LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF012419\
Data File : BF112214.D
Acq On : 24 Jan 2019 17:42
Operator : JU/SJ
Sample : K1223-02 2X
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TS-N

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-BF011619.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	515	rVB	98440	114274	4.15%	0.290%
2	5.487	574	578	593	rBV	2426131	2302509	83.66%	5.853%
3	6.498	746	750	758	rBV	2579099	2403013	87.31%	6.108%
4	6.628	769	772	780	rVB	2960313	2599583	94.45%	6.608%
5	6.851	807	810	819	rBV	1624077	1474256	53.56%	3.747%
6	7.010	833	837	847	rBV	2425778	2012607	73.12%	5.116%
7	7.410	901	905	917	rBV	1562489	1551313	56.36%	3.943%
8	8.139	1020	1029	1032	rBV	1762488	1667778	60.59%	4.239%
9	9.210	1207	1211	1220	rBV	3280881	2752372	100.00%	6.996%
10	9.292	1221	1225	1228	rVV2	50323	54109	1.97%	0.138%
11	9.363	1233	1237	1242	rVB6	44789	69653	2.53%	0.177%
12	9.469	1253	1255	1262	rBV6	22606	37552	1.36%	0.095%
13	9.527	1262	1265	1266	rBV2	65590	56765	2.06%	0.144%
14	9.551	1266	1269	1272	rVV	445767	377539	13.72%	0.960%
15	9.598	1274	1277	1282	rVV	256215	284178	10.32%	0.722%
16	9.645	1282	1285	1291	rVB2	115488	134324	4.88%	0.341%
17	9.804	1310	1312	1314	rBV2	55747	42053	1.53%	0.107%
18	9.892	1323	1327	1330	rBV	2264847	1966010	71.43%	4.997%
19	9.922	1330	1332	1335	rVB2	139214	126127	4.58%	0.321%
20	9.963	1336	1339	1342	rVB2	46398	59809	2.17%	0.152%
21	10.010	1342	1347	1352	rBV3	251369	344434	12.51%	0.876%
22	10.092	1358	1361	1365	rBV2	72082	78275	2.84%	0.199%
23	10.186	1374	1377	1379	rBV	78651	62627	2.28%	0.159%
24	10.304	1393	1397	1398	rBV4	33101	38136	1.39%	0.097%
25	10.439	1417	1420	1424	rBV	81761	74075	2.69%	0.188%
26	10.533	1433	1436	1439	rBV3	110368	97982	3.56%	0.249%
27	10.563	1439	1441	1444	rVB	127849	100980	3.67%	0.257%
28	10.616	1448	1450	1453	rVB2	50282	40218	1.46%	0.102%
29	10.657	1453	1457	1458	rBV4	55383	69315	2.52%	0.176%
30	10.680	1458	1461	1465	rVV	1553953	1464892	53.22%	3.724%
31	10.716	1465	1467	1471	rVB2	50282	49343	1.79%	0.125%
32	10.798	1477	1481	1486	rBV3	113191	154734	5.62%	0.393%
33	11.098	1529	1532	1533	rBV3	38188	33439	1.21%	0.085%
34	11.239	1553	1556	1559	rBV3	46815	56173	2.04%	0.143%

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Misc :
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Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
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Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	11.274	1559	1562	1568	rVB2	73344	90543	3.29%	0.230%
36	11.380	1576	1580	1582	rBV	1948925	1649885	59.94%	4.194%
37	11.404	1582	1584	1586	rVV	867212	663220	24.10%	1.686%
38	11.427	1586	1588	1590	rVV	159241	135349	4.92%	0.344%
39	11.457	1590	1593	1596	rVV	177757	155061	5.63%	0.394%
40	11.486	1596	1598	1600	rVV2	54084	52931	1.92%	0.135%
41	11.510	1600	1602	1605	rVB	103948	99417	3.61%	0.253%
42	11.592	1613	1616	1617	rBV3	50887	54829	1.99%	0.139%
43	11.610	1617	1619	1623	rVV	87258	91992	3.34%	0.234%
44	11.669	1626	1629	1632	rBV2	43493	46502	1.69%	0.118%
45	11.721	1635	1638	1641	rBV	132257	123714	4.49%	0.314%
46	11.863	1659	1662	1667	rBV2	228730	342488	12.44%	0.871%
47	11.904	1667	1669	1671	rVV2	548416	532241	19.34%	1.353%
48	11.927	1671	1673	1677	rVV	506763	464208	16.87%	1.180%
49	11.992	1681	1684	1687	rBV2	164378	193553	7.03%	0.492%
50	12.057	1692	1695	1696	rBV2	58229	65029	2.36%	0.165%
51	12.074	1696	1698	1704	rVB4	161449	158654	5.76%	0.403%
52	12.174	1713	1715	1717	rVB	69949	52951	1.92%	0.135%
53	12.204	1717	1720	1725	rVB2	131681	123722	4.50%	0.314%
54	12.263	1728	1730	1733	rVB3	97403	76697	2.79%	0.195%
55	12.304	1734	1737	1739	rBV4	75081	95025	3.45%	0.242%
56	12.357	1743	1746	1748	rBV2	93047	85106	3.09%	0.216%
57	12.427	1754	1758	1759	rBV4	92396	125900	4.57%	0.320%
58	12.451	1759	1762	1764	rVV2	215615	271685	9.87%	0.691%
59	12.468	1764	1765	1770	rVB2	252306	202621	7.36%	0.515%
60	12.516	1770	1773	1777	rBV2	707367	655204	23.81%	1.665%
61	12.598	1783	1787	1793	rBV	1431976	1629350	59.20%	4.142%
62	12.686	1800	1802	1806	rBV3	117759	121198	4.40%	0.308%
63	12.827	1820	1826	1832	rVB	1105972	1265113	45.96%	3.216%
64	12.874	1832	1834	1839	rVB2	98051	102578	3.73%	0.261%
65	12.963	1845	1849	1852	rBV	2075218	1762460	64.03%	4.480%
66	13.151	1879	1881	1885	rVB	181021	204830	7.44%	0.521%
67	13.392	1920	1922	1926	rVB3	228050	227066	8.25%	0.577%
68	13.857	1998	2001	2007	rVB2	402644	521364	18.94%	1.325%
69	14.027	2025	2030	2032	rBV2	1513256	1862642	67.67%	4.735%
70	14.051	2032	2034	2037	rVB	546200	417658	15.17%	1.062%
71	15.074	2205	2208	2211	rBV	284651	381837	13.87%	0.971%

LSC Area Percent Report

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ClientSampleId :
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Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
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72	15.127	2214	2217	2220	rBV	299262	318555	11.57%	0.810%
73	15.504	2278	2281	2293	rVB	839283	1167052	42.40%	2.967%

