LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF041619\
Data File : BF113804.D
Acq On : 16 Apr 2019 20:20
Operator : JU/SJ
Sample : K2413-02 2X
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : NCC-TOPSOIL-CR

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-BF040319.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	5.293	542	545	577	rBV	564741	1156758	82.36%	7.500%
2	6.334	719	722	739	rBV	611026	1185655	84.42%	7.687%
3	6.451	739	742	760	rVB	1086339	1311705	93.40%	8.505%
4	6.669	776	779	787	rBV	331303	358304	25.51%	2.323%
5	6.828	802	806	823	rBV	1008295	998197	71.07%	6.472%
6	7.240	873	876	904	rBV	442008	759808	54.10%	4.926%
7	7.957	995	998	1019	rBV	306824	451783	32.17%	2.929%
8	9.028	1176	1180	1193	rBV	1456995	1404451	100.00%	9.106%
9	9.434	1246	1249	1261	rVB	116978	141925	10.11%	0.920%
10	9.704	1291	1295	1310	rBV	449829	461436	32.86%	2.992%
11	10.498	1427	1430	1446	rBV	482078	652616	46.47%	4.231%
12	10.610	1446	1449	1457	rVB4	9207	14399	1.03%	0.093%
13	11.192	1544	1548	1551	rBV	354640	408101	29.06%	2.646%
14	11.216	1551	1552	1555	rVV	119945	89296	6.36%	0.579%
15	11.245	1555	1557	1560	rVB	35676	31704	2.26%	0.206%
16	11.404	1580	1584	1587	rBV	23650	23713	1.69%	0.154%
17	11.663	1624	1628	1631	rBV3	9905	15001	1.07%	0.097%
18	11.722	1636	1638	1650	rVV	149008	227702	16.21%	1.476%
19	11.869	1659	1663	1668	rVB6	18102	17848	1.27%	0.116%
20	12.404	1751	1754	1757	rBV	125545	134811	9.60%	0.874%
21	12.433	1757	1759	1761	rVB	24385	23905	1.70%	0.155%
22	12.510	1769	1772	1777	rBV5	36245	53215	3.79%	0.345%
23	12.633	1788	1793	1800	rVB	118662	149757	10.66%	0.971%
24	12.763	1811	1815	1822	rBV	1269520	1194560	85.06%	7.745%
25	12.851	1827	1830	1837	rVB6	13322	22296	1.59%	0.145%
26	12.939	1842	1845	1847	rBV4	14993	18298	1.30%	0.119%
27	12.963	1847	1849	1853	rVV2	18008	18677	1.33%	0.121%
28	12.998	1853	1855	1858	rVV3	16353	14118	1.01%	0.092%
29	13.063	1864	1866	1871	rVB4	19059	23079	1.64%	0.150%
30	13.163	1880	1883	1886	rBV4	23408	35539	2.53%	0.230%
31	13.210	1886	1891	1894	rVV3	32413	51436	3.66%	0.333%
32	13.333	1910	1912	1915	rBV2	17557	18193	1.30%	0.118%
33	13.633	1961	1963	1965	rBV	23331	22720	1.62%	0.147%
34	13.663	1966	1968	1971	rVB	30403	29630	2.11%	0.192%

LSC Area Percent Report

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Acq On : 16 Apr 2019 20:20
Operator : JU/SJ
Sample : K2413-02 2X
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : NCC-TOPSOIL-CR

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-BF040319.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	13.827	1991	1996	1999	rBV2	500097	601062	42.80%	3.897%
36	13.980	2020	2022	2024	rBV	30886	20656	1.47%	0.134%
37	14.286	2071	2074	2077	rVB	104679	97549	6.95%	0.632%
38	14.574	2121	2123	2127	rVB	83707	75452	5.37%	0.489%
39	14.645	2132	2135	2137	rVB	72606	70329	5.01%	0.456%
40	14.845	2166	2169	2172	rBV	144863	194142	13.82%	1.259%
41	14.886	2172	2176	2183	rVB2	410844	487547	34.71%	3.161%
42	15.127	2214	2217	2220	rBV	76108	78168	5.57%	0.507%
43	15.186	2224	2227	2230	rVV	106770	134407	9.57%	0.871%
44	15.239	2231	2236	2248	rVB2	394541	627300	44.67%	4.067%
45	15.621	2297	2301	2307	rVB	312156	435899	31.04%	2.826%
46	17.092	2547	2551	2563	rVB5	120255	311131	22.15%	2.017%
47	17.557	2625	2630	2643	rVB6	163379	500150	35.61%	3.243%
48	18.927	2856	2863	2870	rVB5	100476	269024	19.16%	1.744%

Sum of corrected areas: 15423452

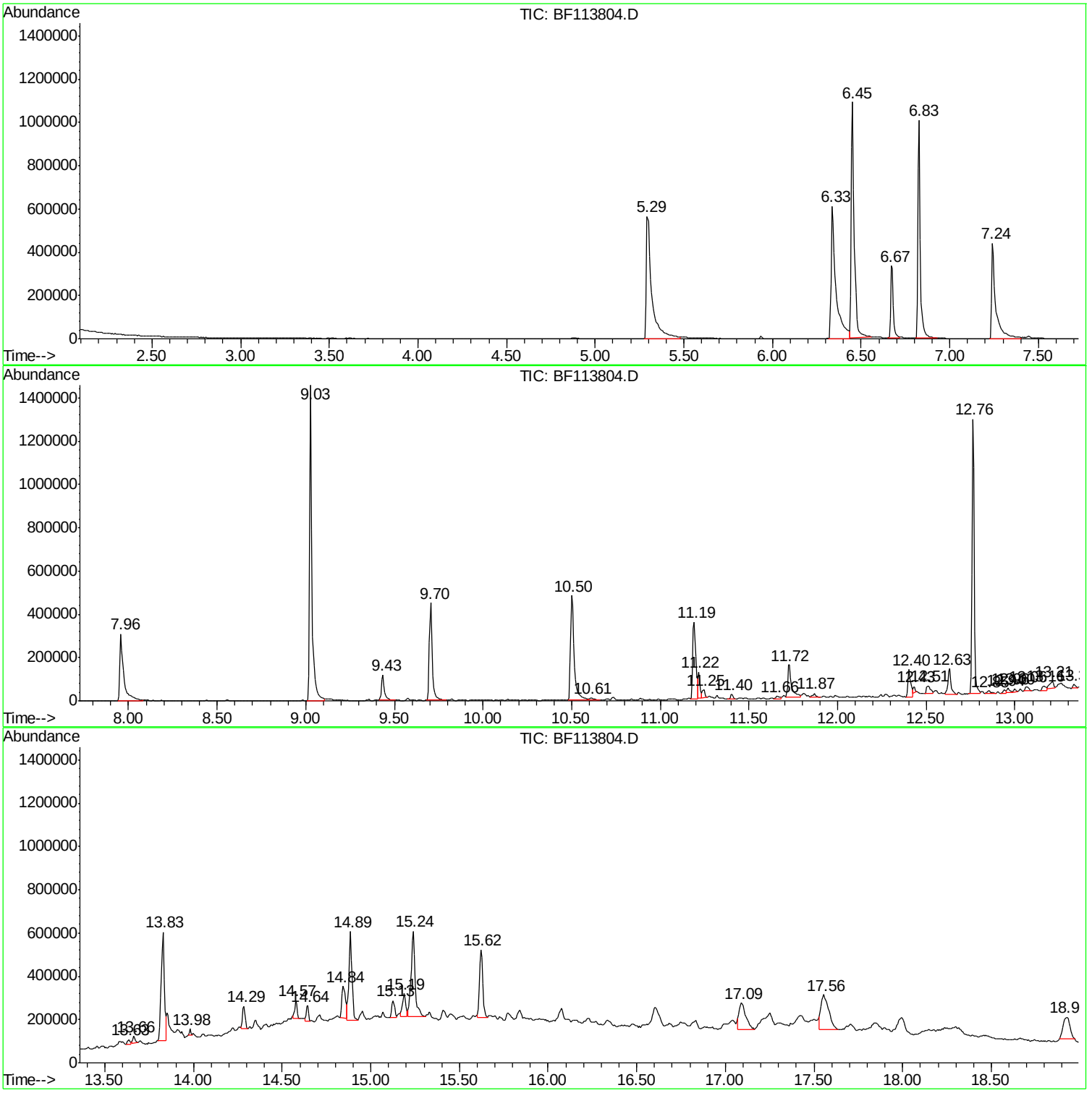
LSC Report - Integrated Chromatogram

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF041619\
Data File : BF113804.D
Acq On : 16 Apr 2019 20:20
Operator : JU/SJ
Sample : K2413-02 2X
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
NCC-TOPSOIL-CR

