LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF080719\
Data File : BF116043.D
Acq On : 7 Aug 2019 11:54
Operator : HP/JU
Sample : K4152-06
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 2S-H1-H4-COMP-(30)

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	2.152	4	11	40	rVB	1069542	1799694	26.29%	1.772%
2	5.475	571	576	595	rBV	2857237	3028886	44.25%	2.982%
3	6.481	742	747	766	rBV	2783466	3196159	46.70%	3.147%
4	6.616	766	770	774	rBV	3281086	3198693	46.73%	3.149%
5	6.840	805	808	821	rVB	915615	844144	12.33%	0.831%
6	6.998	831	835	845	rBV	2693582	2479117	36.22%	2.441%
7	7.404	899	904	907	rBV	2060556	2019577	29.51%	1.988%
8	8.122	1022	1026	1034	rBV	1190881	1068735	15.61%	1.052%
9	9.198	1204	1209	1212	rBV	3607140	3428113	50.09%	3.375%
10	9.592	1271	1276	1288	rBV	616817	642907	9.39%	0.633%
11	9.875	1320	1324	1328	rBV	1450036	1291939	18.88%	1.272%
12	10.086	1356	1360	1370	rBV4	36712	85269	1.25%	0.084%
13	10.422	1412	1417	1422	rVB3	80422	109673	1.60%	0.108%
14	10.533	1433	1436	1440	rBV	83278	77478	1.13%	0.076%
15	10.663	1455	1458	1466	rVV	1371690	1512973	22.10%	1.490%
16	10.728	1466	1469	1474	rVB	94215	107562	1.57%	0.106%
17	10.822	1482	1485	1487	rBV	186633	148154	2.16%	0.146%
18	10.898	1496	1498	1501	rVB	92595	68450	1.00%	0.067%
19	10.945	1503	1506	1508	rBV	98203	90375	1.32%	0.089%
20	11.033	1519	1521	1524	rVB	134948	110120	1.61%	0.108%
21	11.133	1535	1538	1540	rBV	160628	121553	1.78%	0.120%
22	11.163	1540	1543	1546	rVB	187994	186482	2.72%	0.184%
23	11.222	1550	1553	1555	rBV2	174931	169009	2.47%	0.166%
24	11.251	1555	1558	1564	rVB	275753	272050	3.97%	0.268%
25	11.304	1564	1567	1571	rBV2	329914	536107	7.83%	0.528%
26	11.363	1571	1577	1582	rBV3	1477895	1773779	25.92%	1.746%
27	11.404	1582	1584	1587	rVB	290839	248113	3.62%	0.244%
28	11.439	1588	1590	1594	rVB	344383	355638	5.20%	0.350%
29	11.486	1594	1598	1600	rBV2	389814	382294	5.59%	0.376%
30	11.516	1600	1603	1604	rBV	292860	250436	3.66%	0.247%
31	11.533	1604	1606	1612	rVB4	249364	355661	5.20%	0.350%
32	11.586	1612	1615	1618	rBV	624367	662689	9.68%	0.652%
33	11.633	1621	1623	1625	rVB3	115413	88255	1.29%	0.087%
34	11.663	1625	1628	1630	rBV	429894	577557	8.44%	0.569%

LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF080719\
Data File : BF116043.D
Acq On : 7 Aug 2019 11:54
Operator : HP/JU
Sample : K4152-06
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 2S-H1-H4-COMP-(30)