Sum of corrected areas: 39340677

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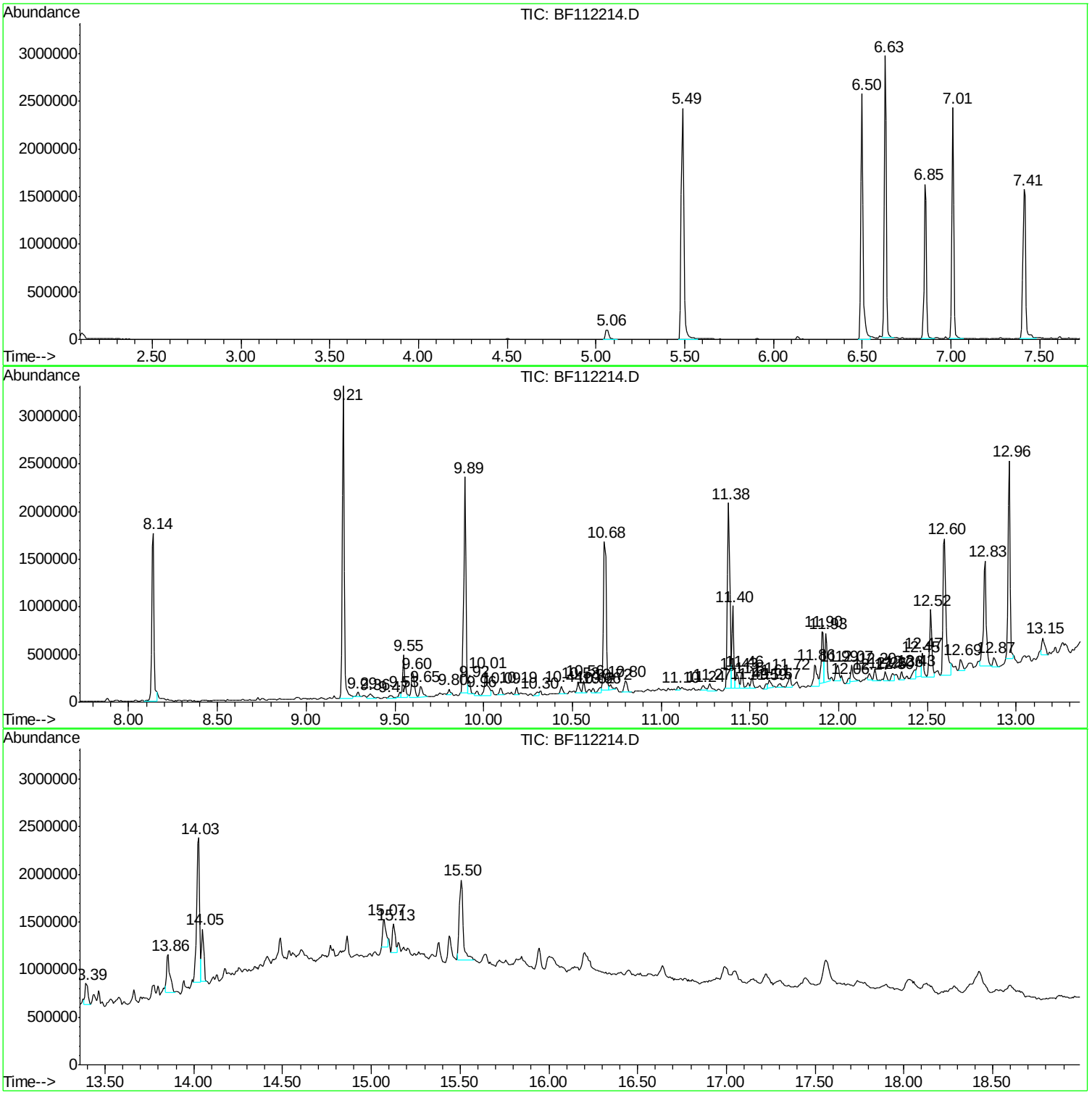
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF011619.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



Library Search Compound Report

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TIC Library : C:\DATABASE\NIST11.L
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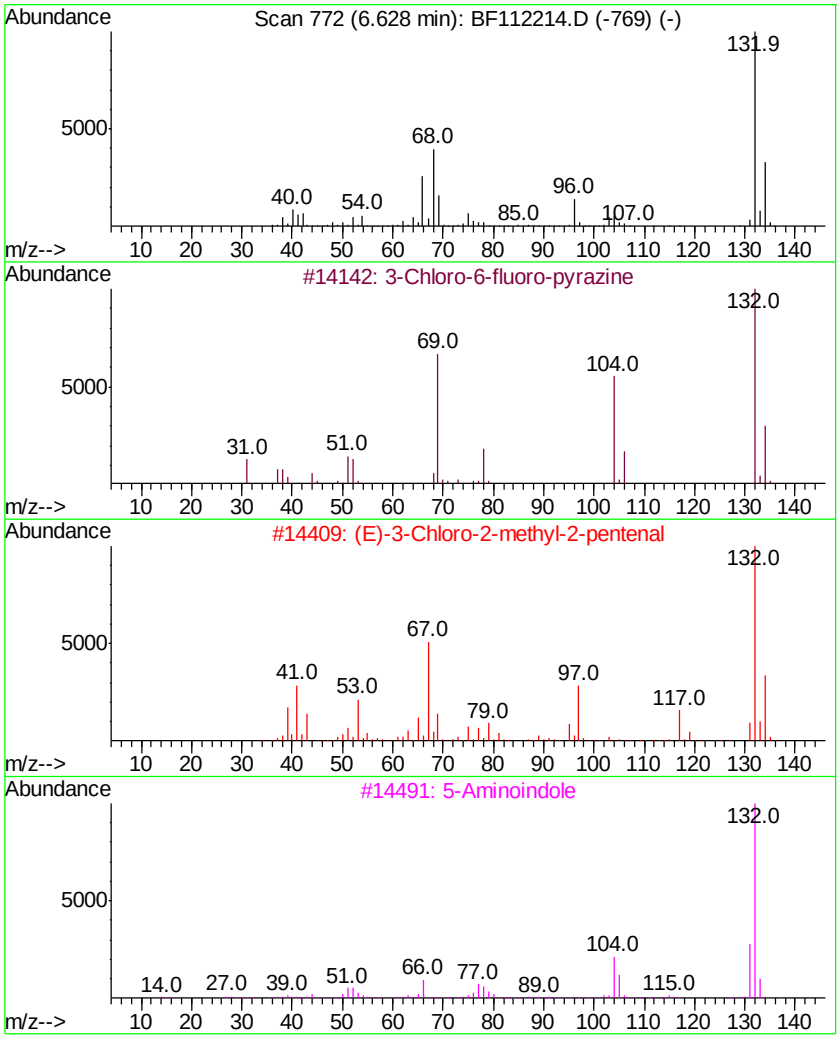
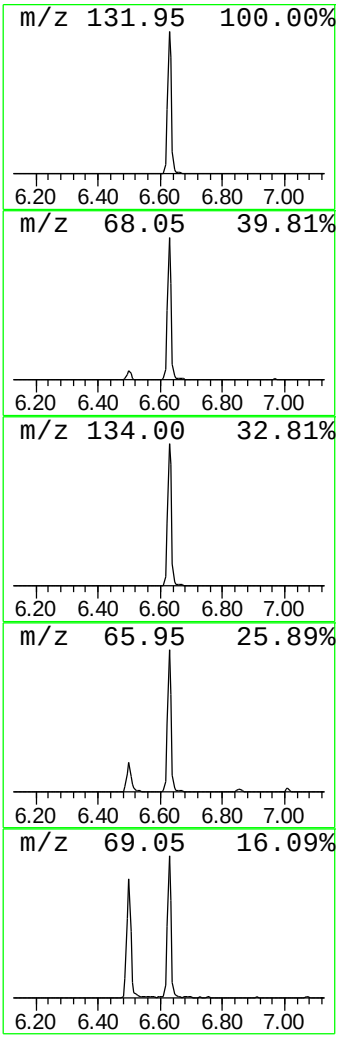
****

Peak Number 1 unknown6.63 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.63	35.27 ng	2599580	1,4-Dichlorobenzene-d4	6.85

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	27
2	(E)-3-Chloro-2-methyl-2-pentenal	132	C6H9ClO	031357-76-3	17
3	5-Aminoindole	132	C8H8N2	005192-03-0	12
4	Tranylcypromine-propionyl	189	C12H15NO	1000123-86-3	10
5	Bicyclo[4.2.0]octa-1,3,5-triene,...	132	C10H12	028749-81-7	9