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF040319.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\BF041619\
Data File : BF113804.D
Acq On : 16 Apr 2019 20:20
Operator : JU/SJ
Sample : K2413-02 2X
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : NCC-TOPSOIL-CR

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF040319.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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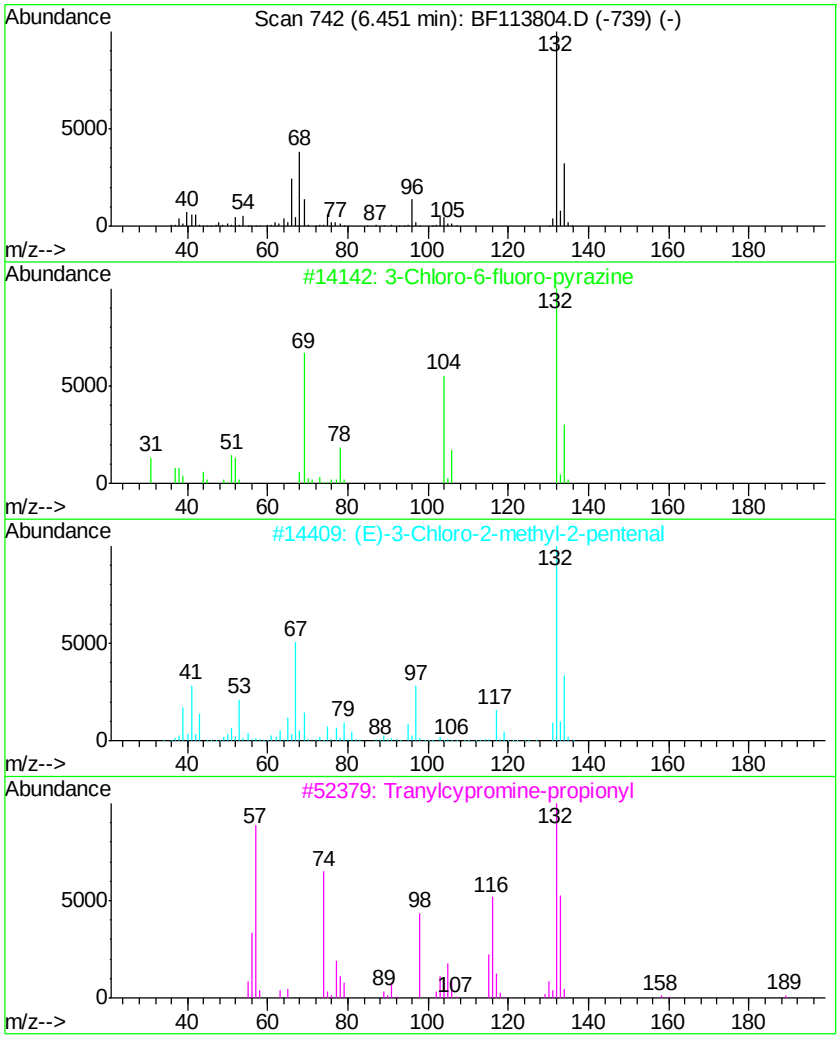
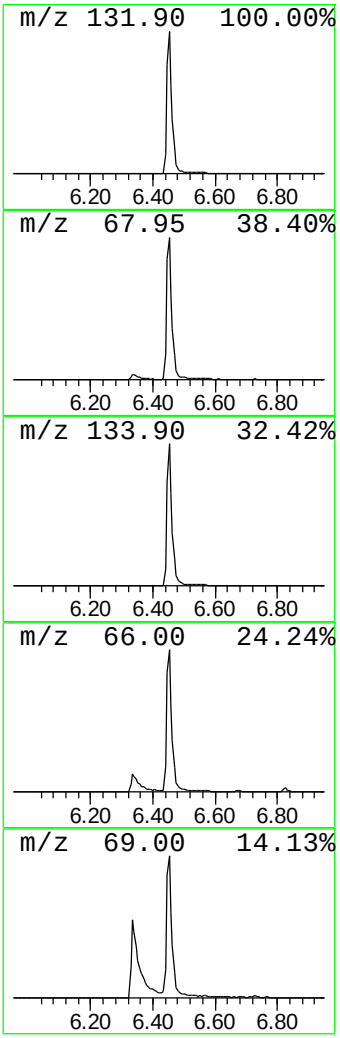
Peak Number 1 unknown6.45 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.45	73.22 ng	1311710	1,4-Dichlorobenzene-d4	6.67

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	12
3	Tranylcypromine-propionyl	189	C12H15NO	1000123-86-3	12
4	Amphetaminil	250	C17H18N2	017590-01-1	12
5	5-Fluoro-2-chloropyrimidine	132	C4H2ClFN2	062802-42-0	9





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Acq On : 16 Apr 2019 20:20
Operator : JU/SJ
Sample : K2413-02 2X
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : NCC-TOPSOIL-CR