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	11.716	1634	1637	1640	rVB2	414438	414206	6.05%	0.408%
36	11.751	1640	1643	1645	rBV2	487050	501614	7.33%	0.494%
37	11.780	1645	1648	1650	rVB2	405419	354349	5.18%	0.349%
38	11.810	1650	1653	1654	rBV	265166	223186	3.26%	0.220%
39	11.845	1654	1659	1662	rBV	658052	1046476	15.29%	1.030%
40	11.904	1662	1669	1675	rBV2	2882267	5617253	82.07%	5.530%
41	12.051	1692	1694	1698	rVB2	221335	182146	2.66%	0.179%
42	12.163	1711	1713	1715	rBV3	121501	120218	1.76%	0.118%
43	12.198	1717	1719	1721	rBV2	162949	157878	2.31%	0.155%
44	12.280	1730	1733	1735	rBV2	196138	238100	3.48%	0.234%
45	12.363	1745	1747	1748	rBV	201953	166536	2.43%	0.164%
46	12.580	1780	1784	1789	rBV	803537	1367678	19.98%	1.347%
47	12.692	1795	1803	1812	rVB	3606900	6844516	100.00%	6.739%
48	12.774	1814	1817	1821	rVV3	425494	760116	11.11%	0.748%
49	12.804	1821	1822	1825	rVB	429538	323670	4.73%	0.319%
50	12.951	1842	1847	1850	rBV	3392947	3366988	49.19%	3.315%
51	13.422	1921	1927	1931	rBV	1232304	1751491	25.59%	1.724%
52	13.839	1994	1998	2000	rBV	290745	331532	4.84%	0.326%
53	13.951	2012	2017	2022	rBV	2356604	3327984	48.62%	3.276%
54	14.004	2022	2026	2029	rVB2	927835	941754	13.76%	0.927%
55	14.157	2047	2052	2059	rVB	834220	998390	14.59%	0.983%
56	14.239	2064	2066	2071	rVB2	94805	114704	1.68%	0.113%
57	14.421	2090	2097	2100	rBV	3514806	4990100	72.91%	4.913%
58	14.463	2100	2104	2107	rVB	1649599	1879818	27.46%	1.851%
59	14.698	2137	2144	2150	rBV2	236646	455153	6.65%	0.448%
60	14.763	2150	2155	2162	rVB	2498581	3004368	43.89%	2.958%
61	14.851	2163	2170	2184	rVB	3606851	6198156	90.56%	6.102%
62	15.045	2199	2203	2206	rBV	126651	200476	2.93%	0.197%
63	15.098	2206	2212	2216	rBV	2526725	3306575	48.31%	3.255%
64	15.327	2242	2251	2261	rBV	3231575	6114783	89.34%	6.020%
65	15.404	2261	2264	2268	rVV	153816	208860	3.05%	0.206%
66	15.468	2269	2275	2287	rVB2	2572849	3956676	57.81%	3.895%
67	15.668	2301	2309	2314	rBV3	275454	659193	9.63%	0.649%
68	15.857	2333	2341	2345	rBV	2077515	4183484	61.12%	4.119%
69	15.898	2345	2348	2360	rVB	1514801	2156302	31.50%	2.123%
70	16.392	2425	2432	2437	rBV	573633	1073716	15.69%	1.057%
71	16.468	2437	2445	2453	rVB	702051	1587082	23.19%	1.563%

LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF080719\
Data File : BF116043.D
Acq On : 7 Aug 2019 11:54
Operator : HP/JU
Sample : K4152-06
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 2S-H1-H4-COMP-(30)

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

72	16.945	2519	2526	2527	rBV4	158185	296991	4.34%	0.292%
73	17.180	2559	2566	2576	rVB	239495	613691	8.97%	0.604%
74	18.015	2704	2708	2723	rVB4	87985	248108	3.62%	0.244%