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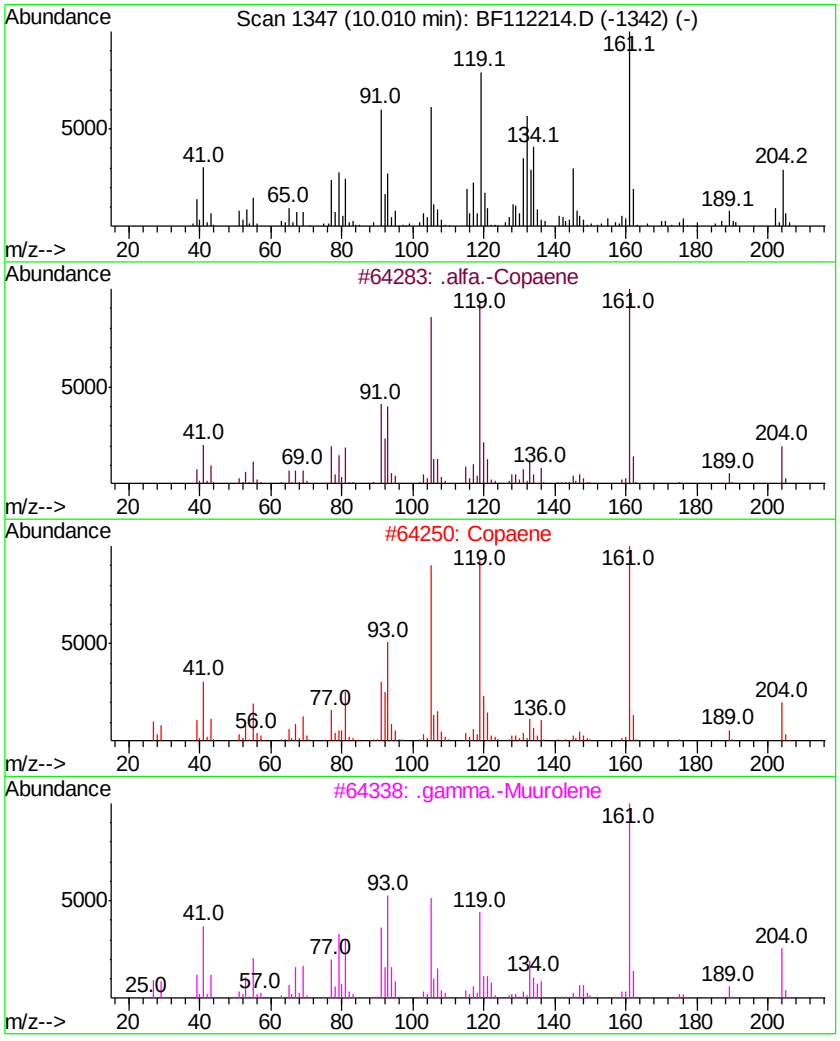
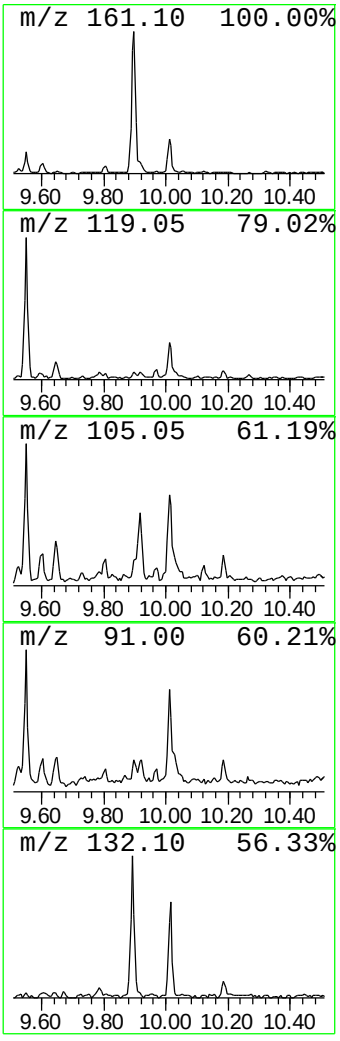
Peak Number 3 .alfa.-Copaene Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.01	3.50 ng	344434	Acenaphthene-d10	9.89

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	.alfa.-Copaene	204	C15H24	1000360-33-0	90
2	Copaene	204	C15H24	003856-25-5	70
3	.gamma.-Muurolene	204	C15H24	030021-74-0	64
4	cis-muurola-3,5-diene	204	C15H24	1000365-95-4	60
5	.alpha.-Cubebene	204	C15H24	017699-14-8	55





Library Search Compound Report

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Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TS-N

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF011619.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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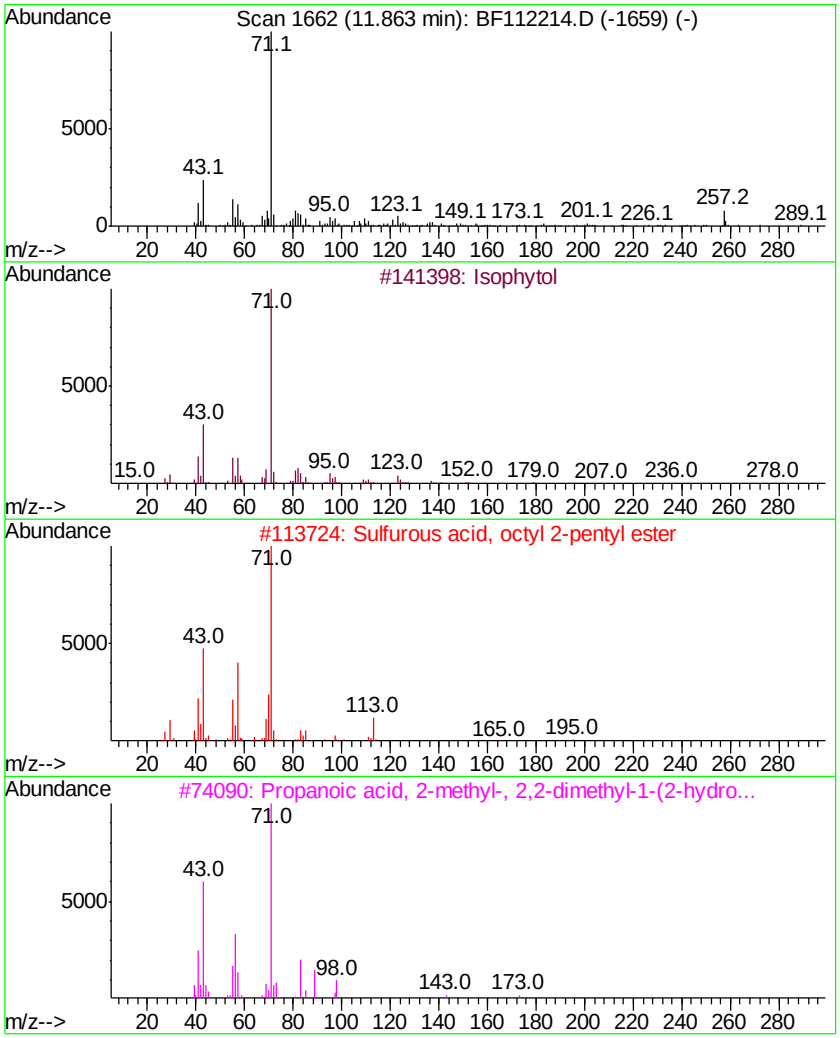
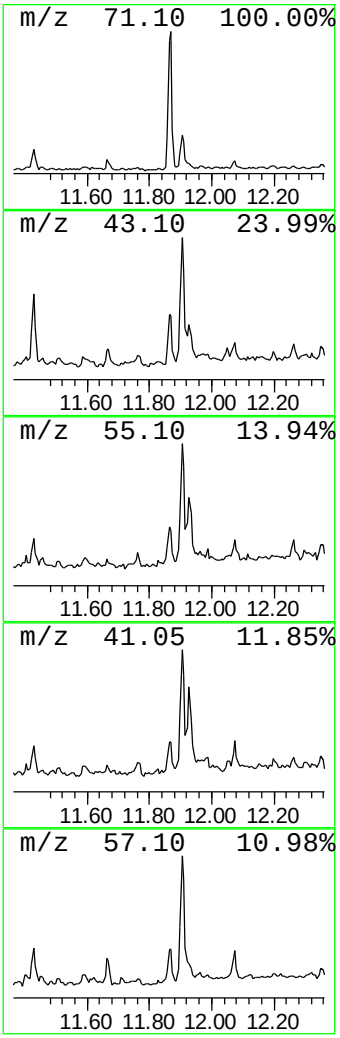
Peak Number 4 Isophytol Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.86	4.15 ng	342488	Phenanthrene-d10	11.38

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Isophytol	296	C20H40O	000505-32-8	87
2	Sulfurous acid, octyl 2-pentyl e...	264	C13H28O3S	1000309-15-7	59
3	Propanoic acid, 2-methyl-, 2,2-d...	216	C12H24O3	074367-33-2	59
4	Fumaric acid, undecyl tetrahydro...	354	C20H34O5	1000330-58-5	53
5	6-Methyl-hept-2-en-4-ol	128	C8H16O	083212-30-0	53