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF040319.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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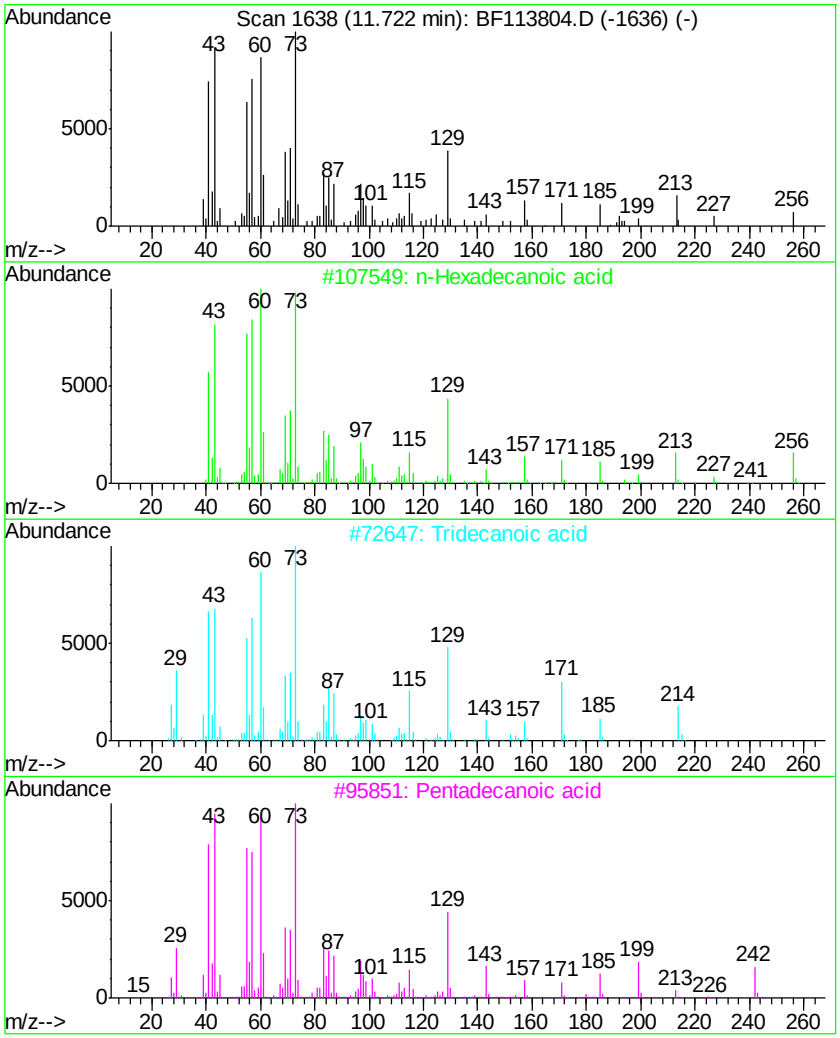
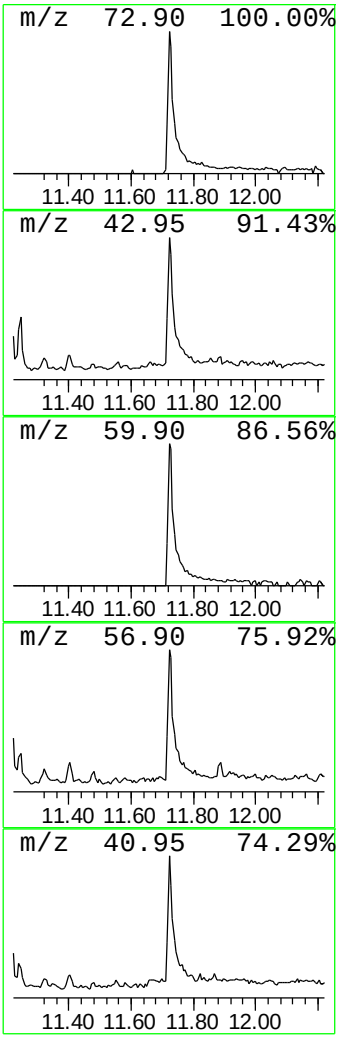
Peak Number 3 n-Hexadecanoic acid Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.72	11.16 ng	227702	Phenanthrene-d10	11.19

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	93
3	Pentadecanoic acid	242	C15H30O2	001002-84-2	91
4	Tetradecanoic acid	228	C14H28O2	000544-63-8	86
5	N-Cyclooct-4-enylacetamide	167	C10H17NO	170952-69-9	25





Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF041619\
Data File : BF113804.D
Acq On : 16 Apr 2019 20:20
Operator : JU/SJ
Sample : K2413-02 2X
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : NCC-TOPSOIL-CR

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF040319.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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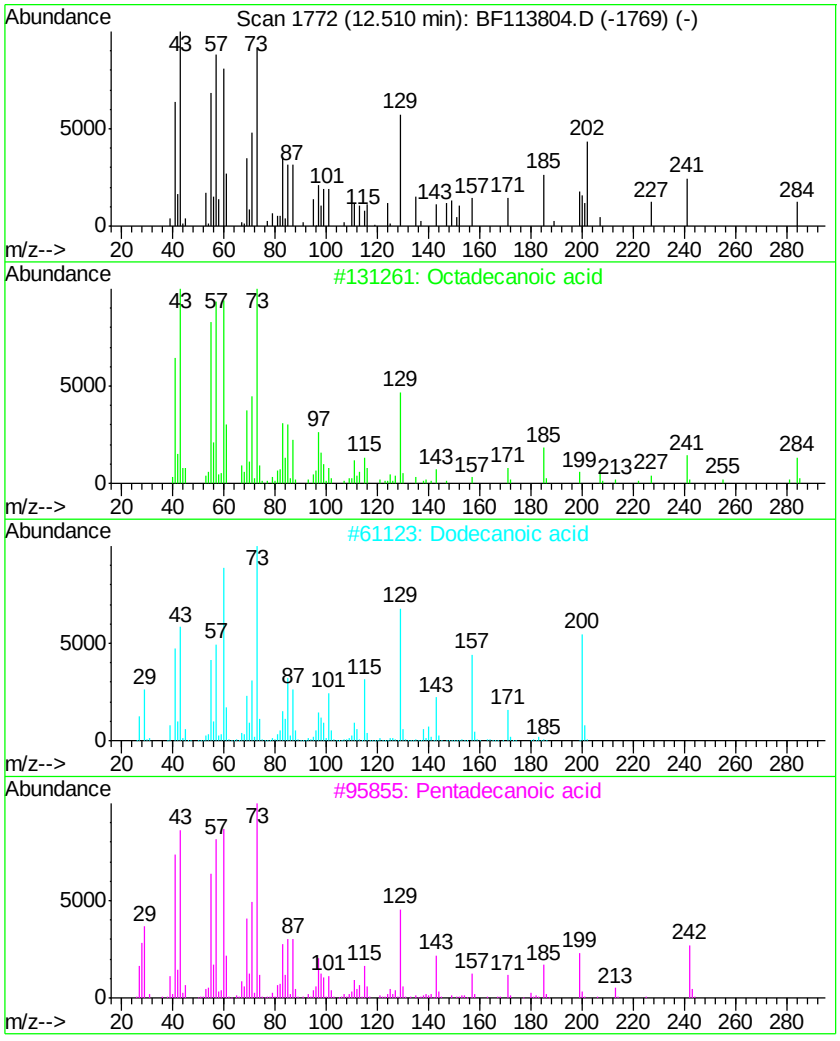
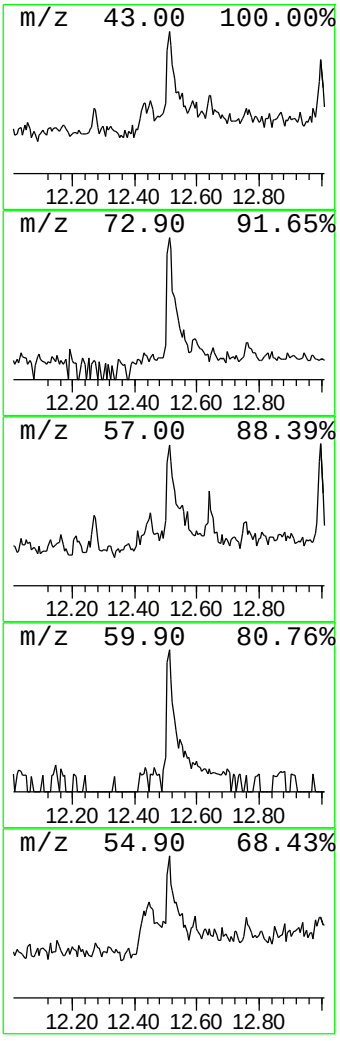
Peak Number 4 Octadecanoic acid Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.51	2.61 ng	53215	Phenanthrene-d10	11.19

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octadecanoic acid	284	C18H36O2	000057-11-4	70
2	Dodecanoic acid	200	C12H24O2	000143-07-7	53
3	Pentadecanoic acid	242	C15H30O2	001002-84-2	50
4	Tetradecanoic acid	228	C14H28O2	000544-63-8	47
5	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	38





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Operator : JU/SJ
Sample : K2413-02 2X
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : NCC-TOPSOIL-CR