Sum of corrected areas: 101571958

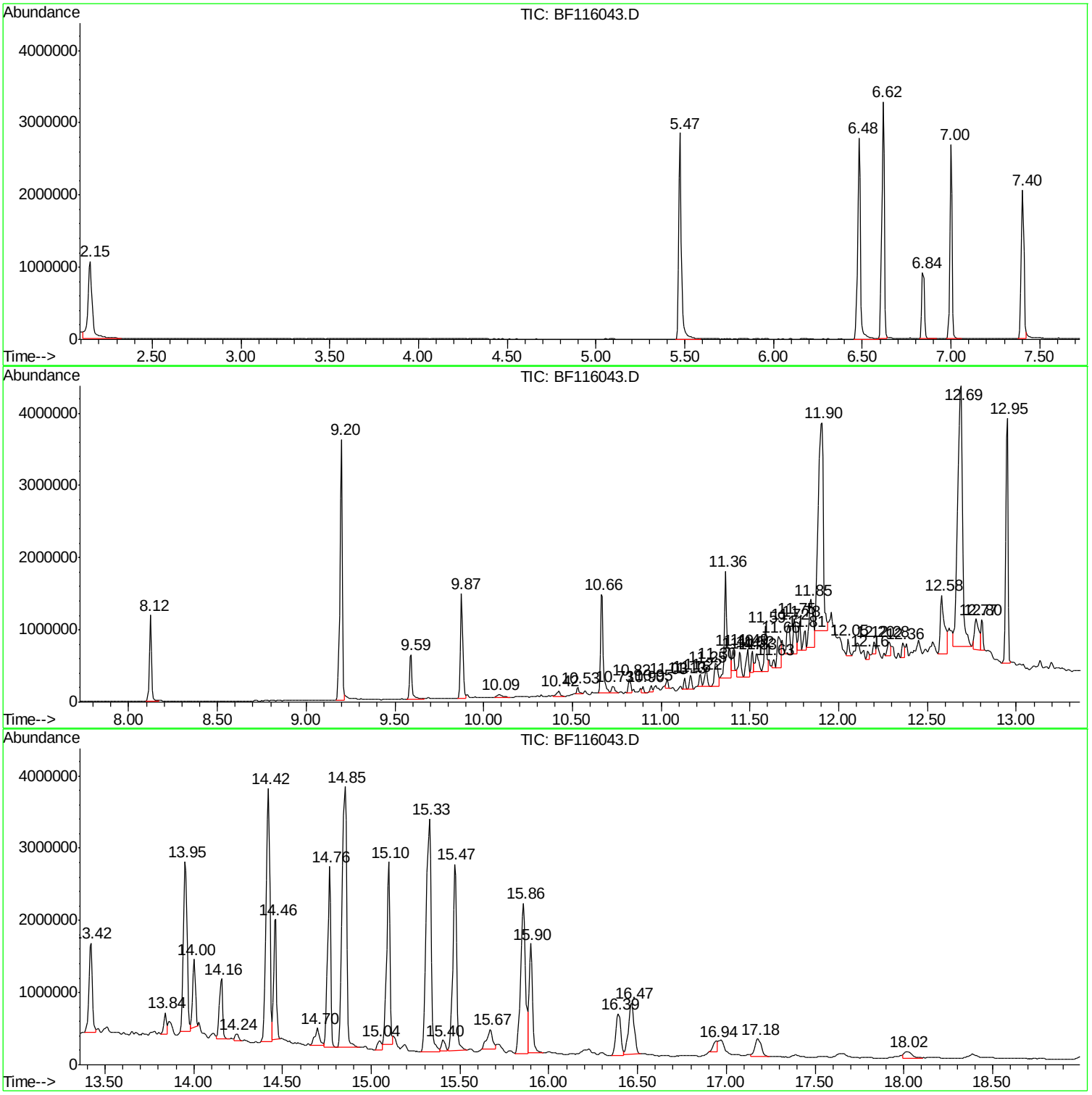
LSC Report - Integrated Chromatogram

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF080719\
Data File : BF116043.D
Acq On : 7 Aug 2019 11:54
Operator : HP/JU
Sample : K4152-06
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 2S-H1-H4-COMP-(30)

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



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF080719\
Data File : BF116043.D
Acq On : 7 Aug 2019 11:54
Operator : HP/JU
Sample : K4152-06
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 2S-H1-H4-COMP-(30)

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

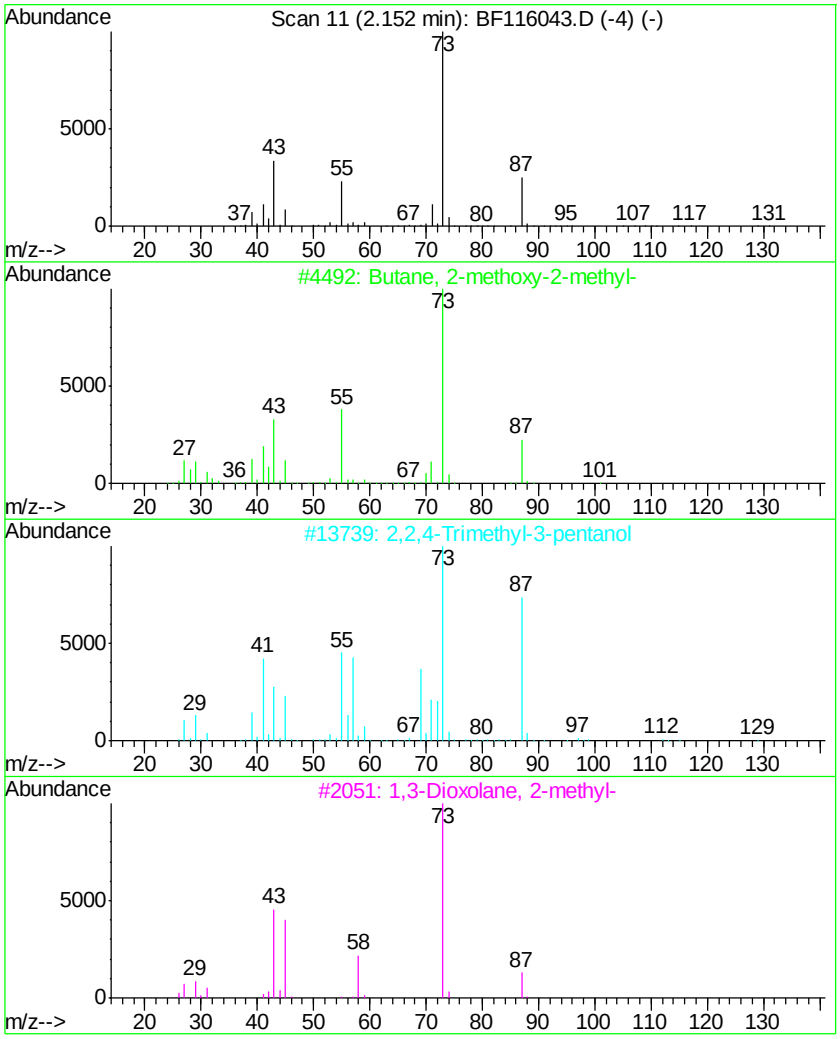
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