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TIC Library : C:\DATABASE\NIST11.L
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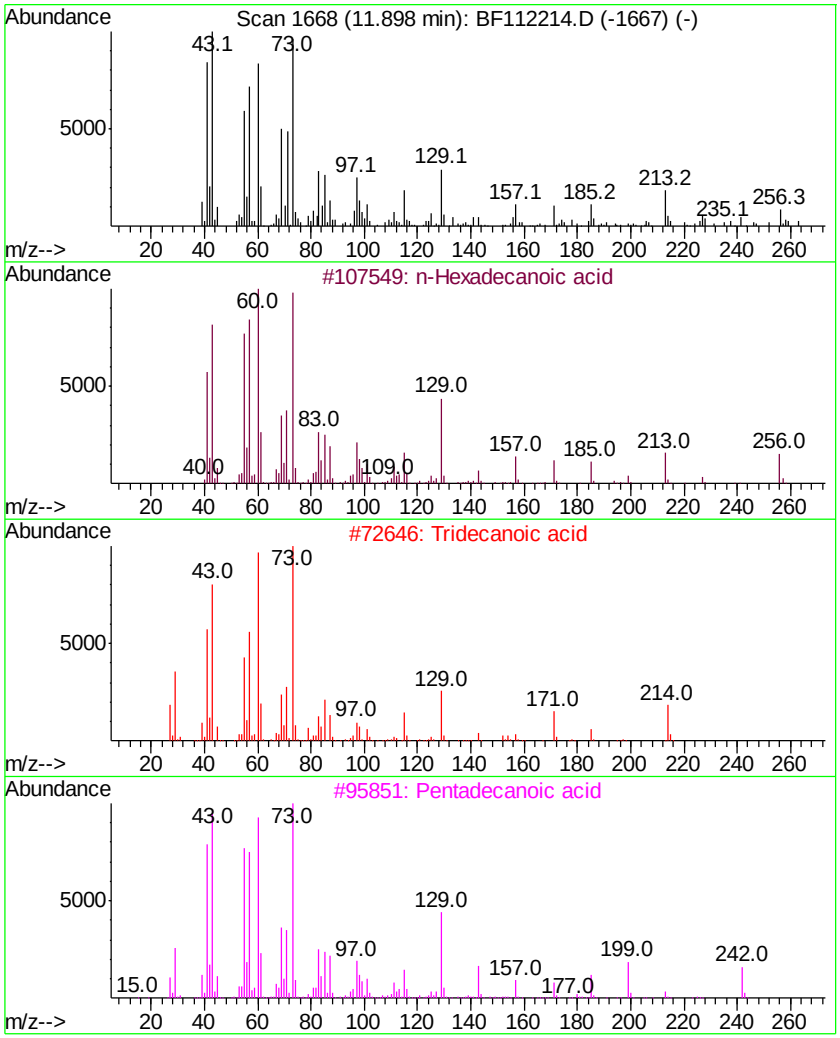
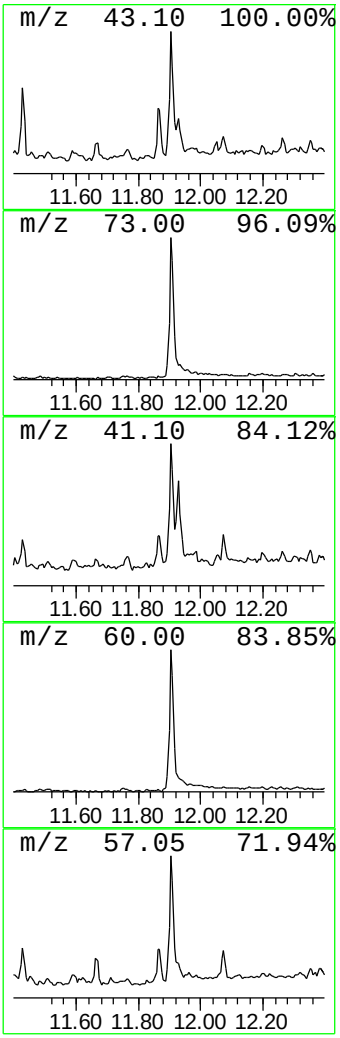
Peak Number 5 n-Hexadecanoic acid Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.90	6.45 ng	532241	Phenanthrene-d10	11.38

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	83
3	Pentadecanoic acid	242	C15H30O2	001002-84-2	70
4	Tetradecanoic acid	228	C14H28O2	000544-63-8	64
5	Estra-1,3,5(10)-trien-17.beta.-ol	256	C18H24O	002529-64-8	30





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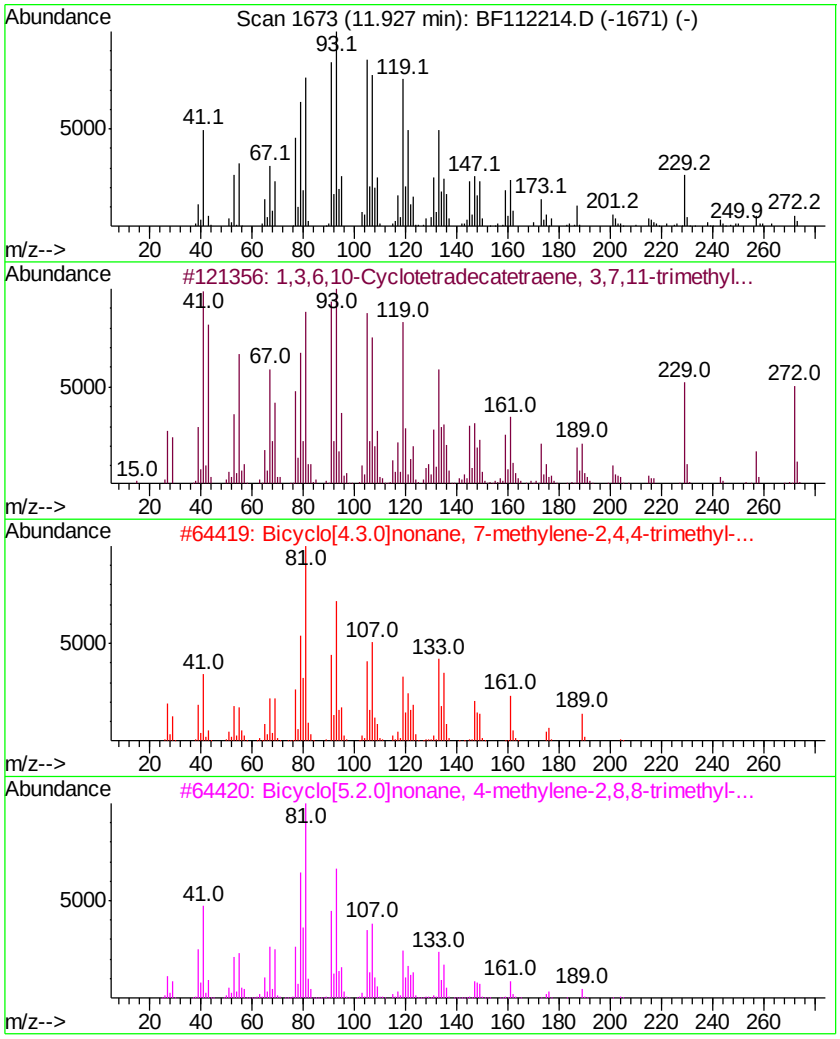
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

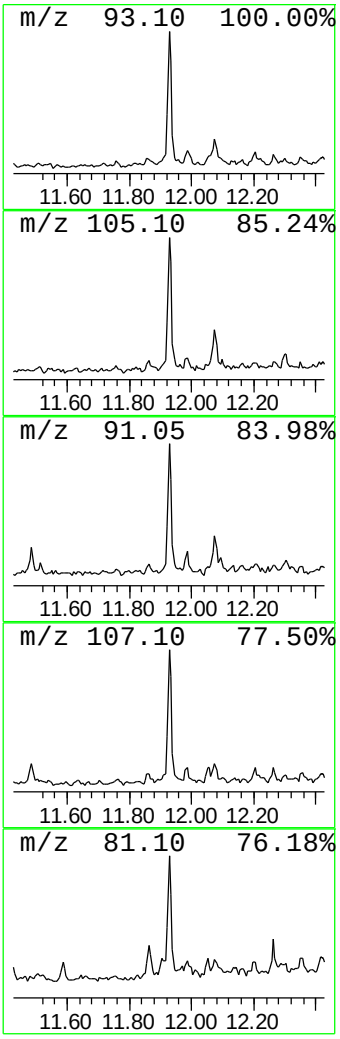
****

Peak Number 6 1,3,6,10-Cyclotetradecatetr... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.93	5.63 ng	464208	Phenanthrene-d10	11.38

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,3,6,10-Cyclotetradecatetraene,...	272	C20H32	001898-13-1	98
2	Bicyclo[4.3.0]nonane, 7-methylen...	204	C15H24	1000156-11-9	49
3	Bicyclo[5.2.0]nonane, 4-methylen...	204	C15H24	1000159-38-2	46
4	Guaia-1(10),11-diene	204	C15H24	1000374-19-7	43
5	Cyclohexene, 1-methyl-4-(1,5,9-t...	272	C20H32	056248-11-4	35





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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