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF040319.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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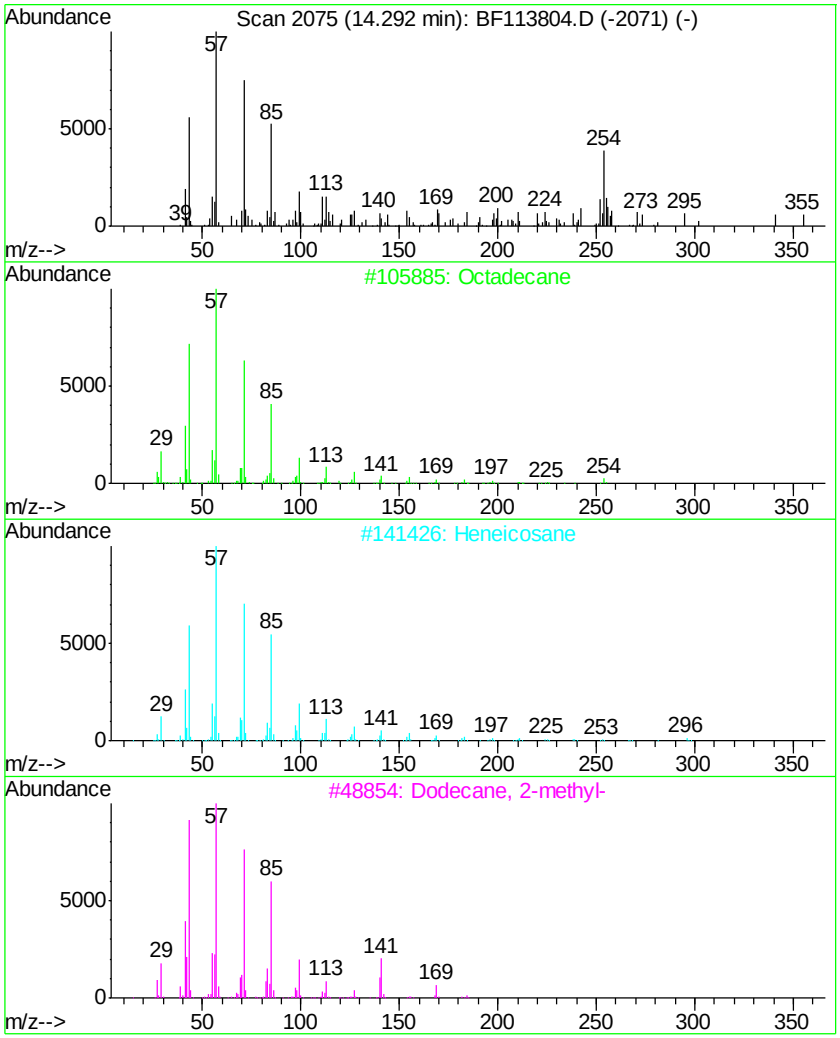
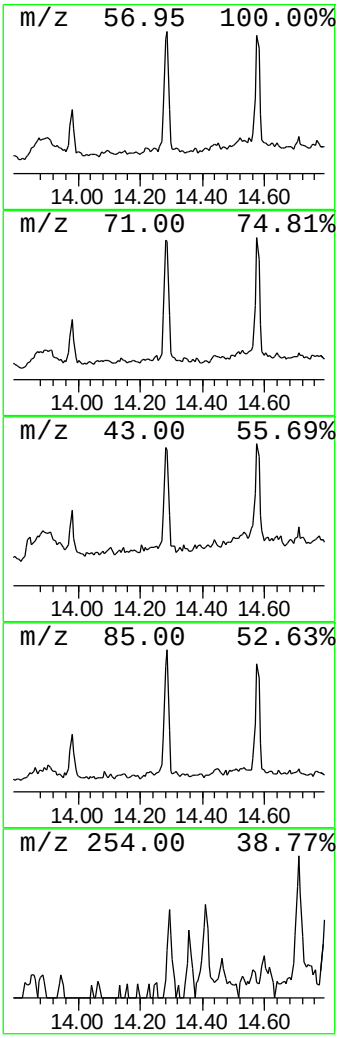
Peak Number 5 Octadecane Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.29	3.25 ng	97549	Chrysene-d12	13.83

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octadecane	254	C18H38	000593-45-3	91
2	Heneicosane	296	C21H44	000629-94-7	87
3	Dodecane, 2-methyl-	184	C13H28	001560-97-0	87
4	Triacontane	422	C30H62	000638-68-6	87
5	Tetradecane, 2,6,10-trimethyl-	240	C17H36	014905-56-7	87





Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF041619\
Data File : BF113804.D
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Sample : K2413-02 2X
Misc :
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Instrument : BNA_F
ClientSampleId : NCC-TOPSOIL-CR

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF040319.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
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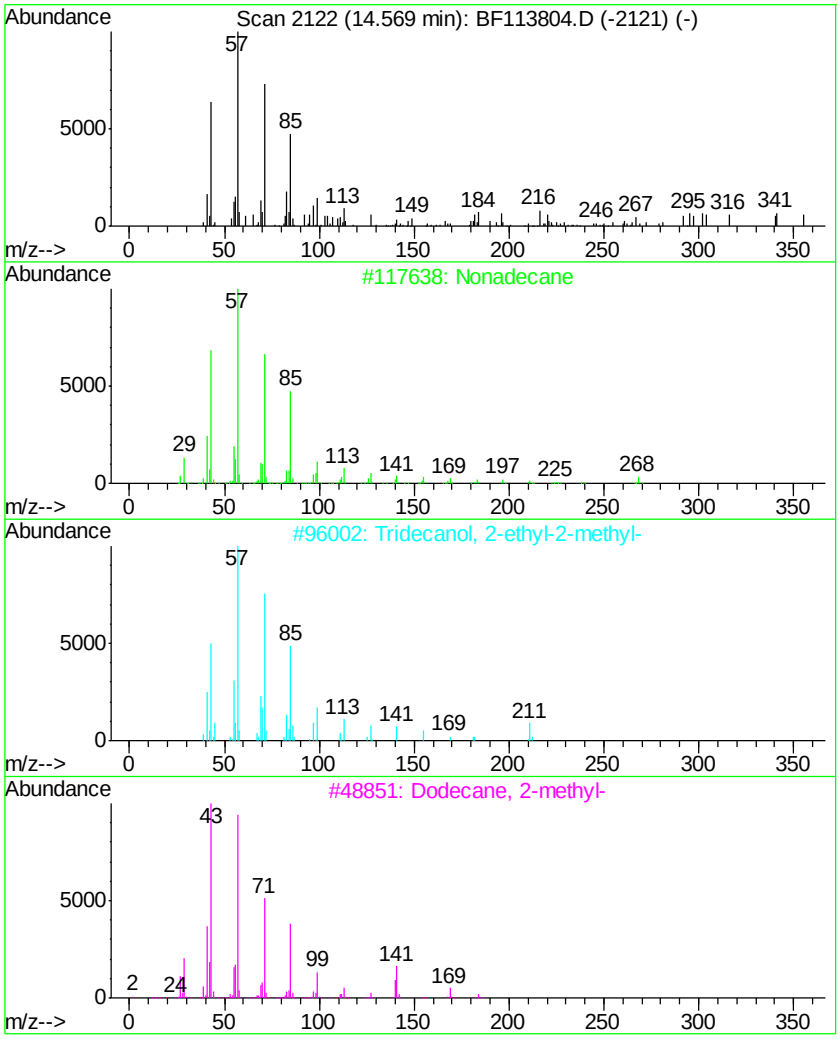
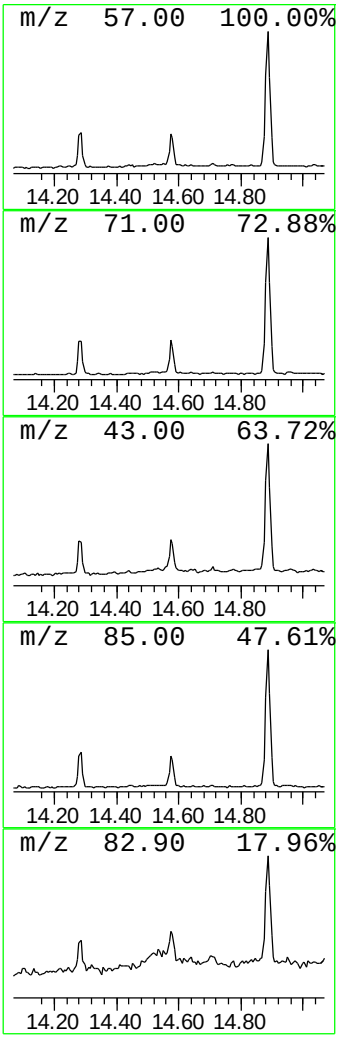
Peak Number 6 Nonadecane Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.57	2.41 ng	75452	Perylene-d12	15.24

