LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF081919\
Data File : BF116411.D
Acq On : 20 Aug 2019 1:59
Operator : HP/JU
Sample : K4223-17
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SP-9

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-BF073019.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	5.434	566	569	590	rBV	1418075	1780050	85.42%	6.447%
2	6.333	719	722	725	rBV3	21258	23670	1.14%	0.086%
3	6.451	739	742	754	rBV	1766404	1932357	92.73%	6.998%
4	6.581	761	764	770	rVV	2068727	1959022	94.01%	7.095%
5	6.639	770	774	780	rVB3	70049	81253	3.90%	0.294%
6	6.804	799	802	809	rVB	690164	626655	30.07%	2.270%
7	6.957	825	828	838	rVB	1627240	1479481	71.00%	5.358%
8	7.081	843	849	851	rVB3	27354	34159	1.64%	0.124%
9	7.139	855	859	863	rVB3	20959	30777	1.48%	0.111%
10	7.192	864	868	871	rBV3	34464	36998	1.78%	0.134%
11	7.339	887	893	895	rBV3	29136	38931	1.87%	0.141%
12	7.369	895	898	901	rBV	1298464	1120172	53.75%	4.057%
13	7.398	901	903	907	rVB	125830	119276	5.72%	0.432%
14	7.604	936	938	941	rVB	48322	37929	1.82%	0.137%
15	7.704	949	955	956	rBV4	22332	31203	1.50%	0.113%
16	7.722	956	958	962	rVB4	29741	27742	1.33%	0.100%
17	7.828	973	976	982	rBV5	31260	36370	1.75%	0.132%
18	8.063	1013	1016	1017	rBV	59469	46865	2.25%	0.170%
19	8.080	1017	1019	1026	rVV	813507	837687	40.20%	3.034%
20	8.139	1027	1029	1032	rVV	60447	52635	2.53%	0.191%
21	8.169	1032	1034	1041	rVB5	18677	27621	1.33%	0.100%
22	8.369	1061	1068	1075	rBV6	31267	51996	2.50%	0.188%
23	8.498	1087	1090	1092	rBV	50194	44241	2.12%	0.160%
24	8.522	1092	1094	1100	rVB4	22220	25672	1.23%	0.093%
25	8.669	1116	1119	1123	rBV2	36294	30636	1.47%	0.111%
26	9.098	1189	1192	1198	rBV	43899	34928	1.68%	0.126%
27	9.151	1198	1201	1211	rBV	2207904	2083853	100.00%	7.547%
28	9.233	1211	1215	1218	rVV	35450	35467	1.70%	0.128%
29	9.422	1245	1247	1252	rBV4	23990	27081	1.30%	0.098%
30	9.492	1256	1259	1263	rBV3	24644	35045	1.68%	0.127%
31	9.551	1263	1269	1273	rBV	484971	413558	19.85%	1.498%
32	9.698	1292	1294	1298	rBV	24650	24873	1.19%	0.090%
33	9.833	1314	1317	1321	rBV	1242443	1023458	49.11%	3.707%
34	9.869	1321	1323	1328	rVB	42606	40592	1.95%	0.147%

LSC Area Percent Report

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Sample : K4223-17
Misc :
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Instrument : BNA_F
ClientSampleId : SP-9

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-BF073019.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	9.951	1334	1337	1340	rVB2	34688	29045	1.39%	0.105%
36	10.386	1408	1411	1416	rVB	43182	37416	1.80%	0.136%
37	10.627	1448	1452	1467	rBV	1681524	1599409	76.75%	5.792%
38	10.745	1467	1472	1475	rBV3	33242	48990	2.35%	0.177%
39	10.986	1511	1513	1516	rBV2	27773	27390	1.31%	0.099%
40	11.221	1552	1553	1558	rVB	24564	24389	1.17%	0.088%
41	11.321	1567	1570	1572	rBV	1250399	1028546	49.36%	3.725%
42	11.345	1572	1574	1579	rVV	418403	380709	18.27%	1.379%
43	11.404	1579	1584	1589	rVV	73633	85277	4.09%	0.309%
44	11.568	1609	1612	1616	rBV3	48134	48021	2.30%	0.174%
45	11.774	1644	1647	1649	rBV	108119	121630	5.84%	0.441%
46	11.845	1656	1659	1667	rVB2	415370	473145	22.71%	1.714%
47	11.939	1672	1675	1677	rBV	95674	92821	4.45%	0.336%
48	12.004	1684	1686	1691	rBV5	66595	64790	3.11%	0.235%
49	12.115	1703	1705	1710	rBV	41334	46350	2.22%	0.168%
50	12.374	1746	1749	1751	rBV	60446	51363	2.46%	0.186%
51	12.457	1760	1763	1769	rBV4	52449	81130	3.89%	0.294%
52	12.539	1773	1777	1779	rBV	606076	589777	28.30%	2.136%
53	12.563	1779	1781	1786	rVB	163904	157679	7.57%	0.571%
54	12.621	1789	1791	1796	rBV4	72051	109523	5.26%	0.397%
55	12.692	1800	1803	1805	rBV2	54542	53163	2.55%	0.193%
56	12.768	1810	1816	1822	rVV	501062	652944	31.33%	2.365%
57	12.898	1834	1838	1842	rVB	2222596	1959451	94.03%	7.096%
58	13.098	1870	1872	1874	rVB	68788	47961	2.30%	0.174%
59	13.162	1881	1883	1885	rVB	50473	37545	1.80%	0.136%
60	13.292	1903	1905	1908	rBV2	54234	59396	2.85%	0.215%
61	13.327	1908	1911	1916	rVV2	84799	123209	5.91%	0.446%
62	13.786	1986	1989	1995	rVB3	273583	290883	13.96%	1.053%
63	13.962	2015	2019	2022	rBV2	847325	976910	46.88%	3.538%
64	13.992	2022	2024	2031	rVB	202211	217325	10.43%	0.787%
65	14.409	2092	2095	2101	rVB2	148039	229649	11.02%	0.832%
66	15.004	2193	2196	2198	rBV	201126	244339	11.73%	0.885%
67	15.033	2198	2201	2204	rVB	534496	543082	26.06%	1.967%
68	15.304	2244	2247	2251	rVB	114655	122149	5.86%	0.442%
69	15.368	2255	2258	2261	rVV	169835	211134	10.13%	0.765%
70	15.421	2264	2267	2281	rVB	615863	856198	41.09%	3.101%
71	15.815	2329	2334	2339	rVB	364872	520711	24.99%	1.886%

LSC Area Percent Report

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Sample : K4223-17
Misc :
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Instrument : BNA_F
ClientSampleId : SP-9

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-BF073019.M
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72	17.374	2594	2599	2613	rVB6	246824	878946	42.18%	3.183%
73	17.815	2669	2674	2683	rBV2	118163	257112	12.34%	0.931%

