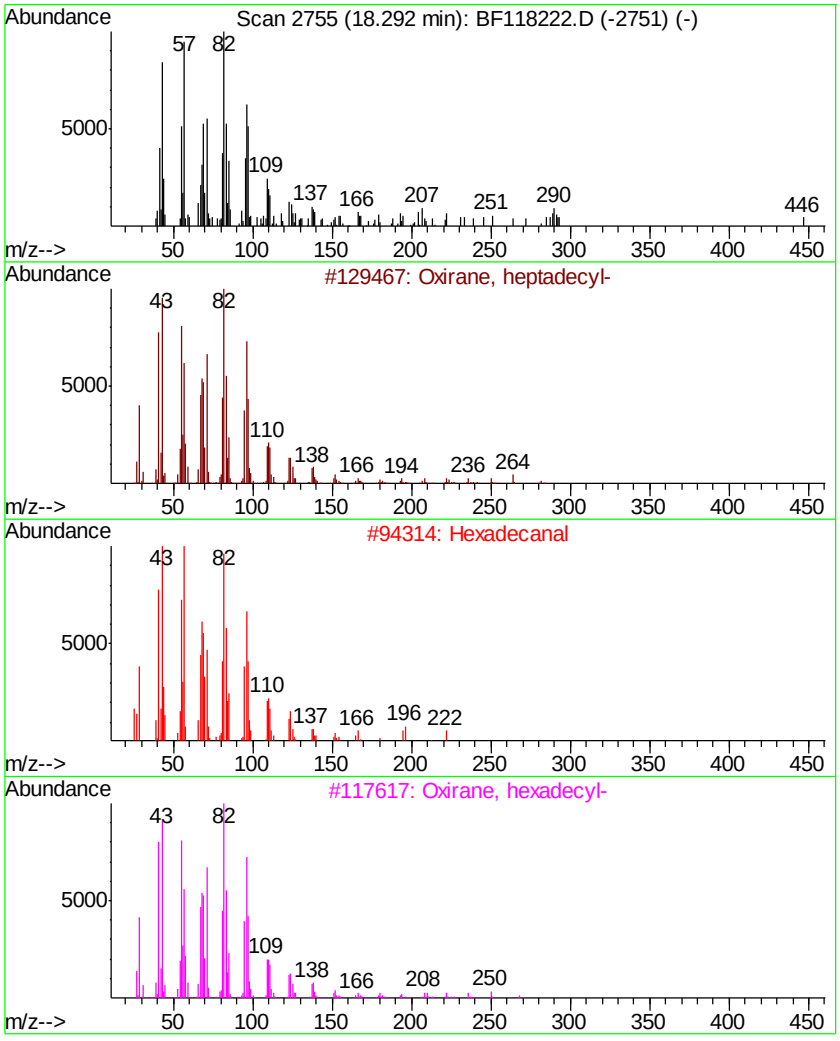
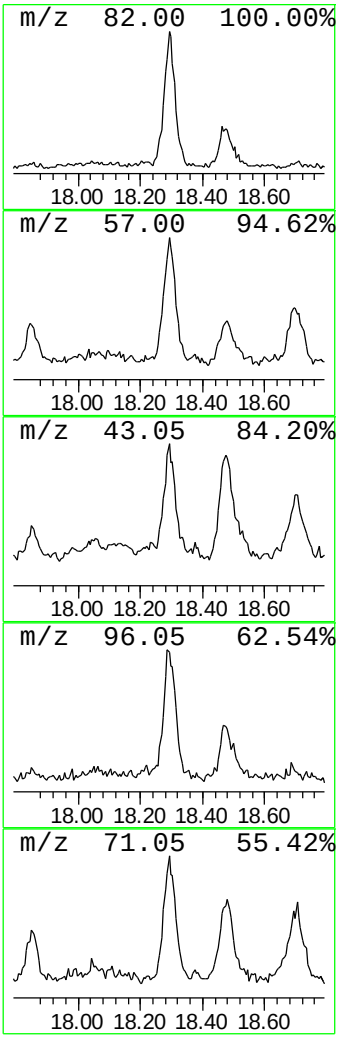
Peak Number 18 Oxirane, heptadecyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.29	6.45 ng	315760	Perylene-d12	15.55