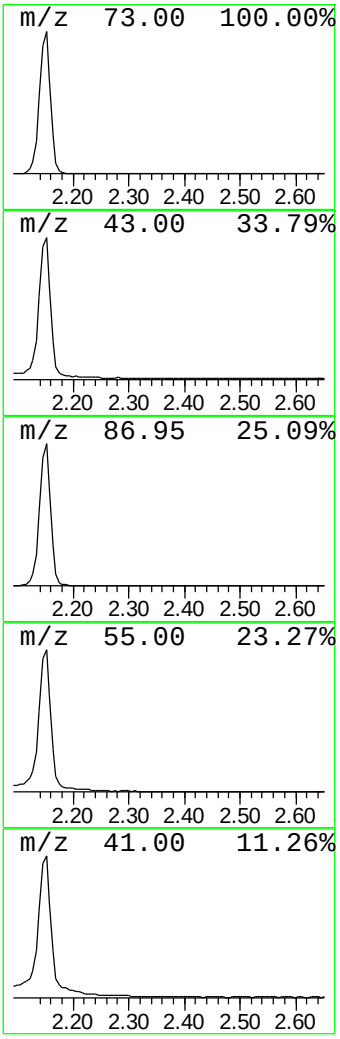
****

Peak Number 1 Butane, 2-methoxy-2-methyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.15	42.64 ng	1799690	1,4-Dichlorobenzene-d4	6.84

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butane, 2-methoxy-2-methyl-	102	C6H14O	000994-05-8	83
2	2,2,4-Trimethyl-3-pentanol	130	C8H18O	005162-48-1	39
3	1,3-Dioxolane, 2-methyl-	88	C4H8O2	000497-26-7	37
4	Pentane, 3-methoxy-	102	C6H14O	036839-67-5	23
5	Silane, tetramethyl-	88	C4H12Si	000075-76-3	17





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF080719\
Data File : BF116043.D
Acq On : 7 Aug 2019 11:54
Operator : HP/JU
Sample : K4152-06
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 2S-H1-H4-COMP-(30)