Sum of corrected areas: 27611760

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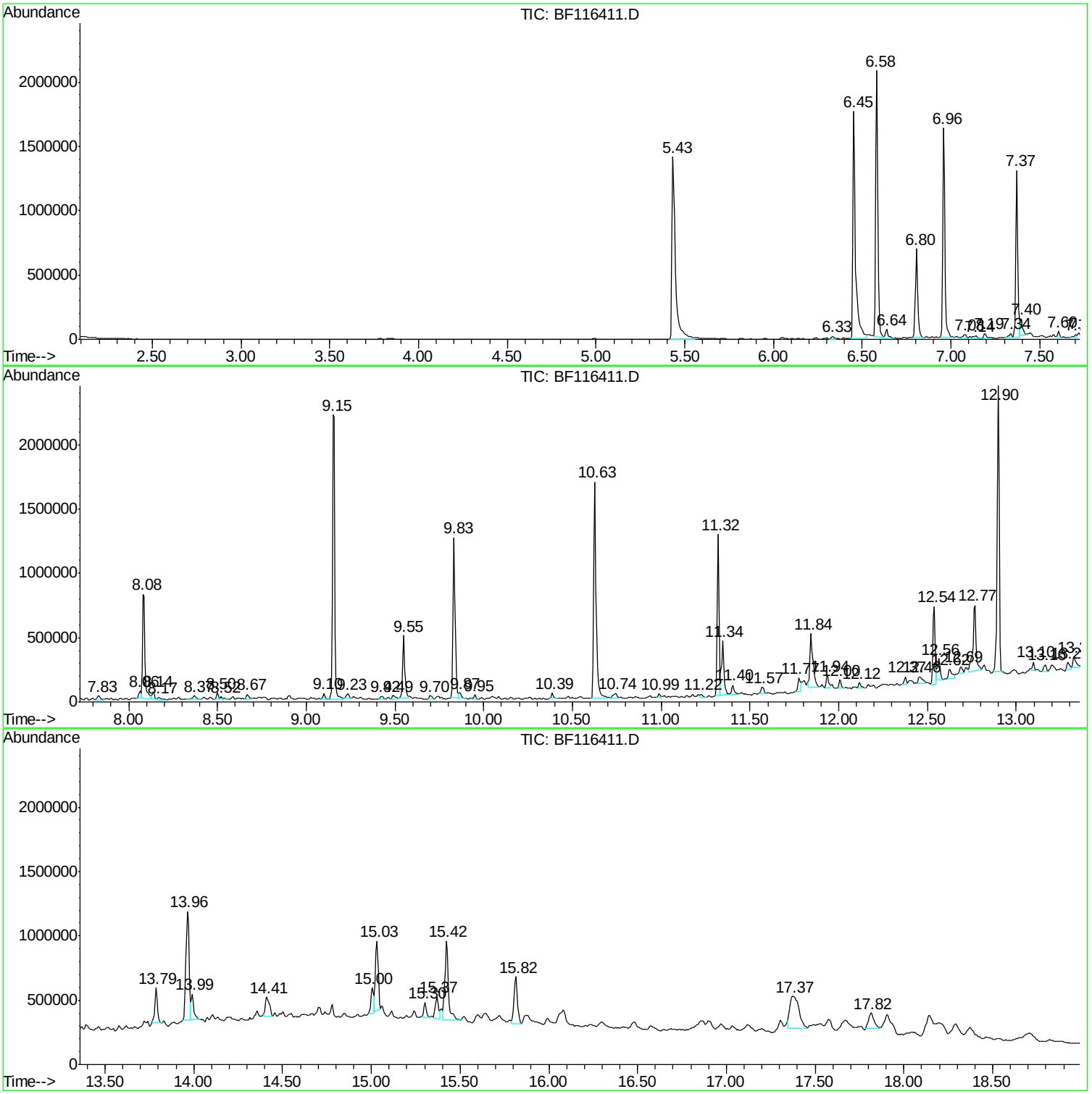
Instrument :
BNA_F
ClientSampleId :
SP-9

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

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



Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF081919\
Data File : BF116411.D
Acq On : 20 Aug 2019 1:59
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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

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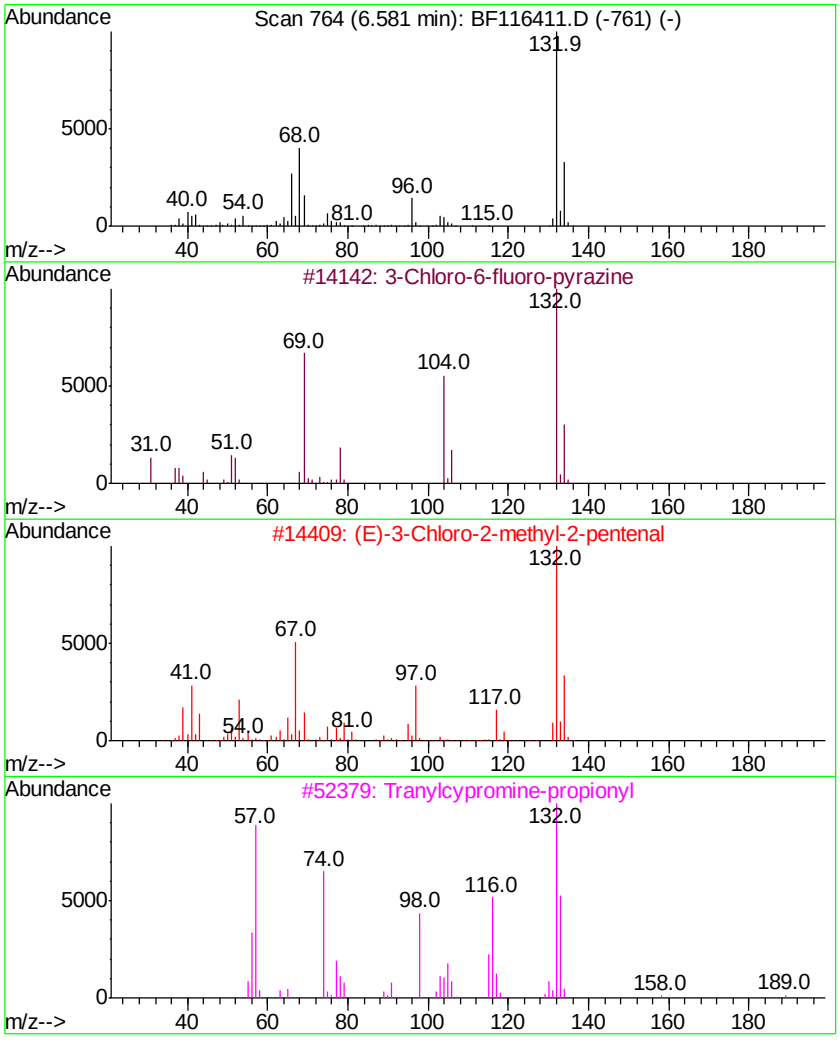
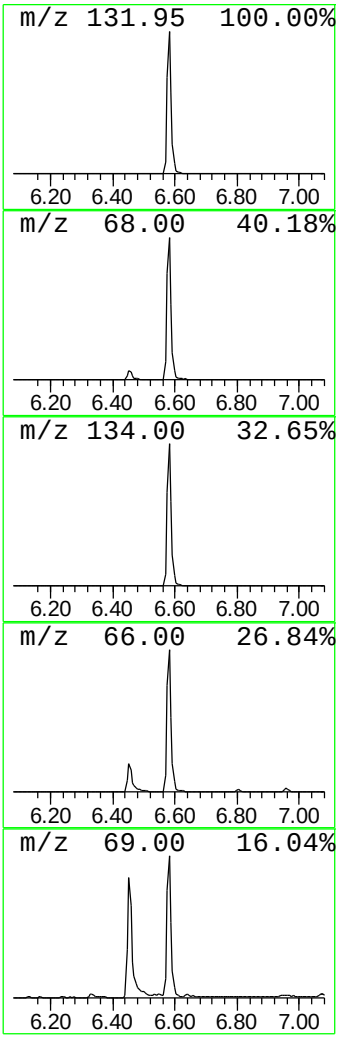
Peak Number 1 unknown6.58 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.58	62.52 ng	1959020	1,4-Dichlorobenzene-d4	6.80

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	16
2	(E)-3-Chloro-2-methyl-2-pentenal	132	C6H9ClO	031357-76-3	12
3	Tranylcypromine-propionyl	189	C12H15NO	1000123-86-3	12
4	Bicyclo[4.2.0]octa-1,3,5-triene,...	132	C10H12	028749-81-7	9
5	4-Chloro-2-fluoro-pyrimidine	132	C4H2ClFN2	051422-00-5	9





Library Search Compound Report

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Data File : BF116411.D
Acq On : 20 Aug 2019 1:59
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Sample : K4223-17
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SP-9