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Oxirane, heptadecyl-	282	C19H38O	067860-04-2	90
2	Hexadecanal	240	C16H32O	000629-80-1	90
3	Oxirane, hexadecyl-	268	C18H36O	007390-81-0	90
4	Octadecanal	268	C18H36O	000638-66-4	80
5	16-Heptadecenal	252	C17H32O	1000144-57-9	72





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TIC Integration Parameters: LSCINT.P

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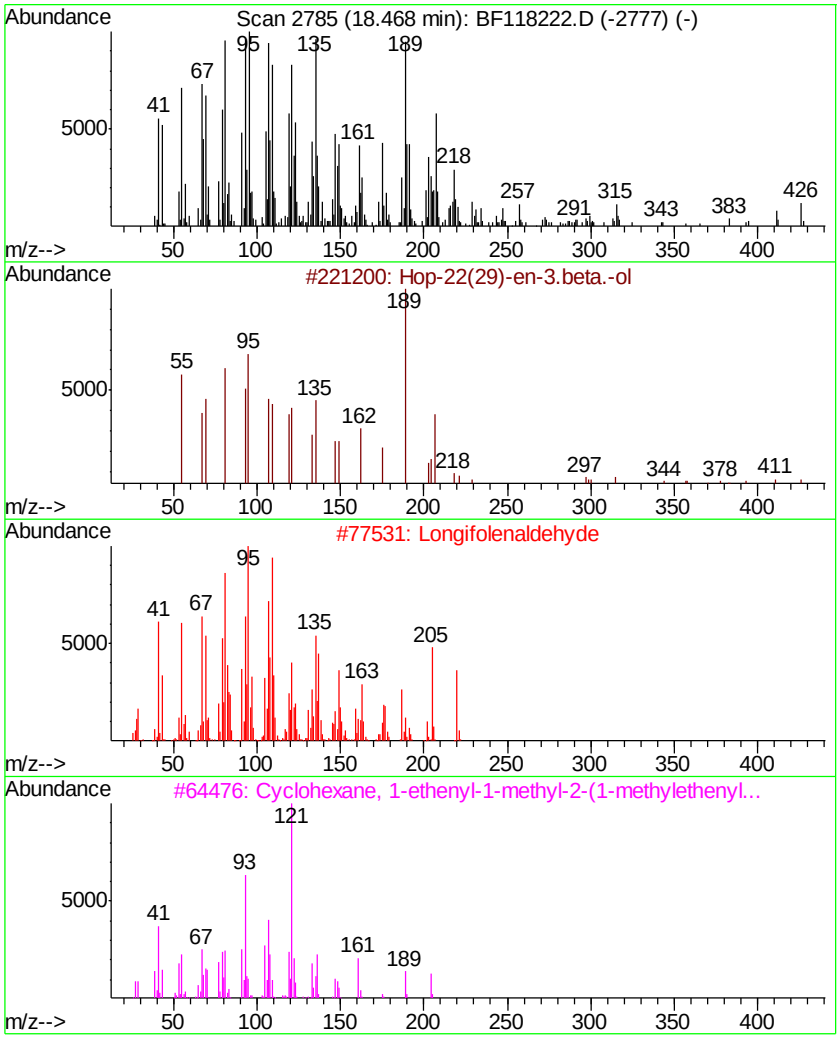
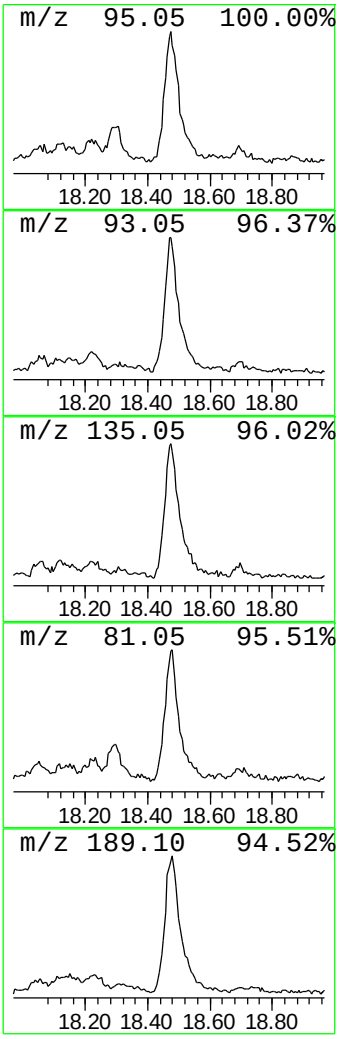
Peak Number 19 Hop-22(29)-en-3.beta.-ol Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.47	36.96 ng	1808830	Perylene-d12	15.55