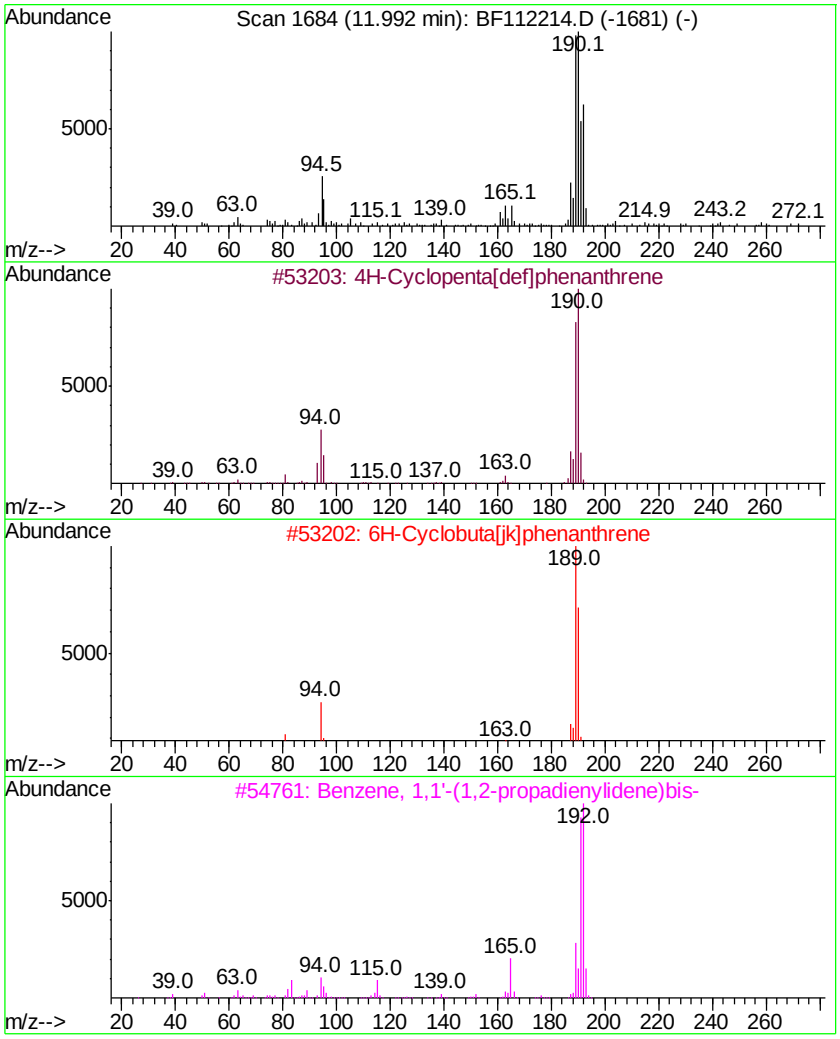
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

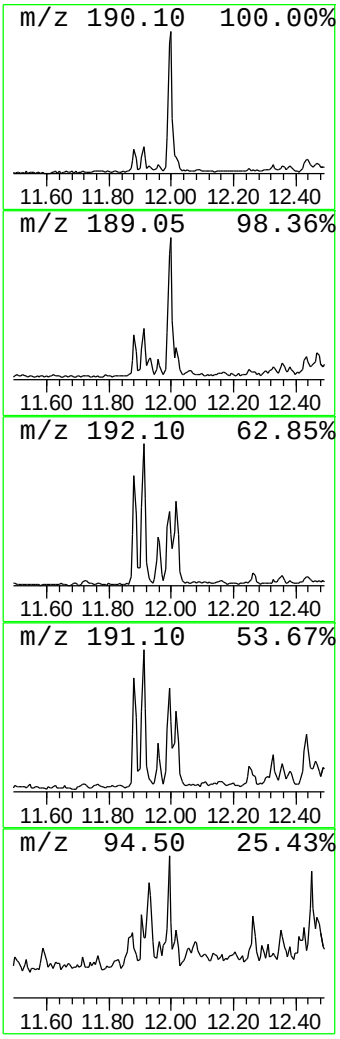
****

Peak Number 7 4H-Cyclopenta[def]phenanthrene Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.99	2.35 ng	193553	Phenanthrene-d10	11.38

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	70
2	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	62
3	Benzene, 1,1'-(1,2-propadienylid...	192	C15H12	014251-57-1	25
4	Benzene, 1,1'-(2-cyclopropen-1-y...	192	C15H12	022825-21-4	22
5	Naphtho[1,2-b]norbornadiene	192	C15H12	1000210-14-8	20





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Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TS-N

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF011619.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

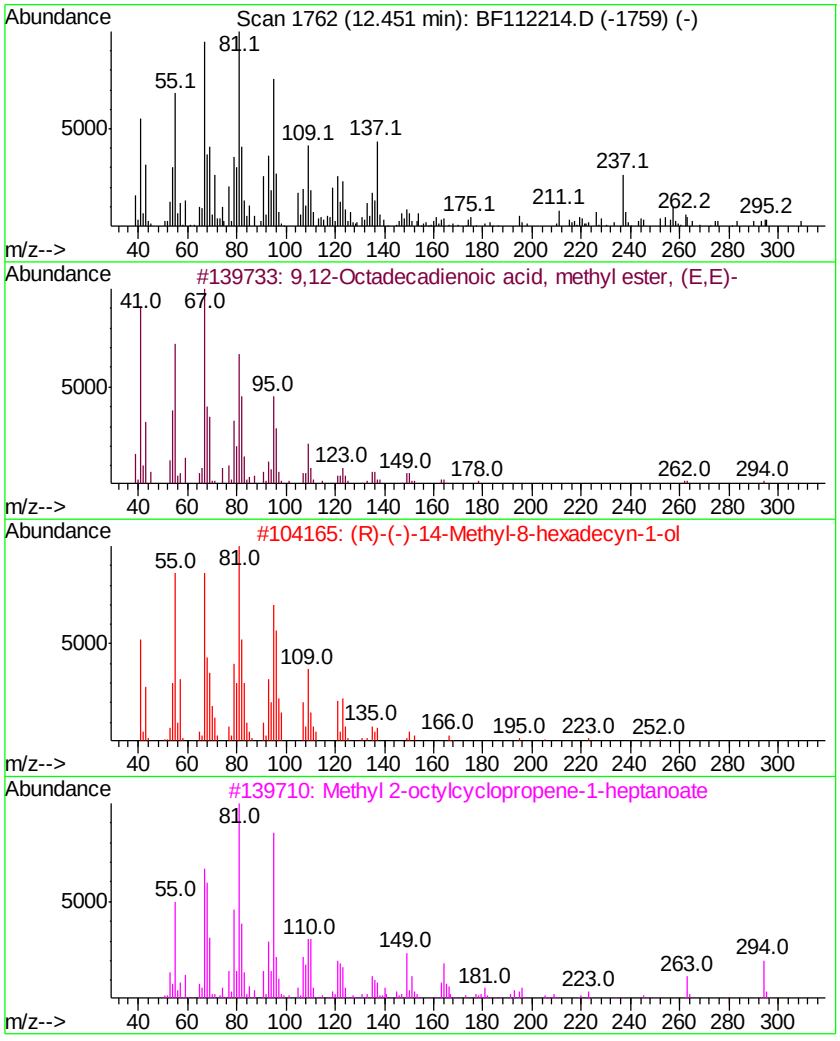
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

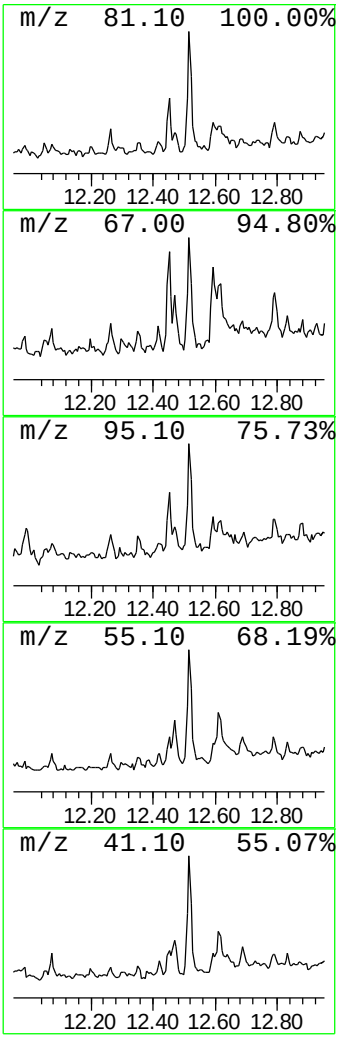
****

Peak Number 8 9,12-Octadecadienoic acid, ... Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.45	3.29 ng	271685	Phenanthrene-d10	11.38