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

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

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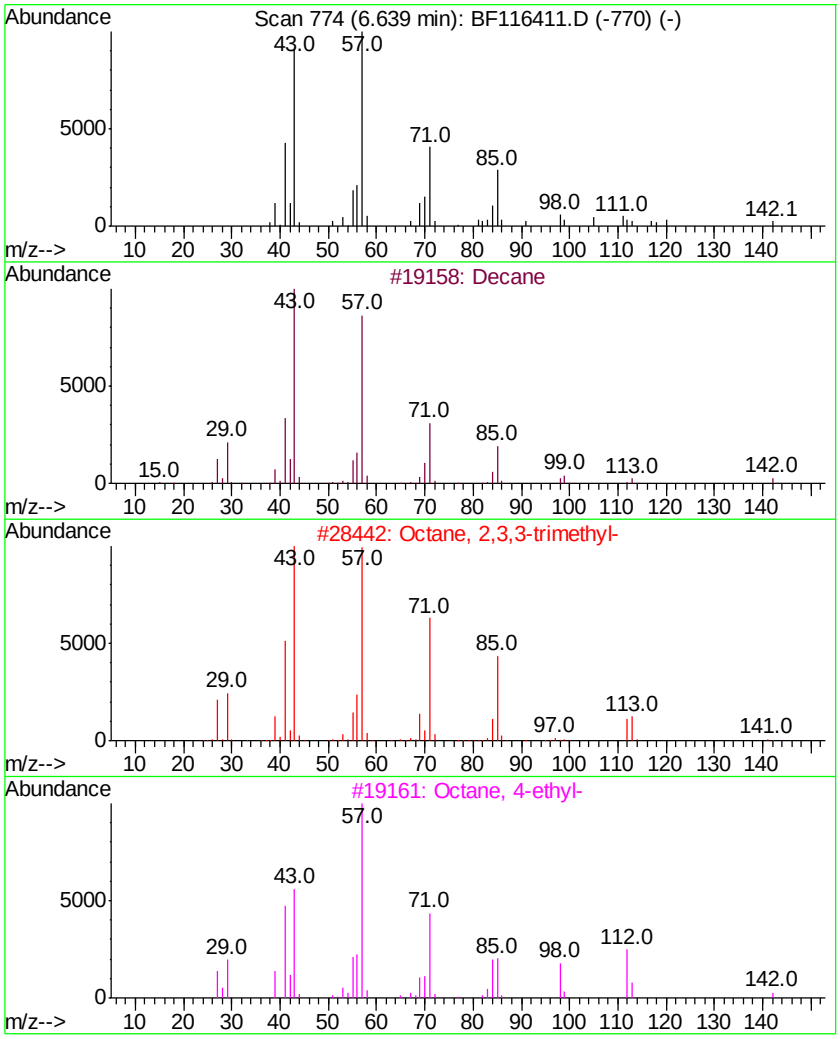
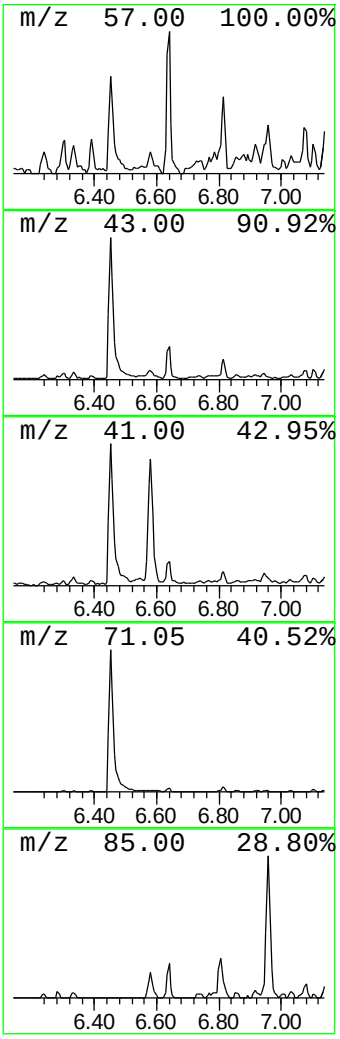
Peak Number 2 Decane Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.64	2.59 ng	81253	1,4-Dichlorobenzene-d4	6.80

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Decane	142	C10H22	000124-18-5	87
2	Octane, 2,3,3-trimethyl-	156	C11H24	062016-30-2	72
3	Octane, 4-ethyl-	142	C10H22	015869-86-0	72
4	Pentadecane	212	C15H32	000629-62-9	64
5	Undecane, 2,7-dimethyl-	184	C13H28	017301-24-5	64





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF081919\
Data File : BF116411.D
Acq On : 20 Aug 2019 1:59
Operator : HP/JU
Sample : K4223-17
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SP-9

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

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

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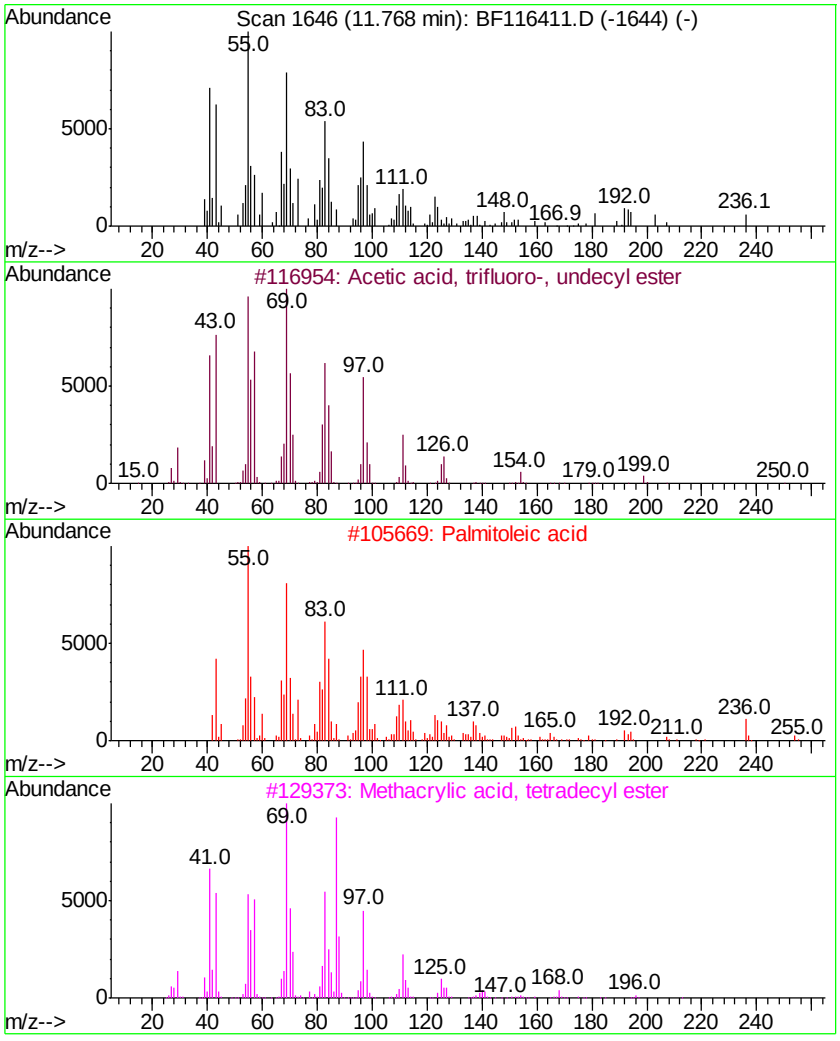
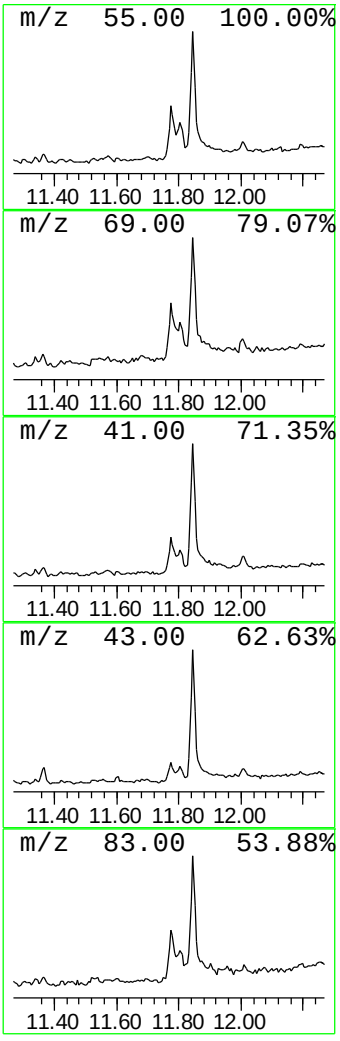
Peak Number 4 Acetic acid, trifluoro-, un... Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.77	2.37 ng	121630	Phenanthrene-d10	11.32