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hop-22(29)-en-3.beta.-ol	426	C30H50O	058801-23-3	83
2	Longifolenaldehyde	220	C15H24O	019890-84-7	45
3	Cyclohexane, 1-ethenyl-1-methyl-...	204	C15H24	003242-08-8	45
4	.gamma.-Elemene	204	C15H24	029873-99-2	45
5	Guaia-9,11-diene	204	C15H24	1000374-19-8	45





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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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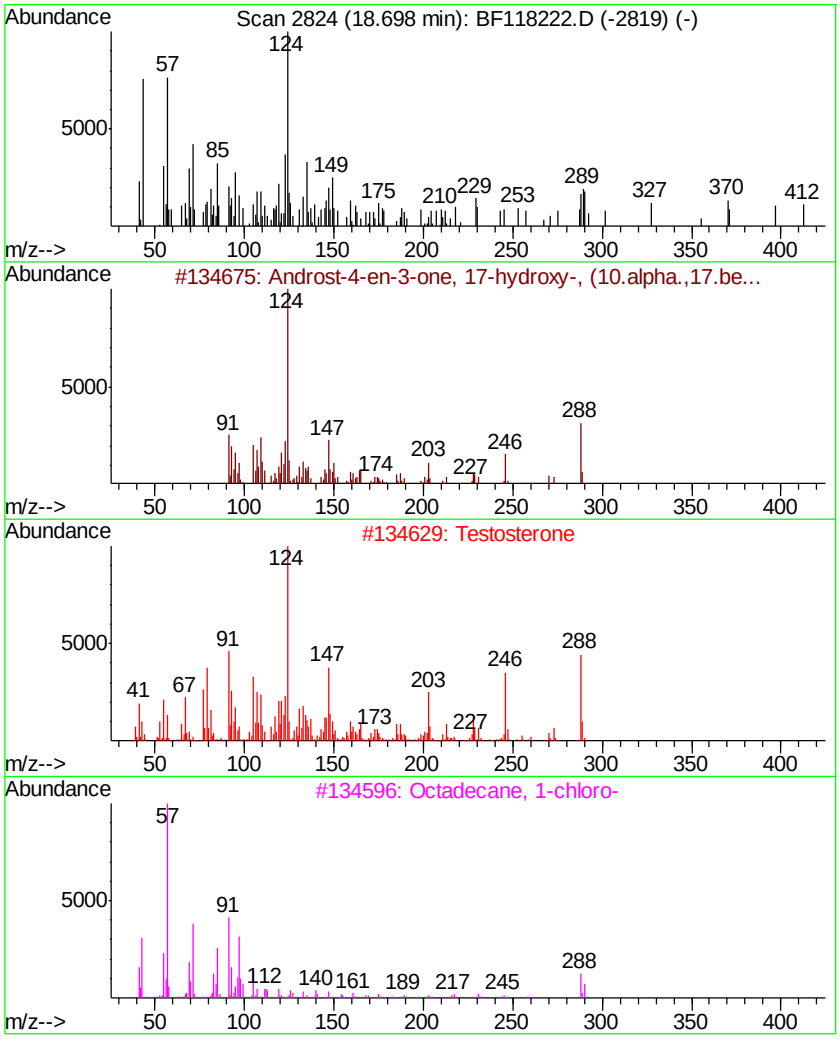
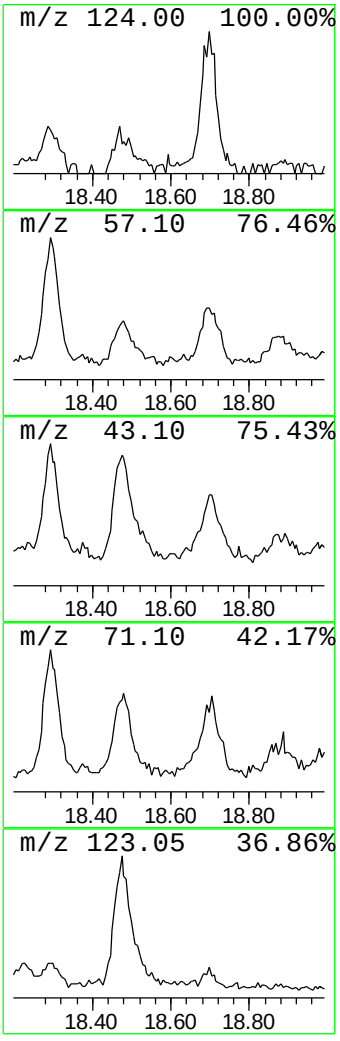
Peak Number 20 unknown18.70 Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.70	6.58 ng	322218	Perylene-d12	15.55