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

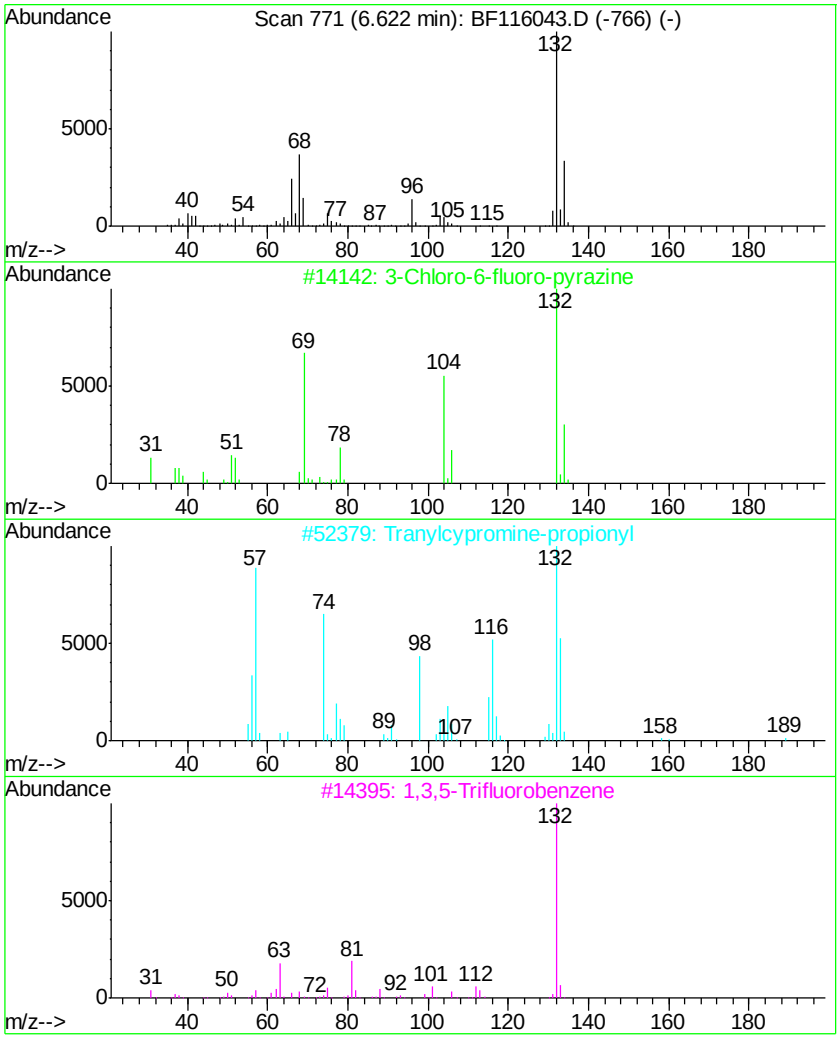
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

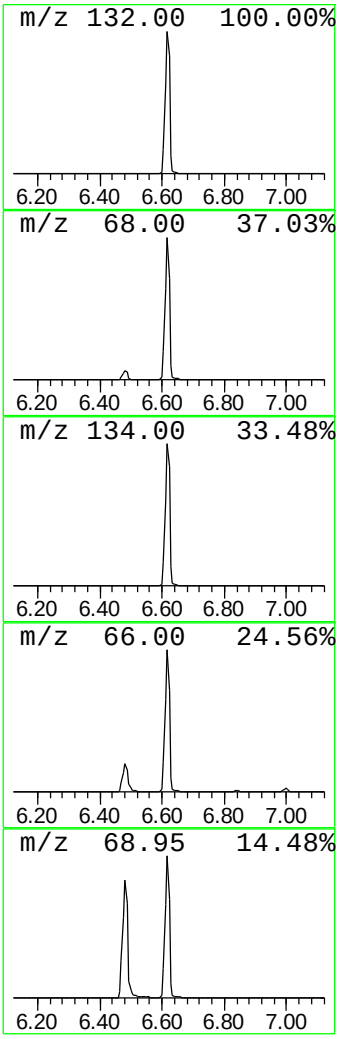
****

Peak Number 2 unknown6.62 Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.62	75.79 ng	3198690	1,4-Dichlorobenzene-d4	6.84

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	27
2	Tranylcypromine-propionyl	189	C12H15NO	1000123-86-3	12
3	1,3,5-Trifluorobenzene	132	C6H3F3	000372-38-3	9
4	Bicyclo[4.2.0]octa-1,3,5-triene,...	132	C10H12	028749-81-7	9
5	Benzene, 1-ethenyl-3,5-dimethyl-	132	C10H12	005379-20-4	9





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF080719\
Data File : BF116043.D
Acq On : 7 Aug 2019 11:54
Operator : HP/JU
Sample : K4152-06
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 2S-H1-H4-COMP-(30)