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,12-Octadecadienoic acid, methy...	294	C19H34O2	002566-97-4	80
2	(R)-(-)-14-Methyl-8-hexadecyn-1-ol	252	C17H32O	064566-18-3	76
3	Methyl 2-octylcyclopropene-1-hep...	294	C19H34O2	005026-66-4	76
4	6-Dodecyne	166	C12H22	006975-99-1	68
5	9,15-Octadecadienoic acid, methy...	294	C19H34O2	017309-05-6	64





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Data File : BF112214.D
Acq On : 24 Jan 2019 17:42
Operator : JU/SJ
Sample : K1223-02 2X
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TS-N

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF011619.M
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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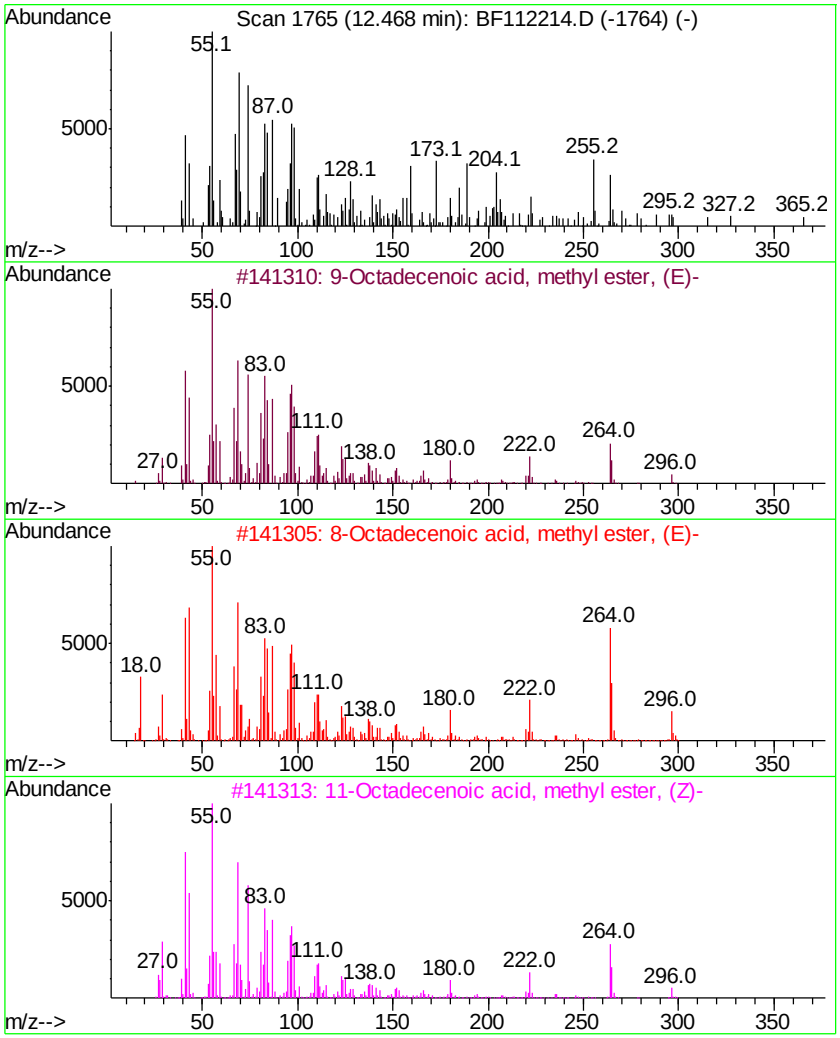
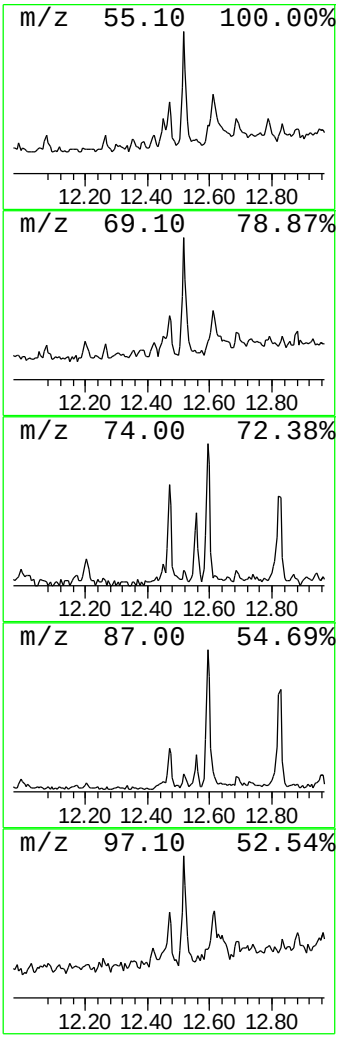
Peak Number 9 9-Octadecenoic acid, methyl... Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.47	2.46 ng	202621	Phenanthrene-d10	11.38

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9-Octadecenoic acid, methyl este...	296	C19H36O2	001937-62-8	91
2	8-Octadecenoic acid, methyl este...	296	C19H36O2	026528-50-7	90
3	11-Octadecenoic acid, methyl est...	296	C19H36O2	001937-63-9	89
4	13-Octadecenoic acid, methyl ester	296	C19H36O2	056554-47-3	87
5	11-Octadecenoic acid, methyl ester	296	C19H36O2	052380-33-3	83





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Acq On : 24 Jan 2019 17:42
Operator : JU/SJ
Sample : K1223-02 2X
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TS-N

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF011619.M
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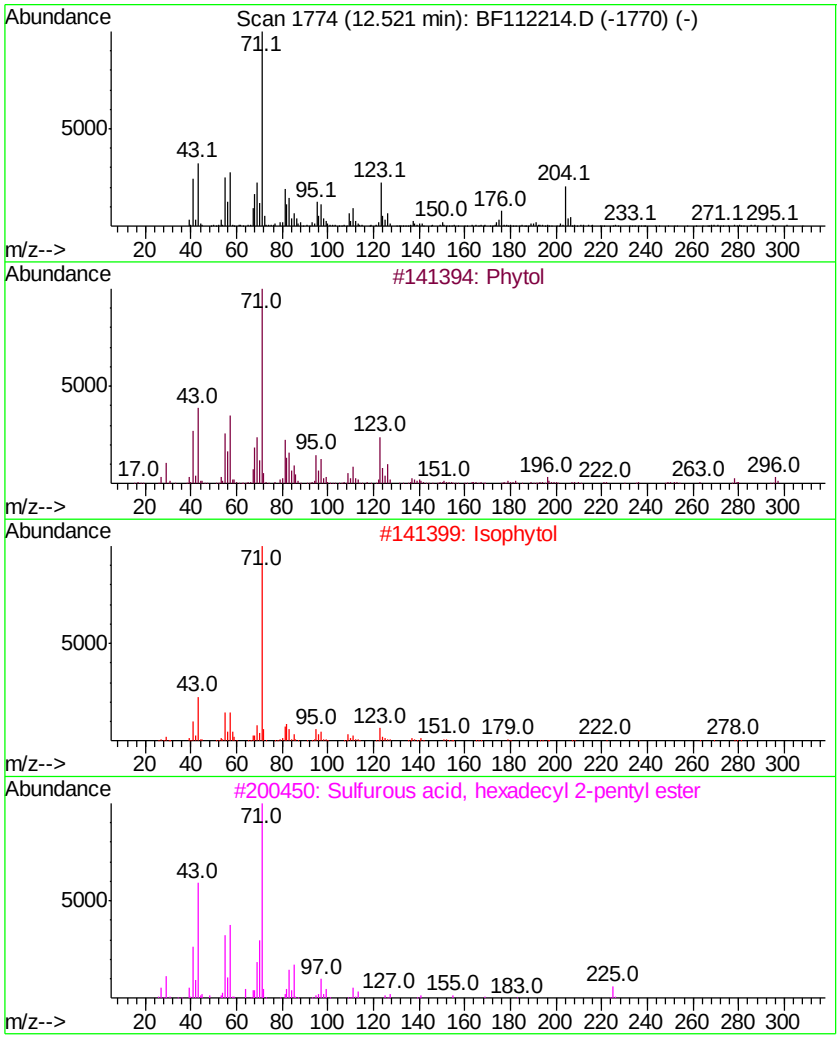
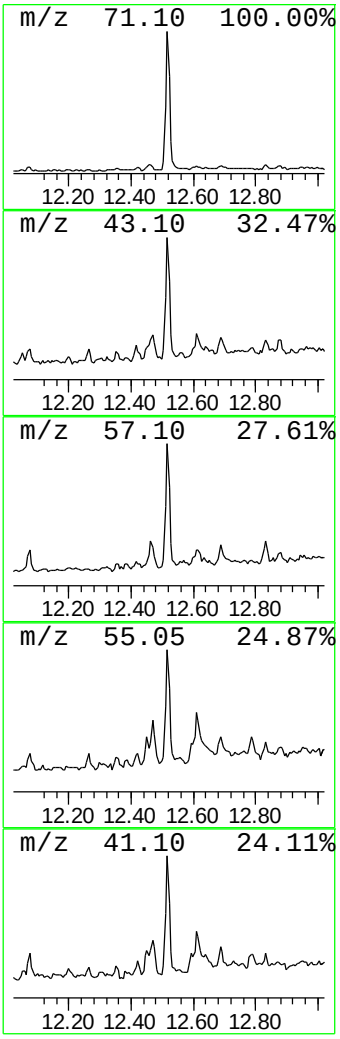
Peak Number 10 Phytol Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.52	7.94 ng	655204	Phenanthrene-d10	11.38