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Nonadecane	268	C19H40	000629-92-5	87
2	Tridecanol, 2-ethyl-2-methyl-	242	C16H34O	1000115-66-1	86
3	Dodecane, 2-methyl-	184	C13H28	001560-97-0	86
4	2-Bromo dodecane	248	C12H25Br	013187-99-0	86
5	Nonadecane, 2-methyl-	282	C20H42	001560-86-7	86





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Data File : BF113804.D
Acq On : 16 Apr 2019 20:20
Operator : JU/SJ
Sample : K2413-02 2X
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : NCC-TOPSOIL-CR

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF040319.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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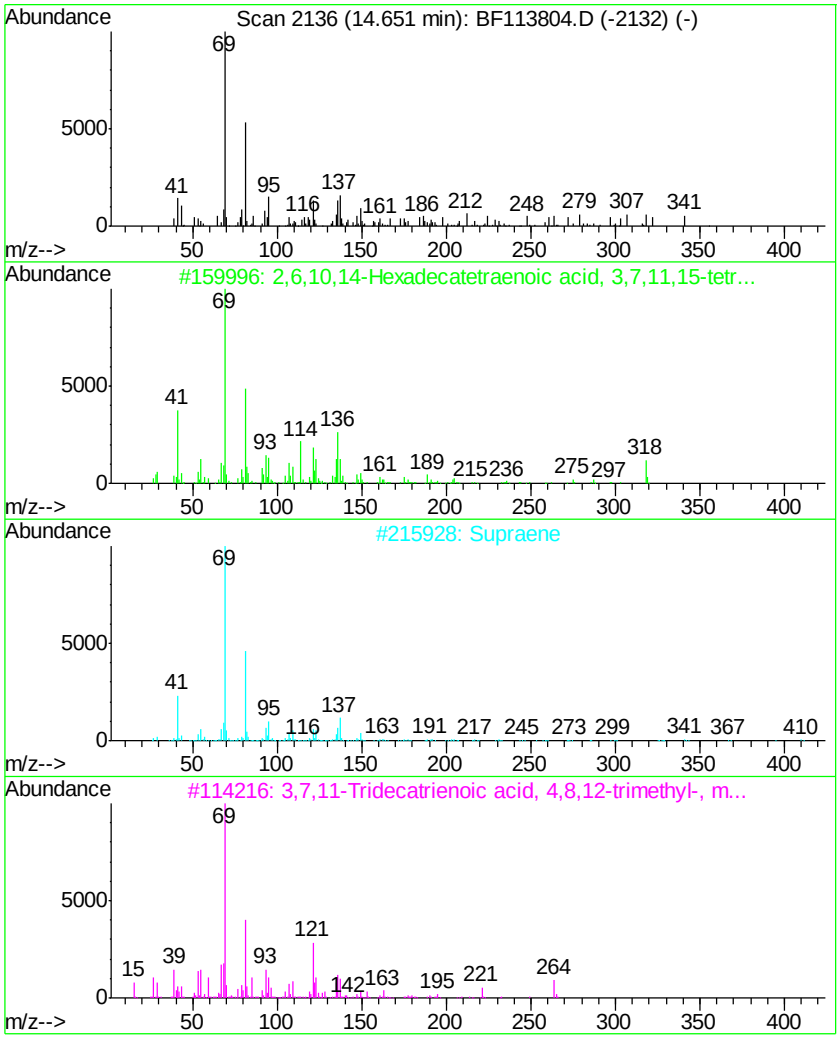
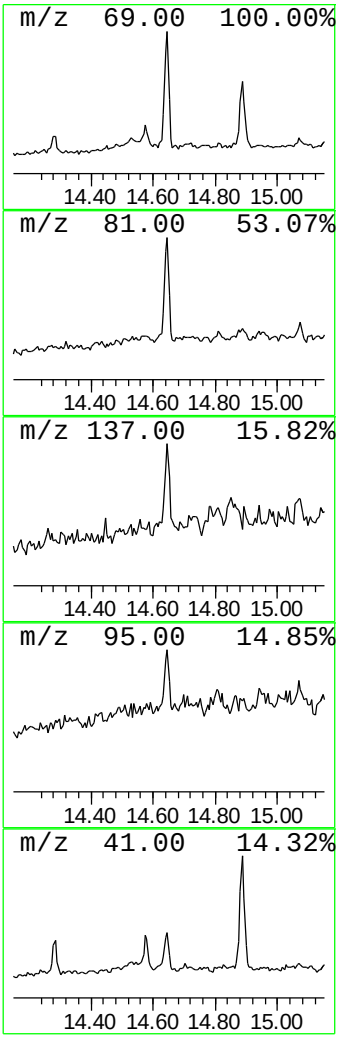
Peak Number 7 2,6,10,14-Hexadecatetraenoi... Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.65	2.24 ng	70329	Perylene-d12	15.24

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2,6,10,14-Hexadecatetraenoic aci...	318	C21H34O2	042207-88-5	83
2	Supraene	410	C30H50	007683-64-9	80
3	3,7,11-Tridecatrienoic acid, 4,8...	264	C17H28O2	036237-70-4	72
4	7,11-Dimethyldodeca-2,6,10-trien...	208	C14H24O	125529-10-4	72
5	4,9,13,17-Tetramethyl-4,8,12,16-...	316	C22H36O	056882-09-8	64





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Misc :
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Instrument : BNA_F
ClientSampleId : NCC-TOPSOIL-CR