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

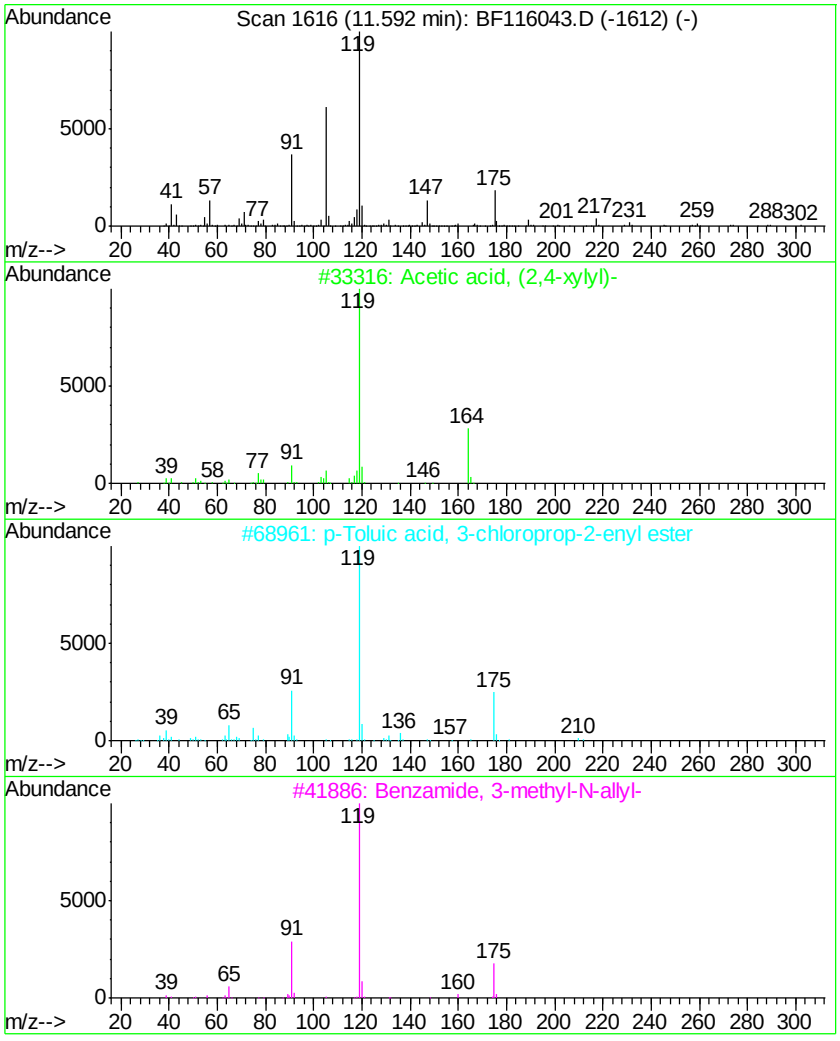
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

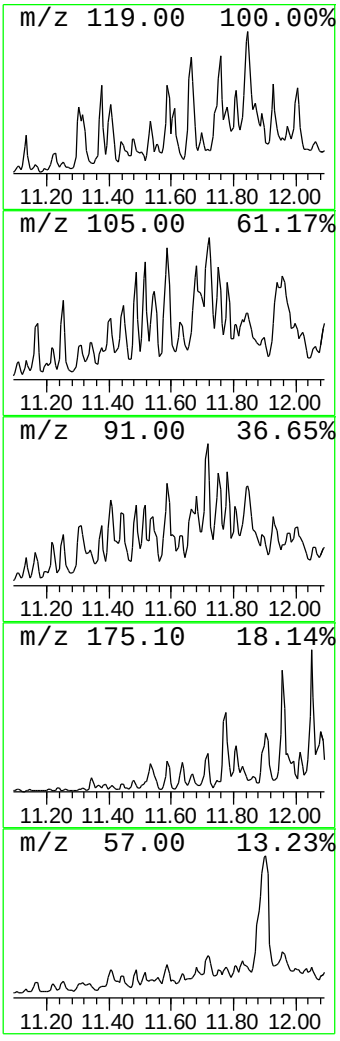
****

Peak Number 4 Acetic acid, (2,4-xylyl)- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.59	7.47 ng	662689	Phenanthrene-d10	11.36

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Acetic acid, (2,4-xylyl)-	164	C10H12O2	006331-04-0	50
2	p-Toluic acid, 3-chloroprop-2-en...	210	C11H11ClO2	1000292-51-0	50
3	Benzamide, 3-methyl-N-allyl-	175	C11H13NO	1000339-09-8	49
4	Silane, trimethyl[(1-methyl-1-ph...	224	C12H20O2Si	018057-16-4	47
5	1-Chloro-2-methyl-2-phenylpropane	168	C10H13Cl	000515-40-2	43





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF080719\
Data File : BF116043.D
Acq On : 7 Aug 2019 11:54
Operator : HP/JU
Sample : K4152-06
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 2S-H1-H4-COMP-(30)