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phytol	296	C20H40O	000150-86-7	90
2	Isophytol	296	C20H40O	000505-32-8	53
3	Sulfurous acid, hexadecyl 2-pent...	376	C21H44O3S	1000309-16-5	50
4	Butyric acid, 2-pentadecyl ester	298	C19H38O2	107853-73-6	50
5	Sulfurous acid, pentyl undecyl e...	306	C16H34O3S	1000309-14-4	50





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF012419\
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Operator : JU/SJ
Sample : K1223-02 2X
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TS-N

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF011619.M
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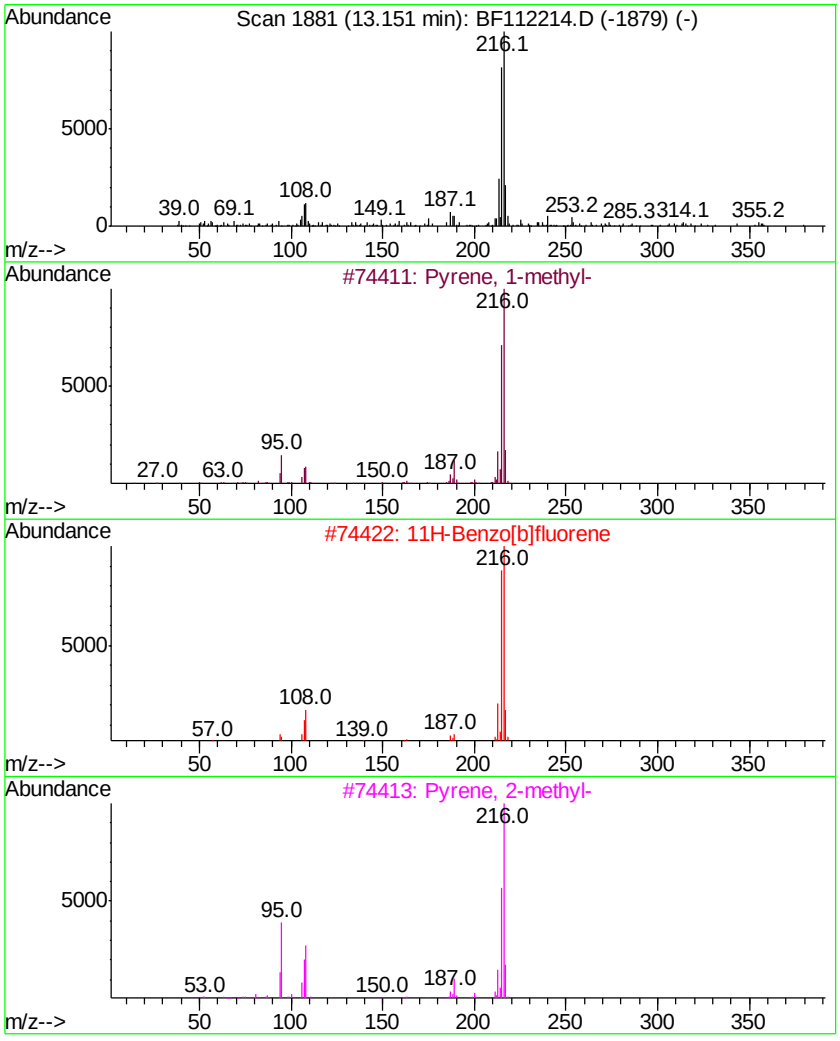
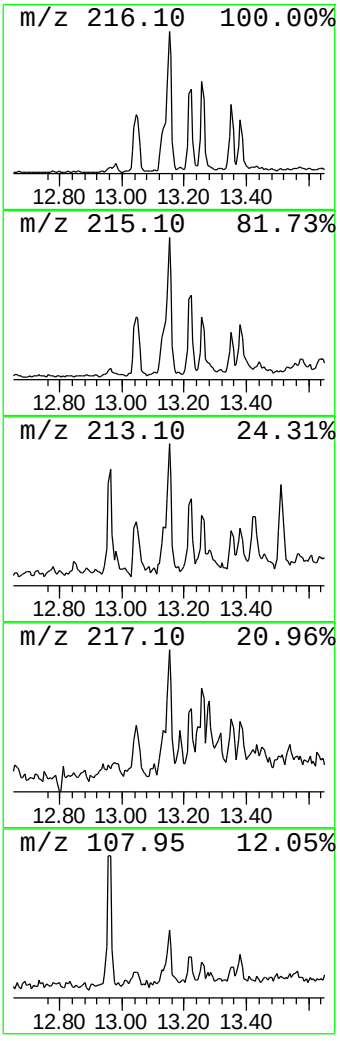
Peak Number 11 Pyrene, 1-methyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.15	2.20 ng	204830	Chrysene-d12	14.03

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	91
2	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	90
3	Pyrene, 2-methyl-	216	C17H12	003442-78-2	87
4	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	83
5	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	81





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Operator : JU/SJ
Sample : K1223-02 2X
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TS-N

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF011619.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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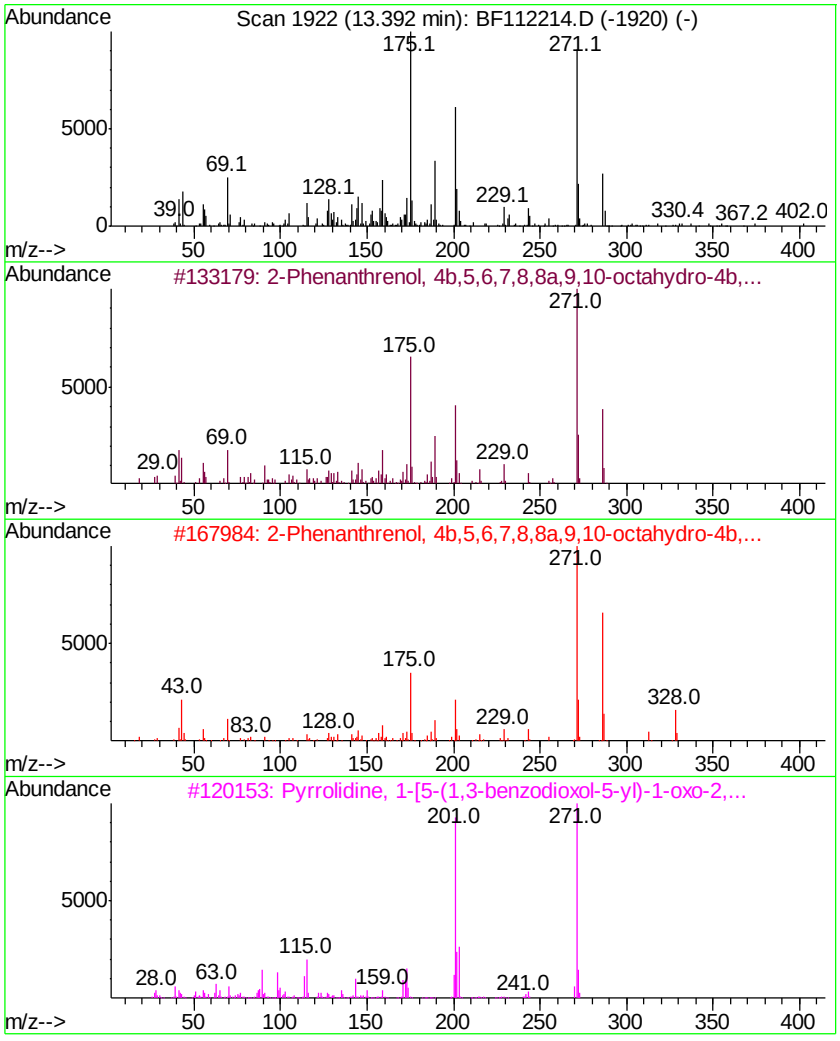
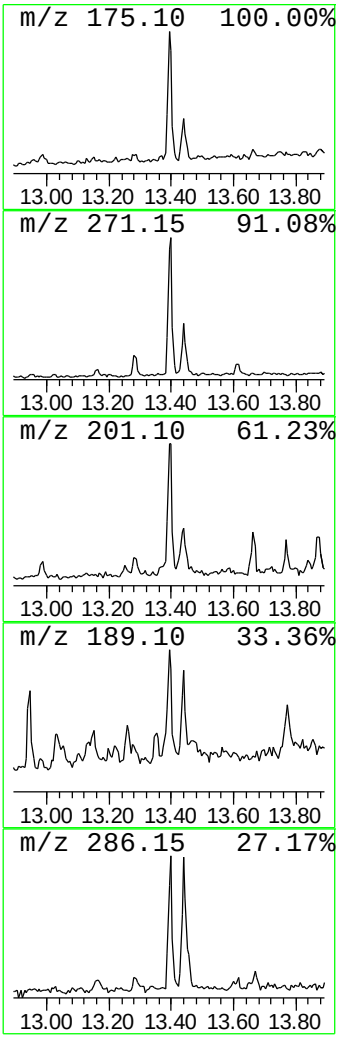
Peak Number 12 2-Phenanthrenol, 4b,5,6,7,8... Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.39	2.44 ng	227066	Chrysene-d12	14.03