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Androst-4-en-3-one, 17-hydroxy-,...	288	C19H28O2	000604-39-7	46
2	Testosterone	288	C19H28O2	000058-22-0	25
3	Octadecane, 1-chloro-	288	C18H37Cl	003386-33-2	25
4	Hyoscyamine	289	C17H23NO3	000101-31-5	22
5	4,4,8-Trimethyl-non-7-en-2-one	182	C12H22O	1000187-18-6	18





Tentatively Identified Compound (LSC) summary

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF121619\
Data File : BF118222.D
Acq On : 17 Dec 2019 3:14
Operator : JU
Sample : K6284-02
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 48-SPRUCE

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF120619.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...	5.06	13.3	ng	353808	1	6.86	533605	20.0
unknown6.63	6.63	80.6	ng	2149770	1	6.86	533605	20.0
Cyclohexane, 1-et...	9.34	5.1	ng	211100	3	9.91	824213	20.0
Selina-6-en-4-ol	10.78	6.3	ng	230985	4	11.40	737898	20.0
n-Hexadecanoic acid	11.93	15.8	ng	582594	4	11.40	737898	20.0
1-Docosene	14.52	16.7	ng	805329	5	14.06	962245	20.0
Hexadecane	14.83	5.1	ng	250810	6	15.55	978865	20.0
Octadecanal	15.77	5.7	ng	278930	6	15.55	978865	20.0
Octadecane, 2-met...	16.01	24.9	ng	1219570	6	15.55	978865	20.0
Behenic alcohol	16.07	6.8	ng	330320	6	15.55	978865	20.0
1,19-Eicosadiene	16.83	13.2	ng	648022	6	15.55	978865	20.0
2-methyloctacosane	17.13	8.1	ng	398104	6	15.55	978865	20.0
n-Tetracosanol-1	17.23	7.8	ng	383148	6	15.55	978865	20.0
.gamma.-Sitosterol	17.64	17.0	ng	831065	6	15.55	978865	20.0
Oxirane, heptadecyl-	18.29	6.5	ng	315760	6	15.55	978865	20.0
Hop-22(29)-en-3.b...	18.47	37.0	ng	1808830	6	15.55	978865	20.0
unknown18.70	18.70	6.6	ng	322218	6	15.55	978865	20.0