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF040319.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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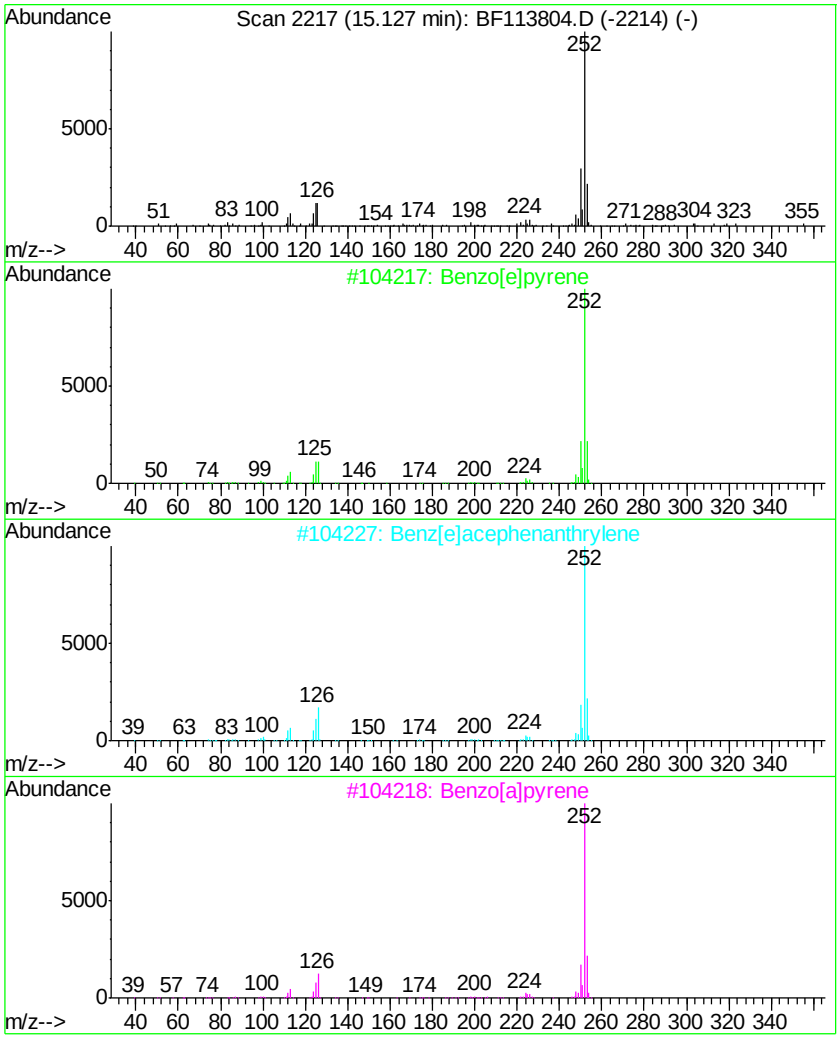
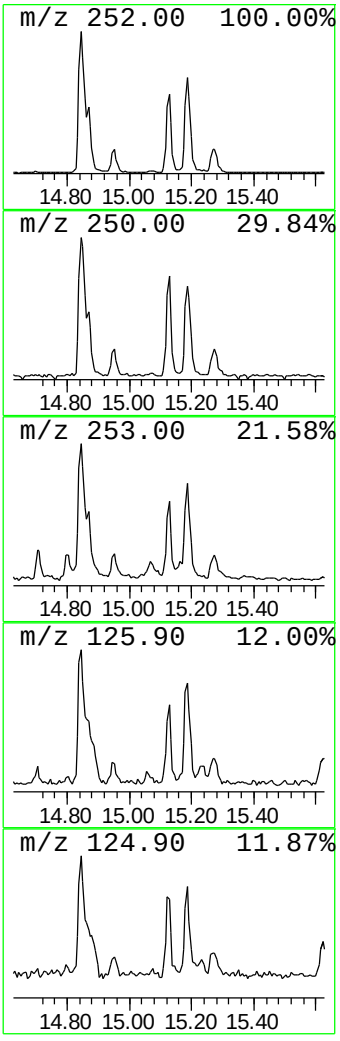
Peak Number 8 Benzo[e]pyrene Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.13	2.49 ng	78168	Perylene-d12	15.24

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	98
2	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	98
3	Benzo[a]pyrene	252	C20H12	000050-32-8	96
4	Perylene	252	C20H12	000198-55-0	94
5	Benzo[k]fluoranthene	252	C20H12	000207-08-9	93





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Data File : BF113804.D
Acq On : 16 Apr 2019 20:20
Operator : JU/SJ
Sample : K2413-02 2X
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : NCC-TOPSOIL-CR

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF040319.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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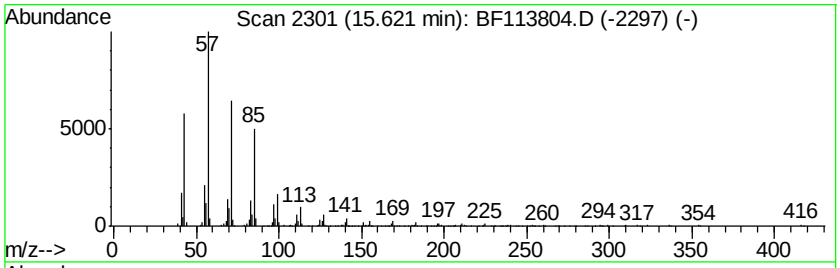
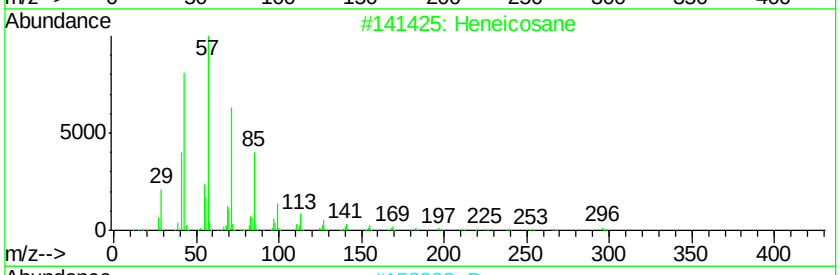
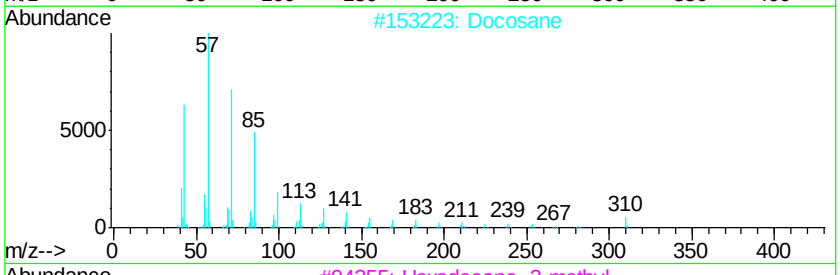
Peak Number 9 Heneicosane Concentration Rank 4

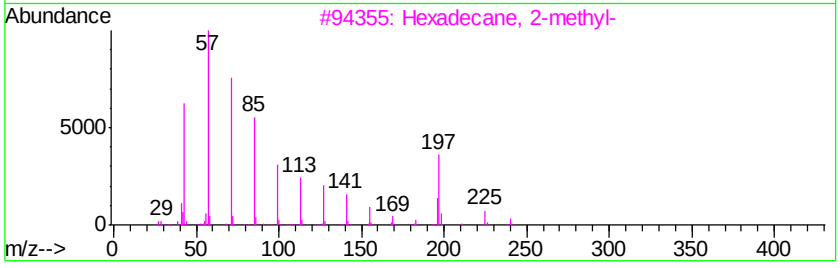
R.T.	EstConc	Area	Relative to ISTD	R.T.
15.62	13.90 ng	435899	Perylene-d12	15.24

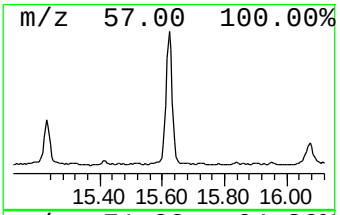
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heneicosane	296	C21H44	000629-94-7	97
2	Docosane	310	C22H46	000629-97-0	96
3	Hexadecane, 2-methyl-	240	C17H36	001560-92-5	93
4	Tetradecane, 2,6,10-trimethyl-	240	C17H36	014905-56-7	93
5	Tetracosane	338	C24H50	000646-31-1	91

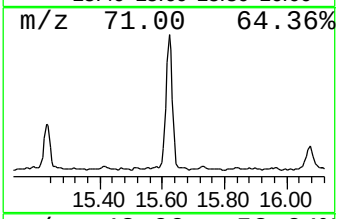


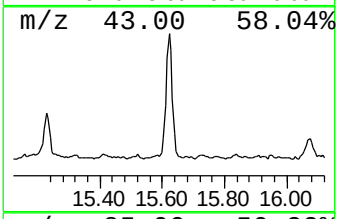


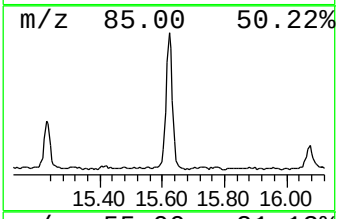


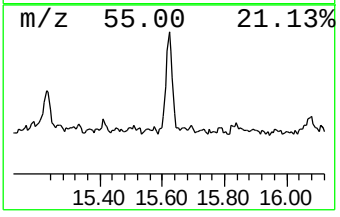












Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF041619\
Data File : BF113804.D
Acq On : 16 Apr 2019 20:20
Operator : JU/SJ
Sample : K2413-02 2X
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : NCC-TOPSOIL-CR