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Acetic acid, trifluoro-, undecyl...	268	C13H23F3O2	053800-01-4	74
2	Palmitoleic acid	254	C16H30O2	000373-49-9	64
3	Methacrylic acid, tetradecyl ester	282	C18H34O2	1000340-29-0	58
4	7-Tetradecene	196	C14H28	010374-74-0	58
5	cis-9-Hexadecenoic acid	254	C16H30O2	1000333-19-5	53





Library Search Compound Report

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Data File : BF116411.D
Acq On : 20 Aug 2019 1:59
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Misc :
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Instrument : BNA_F
ClientSampleId : SP-9

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

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

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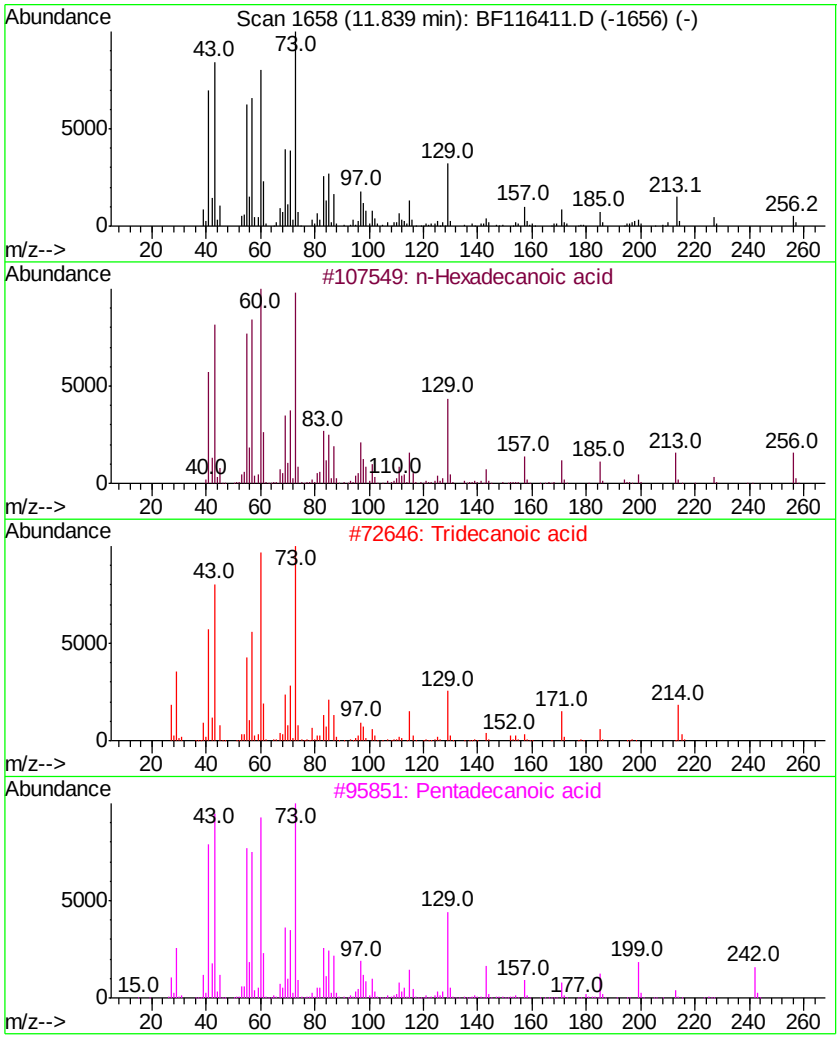
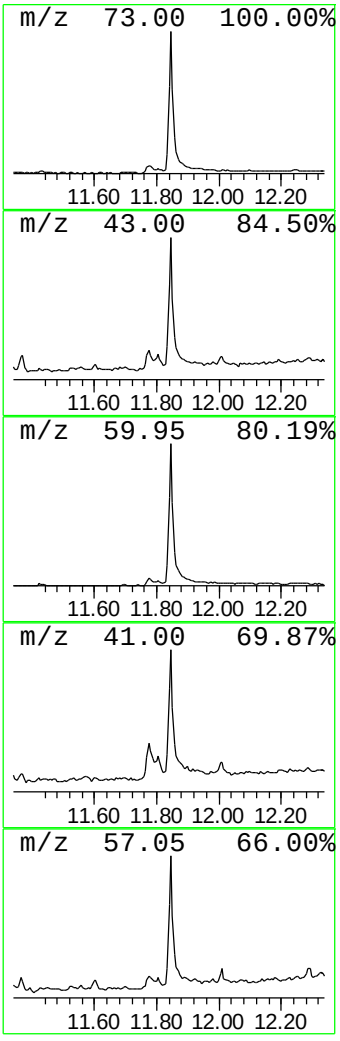
Peak Number 5 n-Hexadecanoic acid Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.84	9.20 ng	473145	Phenanthrene-d10	11.32

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	99
2	Tridecanoic acid	214	C13H26O2	000638-53-9	91
3	Pentadecanoic acid	242	C15H30O2	001002-84-2	90
4	Tetradecanoic acid	228	C14H28O2	000544-63-8	80
5	n-Decanoic acid	172	C10H20O2	000334-48-5	62





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Operator : HP/JU
Sample : K4223-17
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SP-9

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

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

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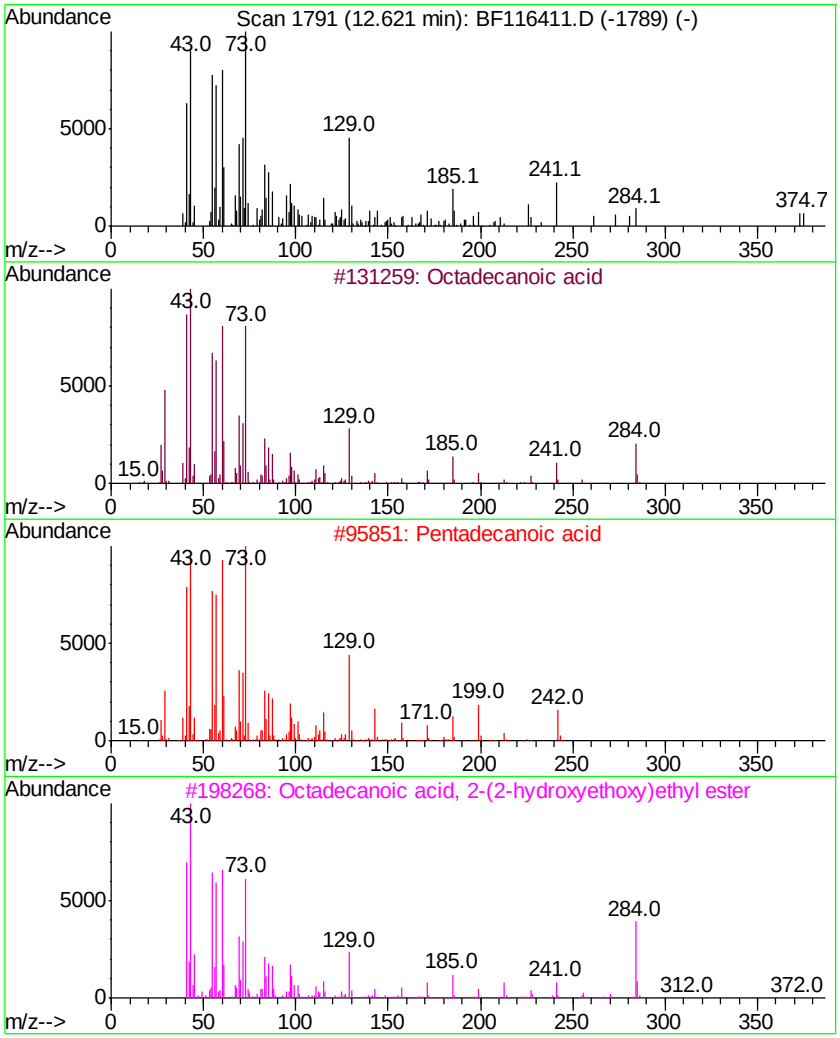
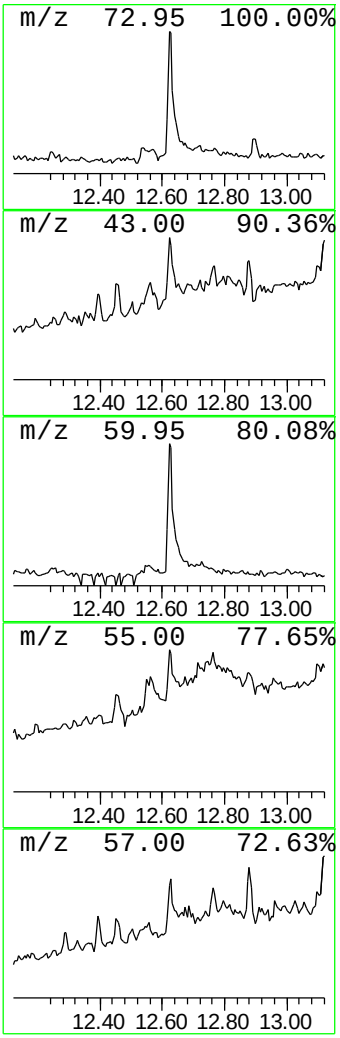
Peak Number 6 Octadecanoic acid Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.62	2.13 ng	109523	Phenanthrene-d10	11.32