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	2-Phenanthrenol, 4b,5,6,7,8,8a,9...	328	C22H32O2	015340-82-6	78
3	Pyrrolidine, 1-[5-(1,3-benzodiox...	271	C16H17NO3	025924-78-1	38
4	Podocarpa-8,11,13-trien-17-oic a...	344	C22H32O3	024067-43-4	35
5	Crinan-1-one	271	C16H17NO3	098301-98-5	22





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF012419\
Data File : BF112214.D
Acq On : 24 Jan 2019 17:42
Operator : JU/SJ
Sample : K1223-02 2X
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TS-N

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF011619.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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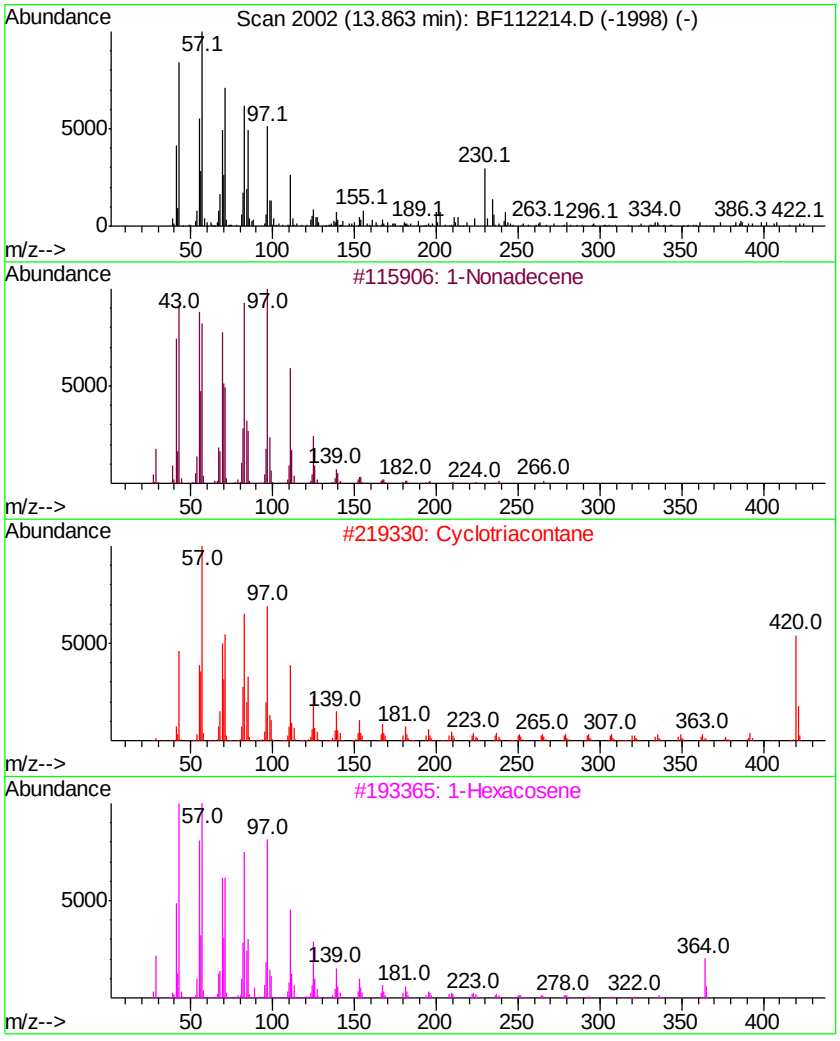
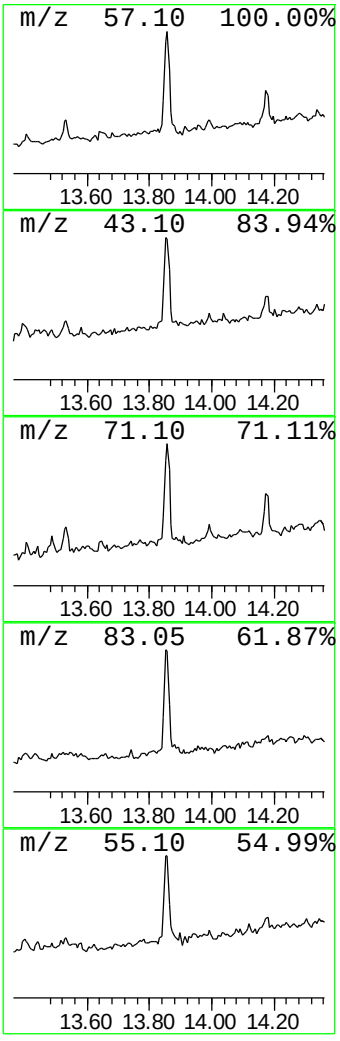
Peak Number 13 1-Nonadecene Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.86	5.60 ng	521364	Chrysene-d12	14.03

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Nonadecene	266	C19H38	018435-45-5	93
2	Cyclotriacontane	420	C30H60	000297-35-8	90
3	1-Hexacosene	364	C26H52	018835-33-1	87
4	1-Tricosene	322	C23H46	018835-32-0	87
5	1-Docosene	308	C22H44	001599-67-3	87





Tentatively Identified Compound (LSC) summary

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF012419\
Data File : BF112214.D
Acq On : 24 Jan 2019 17:42
Operator : JU/SJ
Sample : K1223-02 2X
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TS-N

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF011619.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
unknown6.63	6.63	35.3	ng	2599580	1	6.85	1474260	20.0
.alfa.-Copaene	10.01	3.5	ng	344434	3	9.89	1966010	20.0
Isophytol	11.86	4.2	ng	342488	4	11.38	1649890	20.0
n-Hexadecanoic acid	11.90	6.5	ng	532241	4	11.38	1649890	20.0
1,3,6,10-Cyclotet...	11.93	5.6	ng	464208	4	11.38	1649890	20.0
4H-Cyclopenta[def...	11.99	2.4	ng	193553	4	11.38	1649890	20.0
9,12-Octadecadien...	12.45	3.3	ng	271685	4	11.38	1649890	20.0
9-Octadecenoic ac...	12.47	2.5	ng	202621	4	11.38	1649890	20.0
Phytol	12.52	7.9	ng	655204	4	11.38	1649890	20.0
Pyrene, 1-methyl-	13.15	2.2	ng	204830	5	14.03	1862640	20.0
2-Phenanthrenol, ...	13.39	2.4	ng	227066	5	14.03	1862640	20.0
1-Nonadecene	13.86	5.6	ng	521364	5	14.03	1862640	20.0