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF040319.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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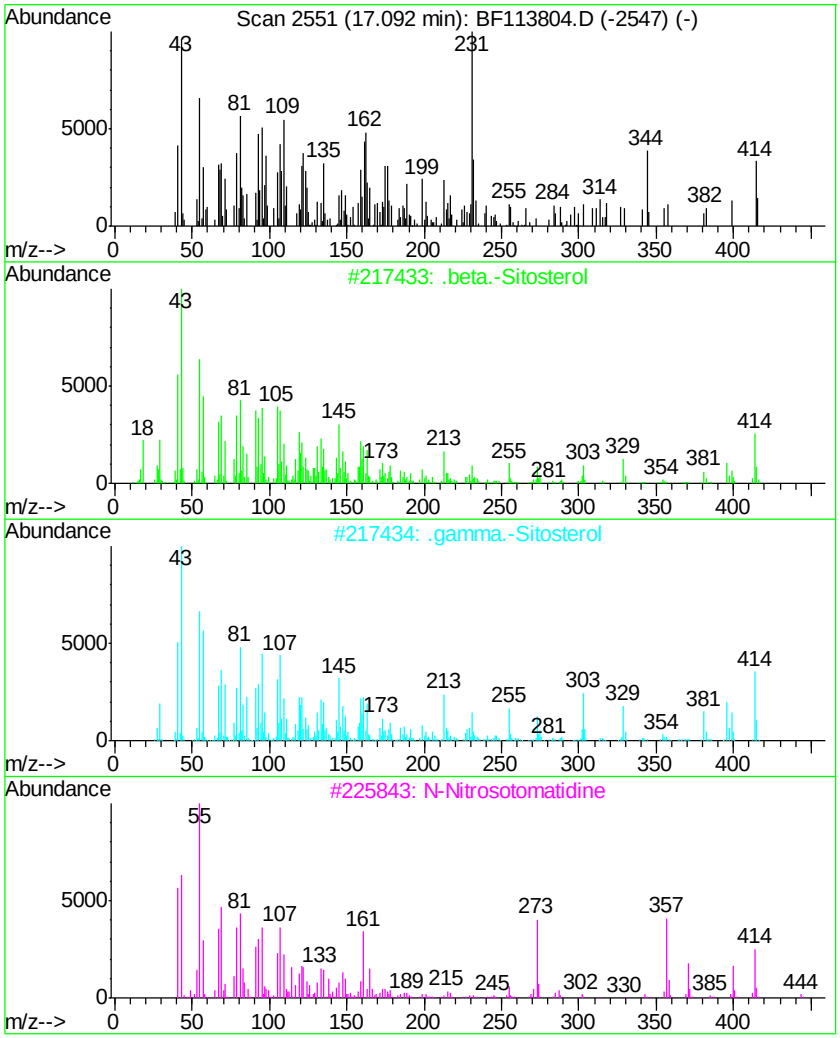
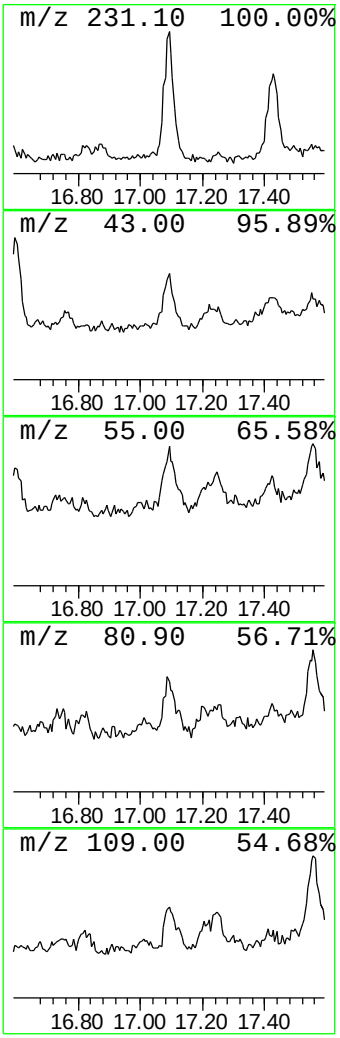
Peak Number 10 unknown17.09 Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.09	9.92 ng	311131	Perylene-d12	15.24

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	.beta.-Sitosterol	414	C29H50O	000083-46-5	47
2	.gamma.-Sitosterol	414	C29H50O	000083-47-6	42
3	N-Nitrosotomatidine	444	C27H44N2O3	004847-05-6	35
4	17-(1,5-Dimethylhexyl)-10,13-dim...	414	C29H50O	1000210-86-9	30
5	Adenine, N4-trifluoroacetyl-	231	C7H4F3N5O	1000374-88-1	25





Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF041619\
Data File : BF113804.D
Acq On : 16 Apr 2019 20:20
Operator : JU/SJ
Sample : K2413-02 2X
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : NCC-TOPSOIL-CR

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF040319.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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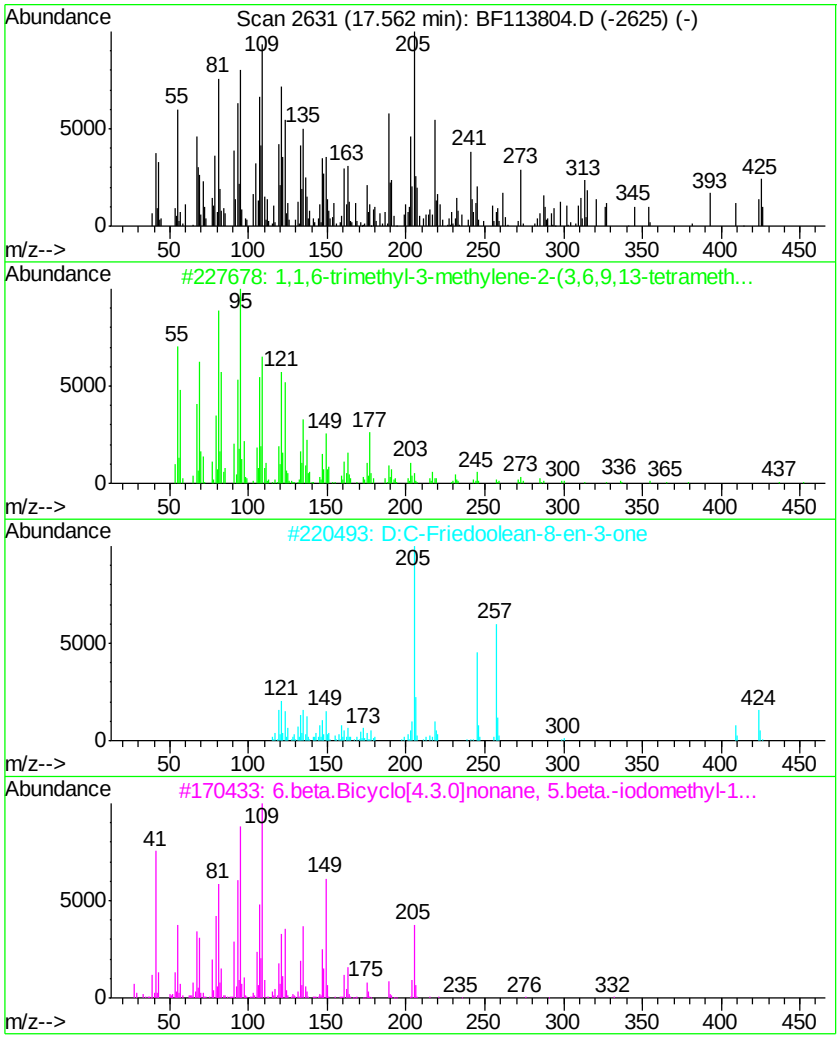
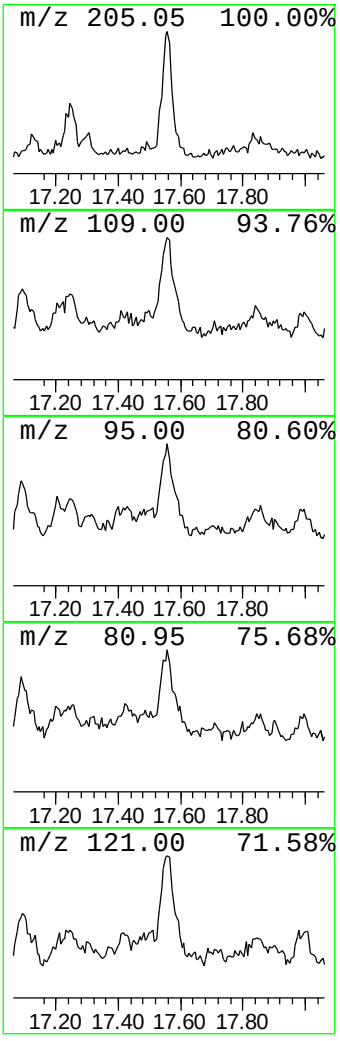
Peak Number 11 unknown17.56 Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.56	15.95 ng	500150	Perylene-d12	15.24