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octadecanoic acid	284	C18H36O2	000057-11-4	96
2	Pentadecanoic acid	242	C15H30O2	001002-84-2	64
3	Octadecanoic acid, 2-(2-hydroxye...	372	C22H44O4	000106-11-6	64
4	Tridecanoic acid	214	C13H26O2	000638-53-9	64
5	Undecanoic acid	186	C11H22O2	000112-37-8	55





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Data File : BF116411.D
Acq On : 20 Aug 2019 1:59
Operator : HP/JU
Sample : K4223-17
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SP-9

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

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

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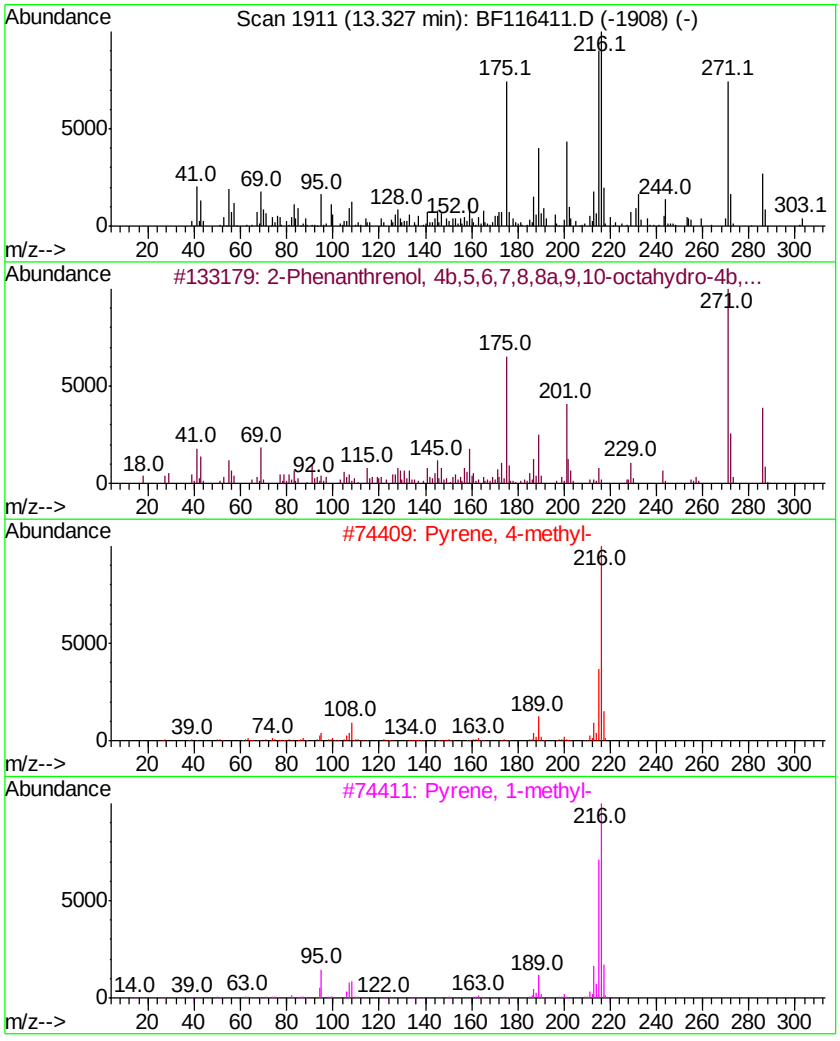
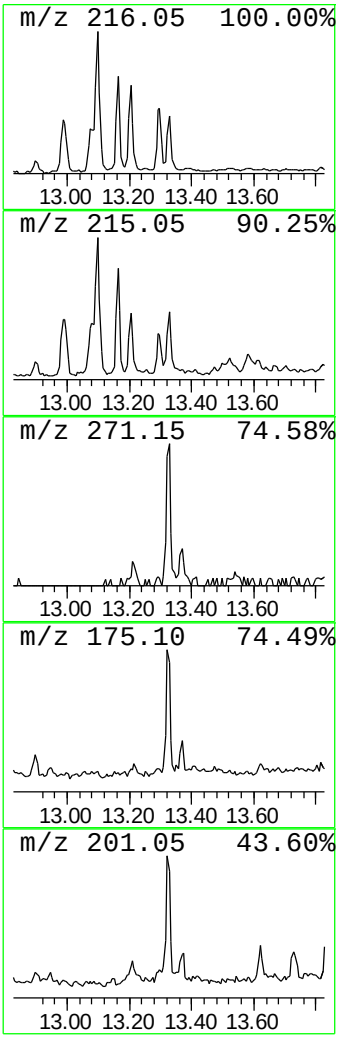
Peak Number 7 2-Phenanthrenol, 4b,5,6,7,8... Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.33	2.52 ng	123209	Chrysene-d12	13.96

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Phenanthrenol, 4b,5,6,7,8,8a,9...	286	C20H30O	000511-15-9	86
2	Pyrene, 4-methyl-	216	C17H12	003353-12-6	55
3	Pyrene, 1-methyl-	216	C17H12	002381-21-7	52
4	6H-Thiazolo[5,4-e]indole, 2,7,8-...	216	C12H12N2S	1000338-32-0	41
5	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	38





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF081919\
Data File : BF116411.D
Acq On : 20 Aug 2019 1:59
Operator : HP/JU
Sample : K4223-17
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SP-9

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

TIC Library : C:\DATABASE\NIST11.L
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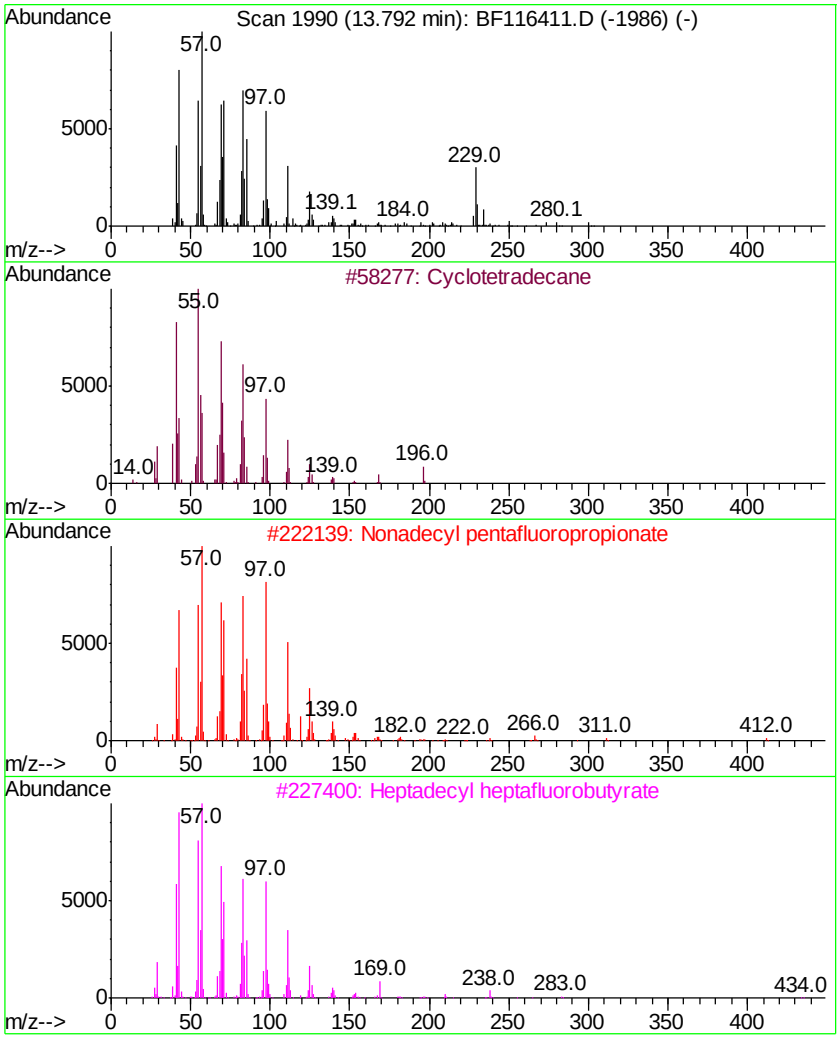
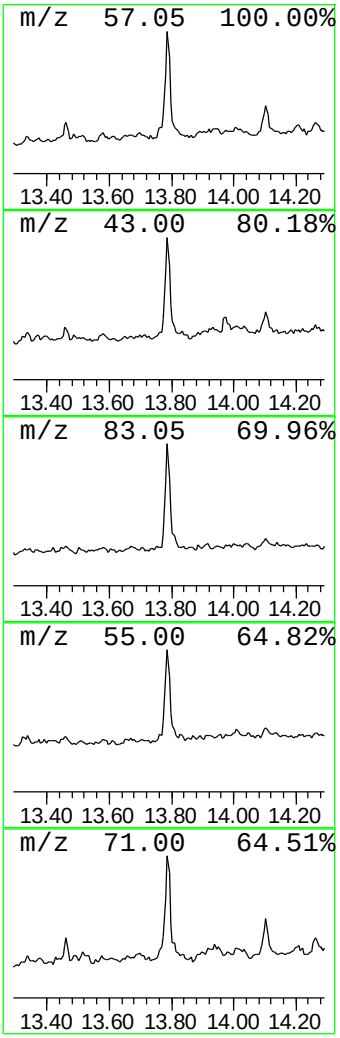
Peak Number 8 Cyclotetradecane Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.79	5.96 ng	290883	Chrysene-d12	13.96

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclotetradecane	196	C14H28	000295-17-0	90
2	Nonadecyl pentafluoropropionate	430	C22H39F5O2	1000351-88-8	90
3	Heptadecyl heptafluorobutyrate	452	C21H35F7O2	959085-66-6	87
4	17-Pentatriacontene	491	C35H70	006971-40-0	87
5	Ethanol, 2-(tetradecyloxy)-	258	C16H34O2	002136-70-1	87





Library Search Compound Report

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Data File : BF116411.D
Acq On : 20 Aug 2019 1:59
Operator : HP/JU
Sample : K4223-17
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SP-9

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

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

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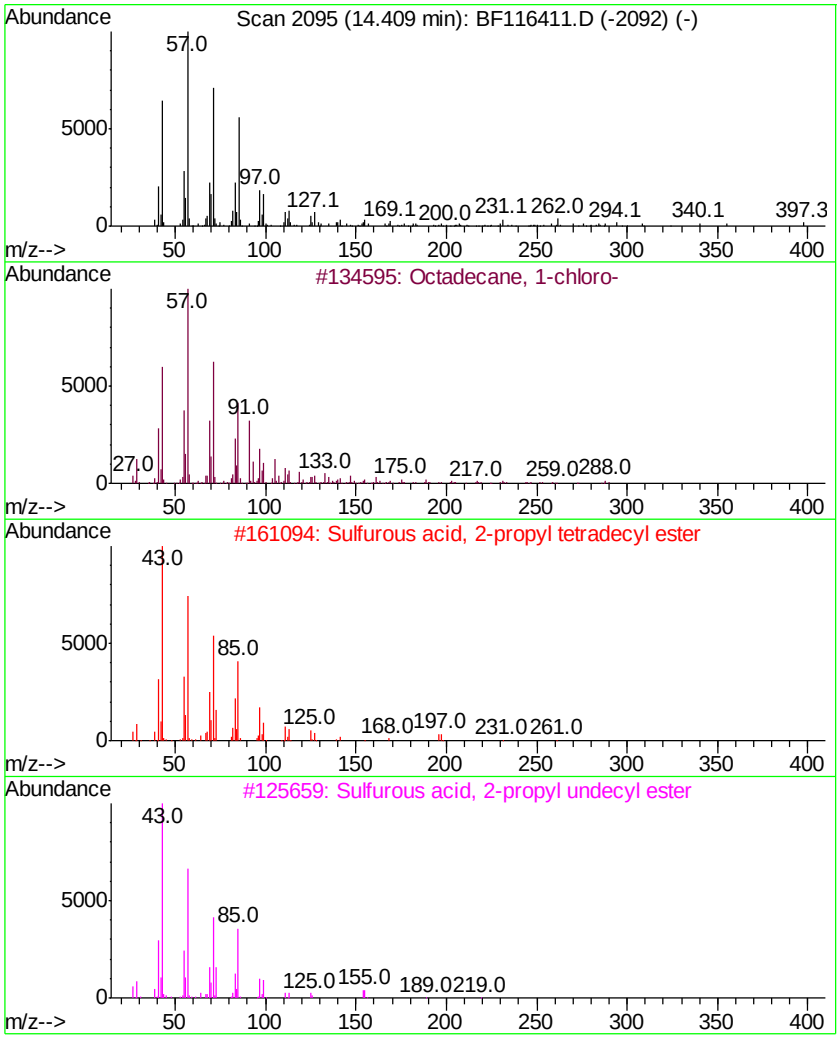
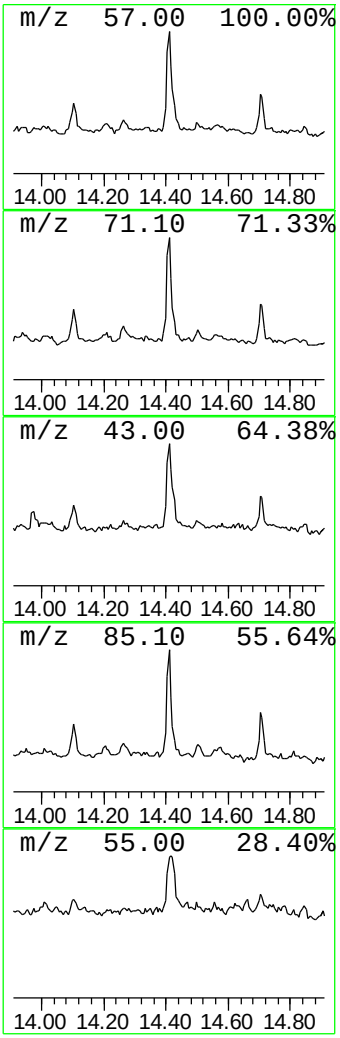
Peak Number 9 Octadecane, 1-chloro- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.41	4.70 ng	229649	Chrysene-d12	13.96