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1,6-trimethyl-3-methylene-2-(3...	452	C33H56	1000373-94-5	46
2	D:C-Friedoolean-8-en-3-one	424	C30H48O	022611-26-3	45
3	6.beta.Bicyclo[4.3.0]nonane, 5.b...	332	C15H25I	1000195-85-9	38
4	Urs-12-en-28-ol	426	C30H50O	010153-88-5	37
5	A'-Neogammacer-22(29)-en-3-one	424	C30H48O	025615-11-6	35





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF041619\
Data File : BF113804.D
Acq On : 16 Apr 2019 20:20
Operator : JU/SJ
Sample : K2413-02 2X
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : NCC-TOPSOIL-CR

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF040319.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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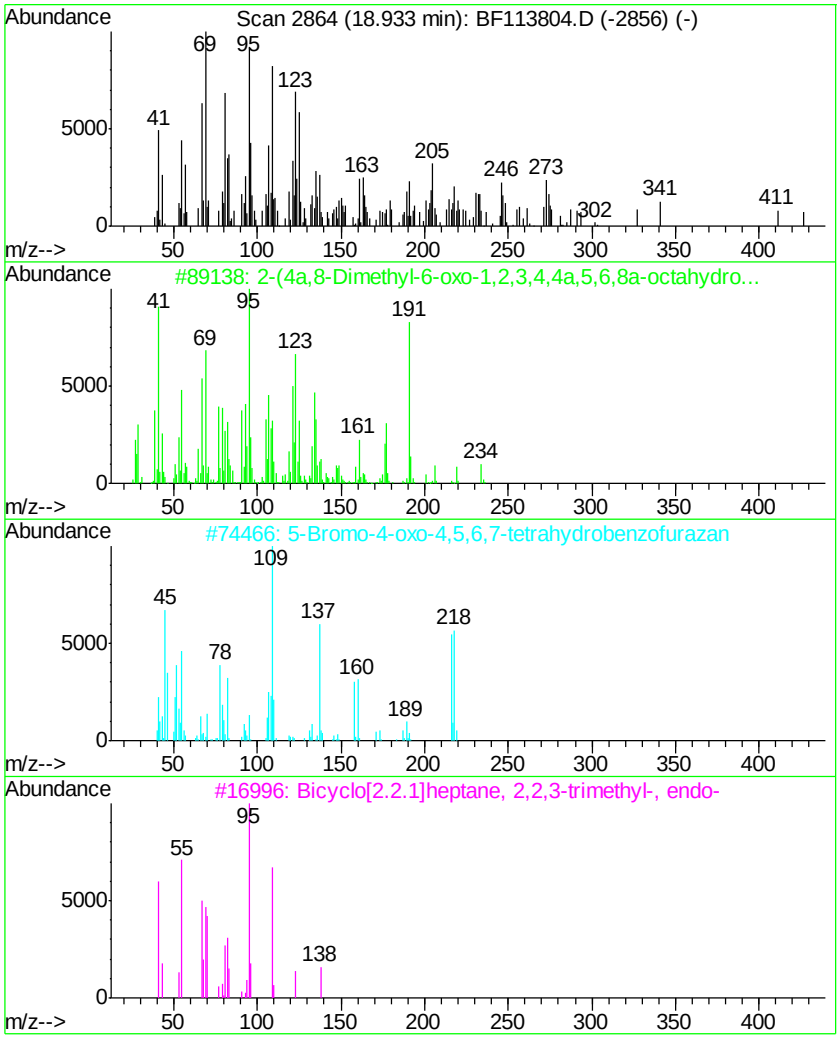
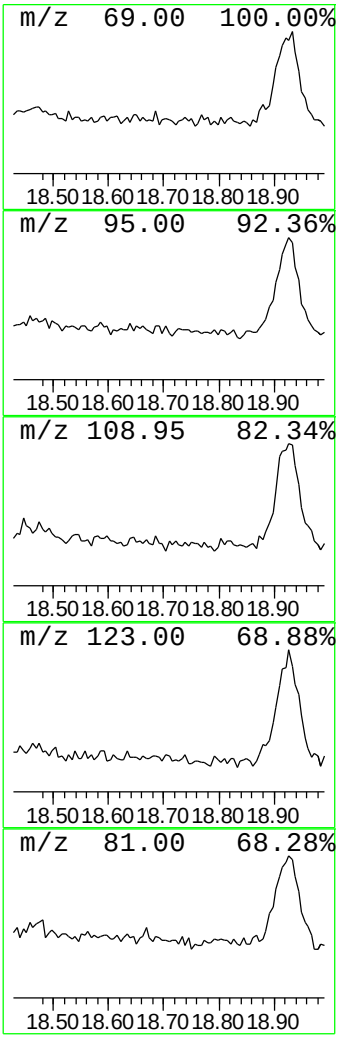
Peak Number 12 2-(4a,8-Dimethyl-6-oxo-1,2,... Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.93	8.58 ng	269024	Perylene-d12	15.24

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-(4a,8-Dimethyl-6-oxo-1,2,3,4,4...	234	C15H22O2	1000190-21-8	70
2	5-Bromo-4-oxo-4,5,6,7-tetrahydro...	216	C6H5BrN2O2	300574-36-1	60
3	Bicyclo[2.2.1]heptane, 2,2,3-tri...	138	C10H18	020536-40-7	42
4	4-(1,3,3-Trimethyl-bicyclo[4.1.0...	206	C14H22O	077143-31-8	35
5	1,4-Methanoazulen-7(1H)-one, oct...	220	C15H24O	018319-28-3	30





Tentatively Identified Compound (LSC) summary

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF041619\
Data File : BF113804.D
Acq On : 16 Apr 2019 20:20
Operator : JU/SJ
Sample : K2413-02 2X
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : NCC-TOPSOIL-CR

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF040319.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
unknown6.45	6.45	73.2	ng	1311710	1	6.67	358304	20.0
n-Hexadecanoic acid	11.72	11.2	ng	227702	4	11.19	408101	20.0
Octadecanoic acid	12.51	2.6	ng	53215	4	11.19	408101	20.0
Octadecane	14.29	3.3	ng	97549	5	13.83	601062	20.0
Nonadecane	14.57	2.4	ng	75452	6	15.24	627300	20.0
2,6,10,14-Hexadec...	14.65	2.2	ng	70329	6	15.24	627300	20.0
Benzo[e]pyrene	15.13	2.5	ng	78168	6	15.24	627300	20.0
Heneicosane	15.62	13.9	ng	435899	6	15.24	627300	20.0
unknown17.09	17.09	9.9	ng	311131	6	15.24	627300	20.0
unknown17.56	17.56	15.9	ng	500150	6	15.24	627300	20.0
2-(4a,8-Dimethyl-...	18.93	8.6	ng	269024	6	15.24	627300	20.0