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octadecane, 1-chloro-	288	C18H37Cl	003386-33-2	89
2	Sulfurous acid, 2-propyl tetrade...	320	C17H36O3S	1000309-12-5	87
3	Sulfurous acid, 2-propyl undecyl...	278	C14H30O3S	1000309-12-2	87
4	Sulfurous acid, 2-propyl tridecy...	306	C16H34O3S	1000309-12-4	87
5	Sulfurous acid, dodecyl 2-propyl...	292	C15H32O3S	1000309-12-3	87





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Sample : K4223-17
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SP-9

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF073019.M
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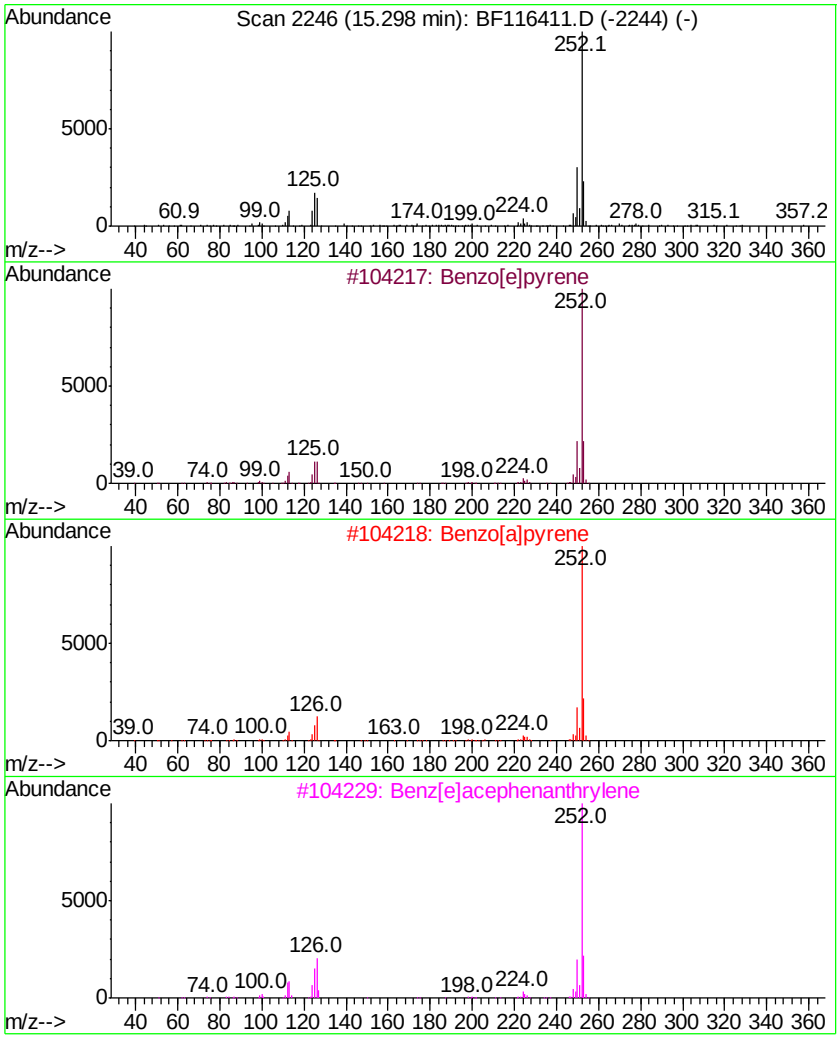
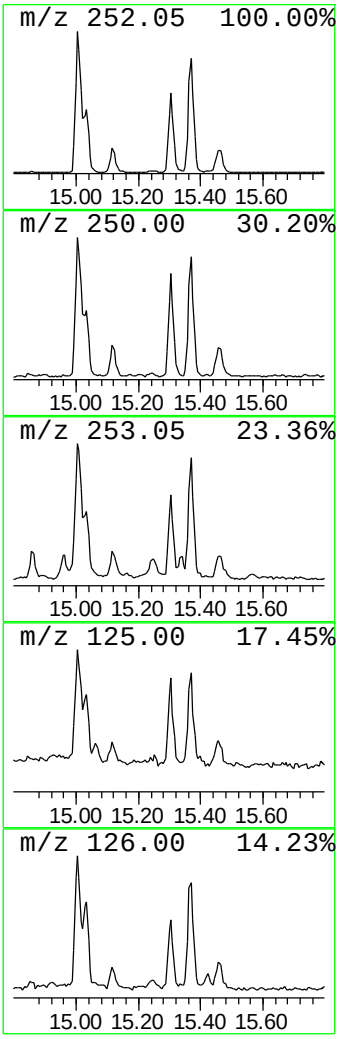
Peak Number 10 Benzo[e]pyrene Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.30	2.85 ng	122149	Perylene-d12	15.42

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	97
2	Benzo[a]pyrene	252	C20H12	000050-32-8	95
3	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	95
4	Benzo[k]fluoranthene	252	C20H12	000207-08-9	90
5	Perylene	252	C20H12	000198-55-0	90





Library Search Compound Report

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Data File : BF116411.D
Acq On : 20 Aug 2019 1:59
Operator : HP/JU
Sample : K4223-17
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SP-9

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF073019.M
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TIC Integration Parameters: LSCINT.P

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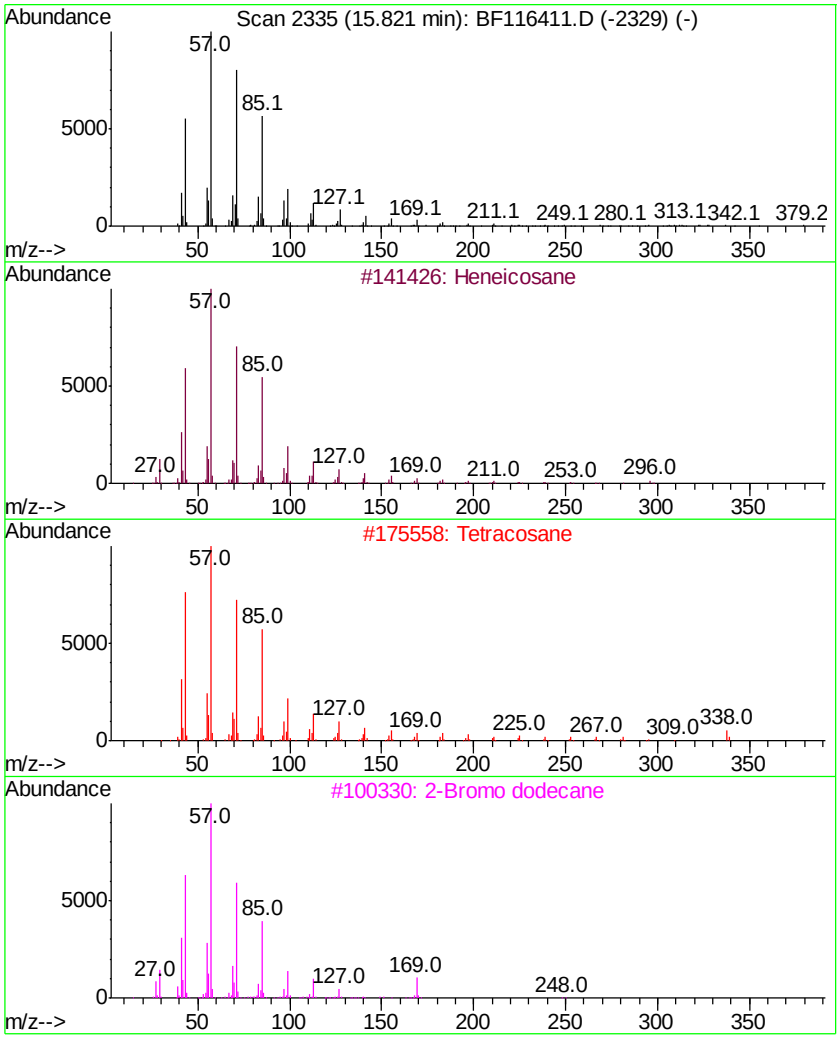
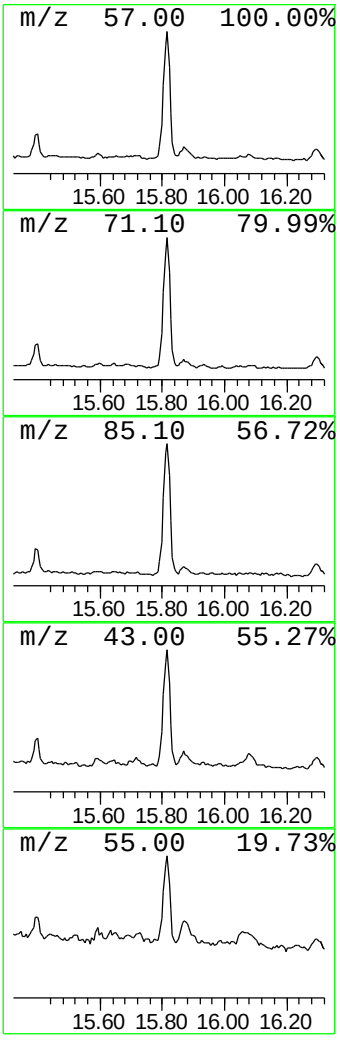
Peak Number 11 Heneicosane Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.82	12.16 ng	520711	Perylene-d12	15.42

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heneicosane	296	C21H44	000629-94-7	91
2	Tetracosane	338	C24H50	000646-31-1	91
3	2-Bromo dodecane	248	C12H25Br	013187-99-0	90
4	Tridecane, 1-iodo-	310	C13H27I	035599-77-0	90
5	2-Bromotetradecane	276	C14H29Br	074036-95-6	90





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Data File : BF116411.D
Acq On : 20 Aug 2019 1:59
Operator : HP/JU
Sample : K4223-17
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SP-9

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

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

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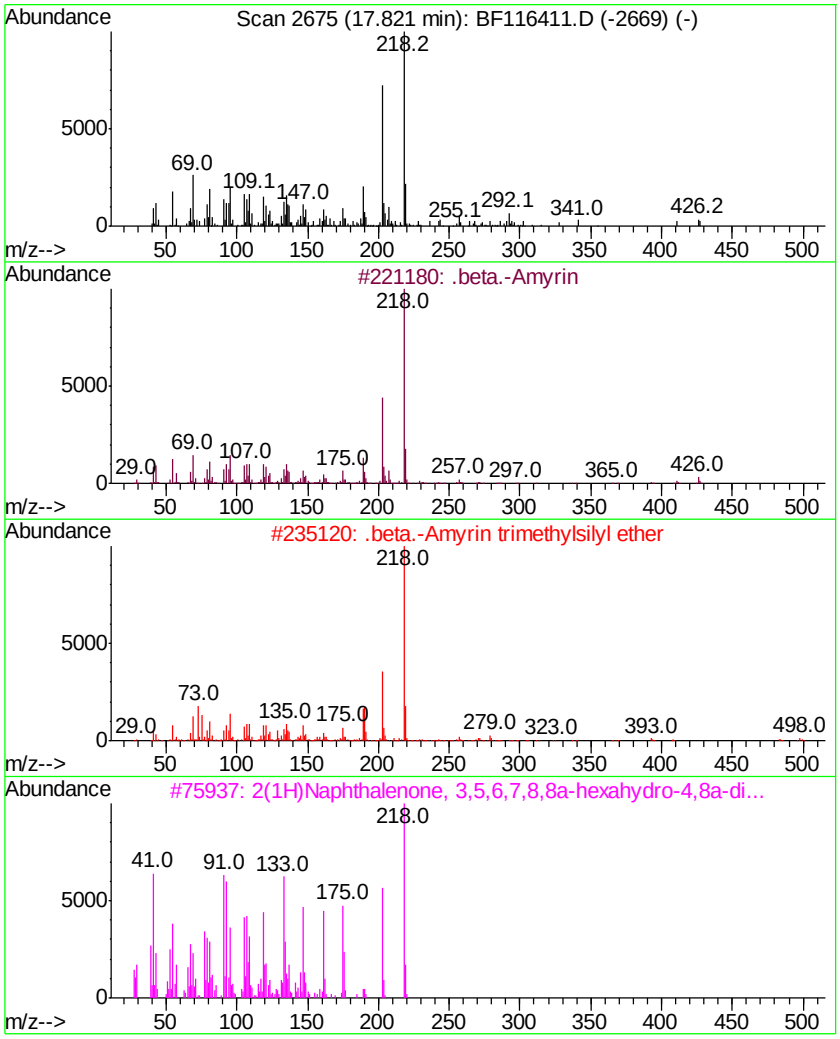
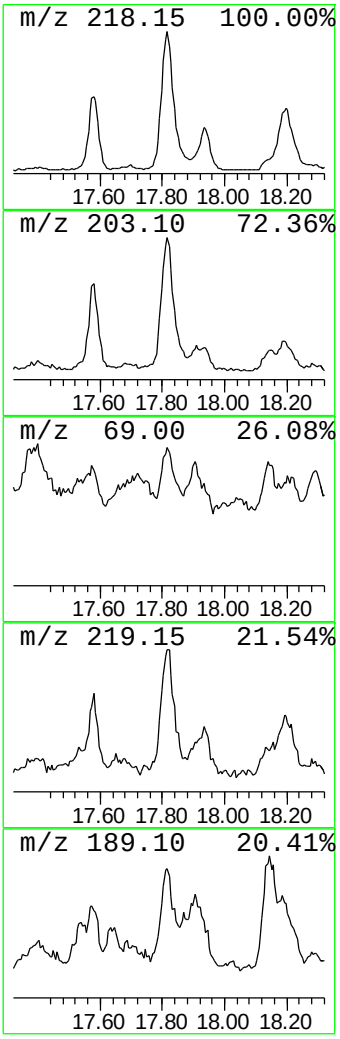
Peak Number 12 .beta.-Amyrin Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.82	6.01 ng	257112	Perylene-d12	15.42

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	.beta.-Amyrin	426	C30H50O	000559-70-6	97
2	.beta.-Amyrin trimethylsilyl ether	498	C33H58OSi	001721-67-1	74
3	2(1H)Naphthalenone, 3,5,6,7,8,8a...	218	C15H22O	1000188-66-5	70
4	6,7,8,9-Tetrahydrodibenzo[b,d]fu...	260	C15H16O4	1000196-34-3	53
5	.alpha.-Amyrin	426	C30H50O	000638-95-9	50





Tentatively Identified Compound (LSC) summary

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Data File : BF116411.D
Acq On : 20 Aug 2019 1:59
Operator : HP/JU
Sample : K4223-17
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SP-9

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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
unknown6.58	6.58	62.5	ng	1959020	1	6.80	626655	20.0
Decane	6.64	2.6	ng	81253	1	6.80	626655	20.0
Acetic acid, trif...	11.77	2.4	ng	121630	4	11.32	1028550	20.0
n-Hexadecanoic acid	11.84	9.2	ng	473145	4	11.32	1028550	20.0
Octadecanoic acid	12.62	2.1	ng	109523	4	11.32	1028550	20.0
2-Phenanthrenol, ...	13.33	2.5	ng	123209	5	13.96	976910	20.0
Cyclotetradecane	13.79	6.0	ng	290883	5	13.96	976910	20.0
Octadecane, 1-chl...	14.41	4.7	ng	229649	5	13.96	976910	20.0
Benzo[e]pyrene	15.30	2.9	ng	122149	6	15.42	856198	20.0
Heneicosane	15.82	12.2	ng	520711	6	15.42	856198	20.0
.beta.-Amyrin	17.82	6.0	ng	257112	6	15.42	856198	20.0