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

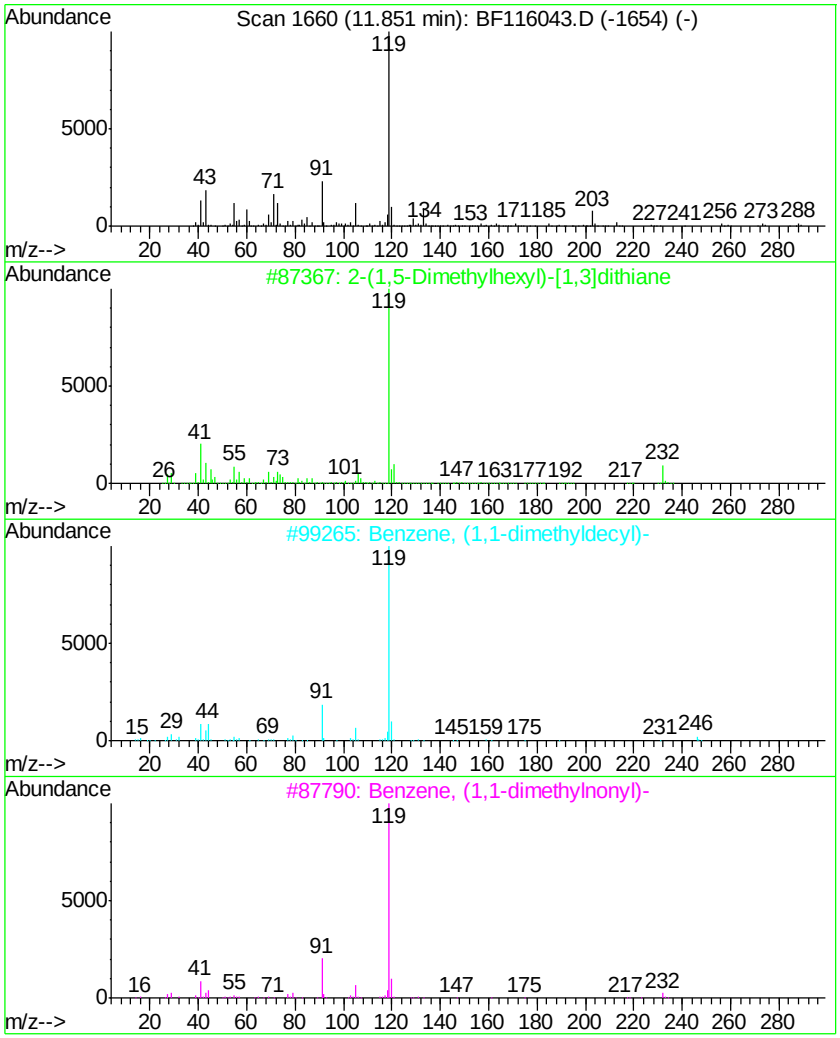
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

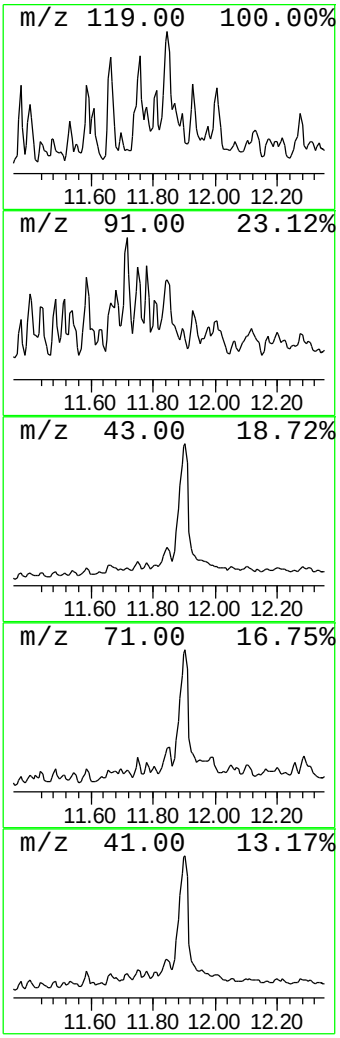
****

Peak Number 5 2-(1,5-Dimethylhexyl)-[1,3]... Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.85	11.80 ng	1046480	Phenanthrene-d10	11.36

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-(1,5-Dimethylhexyl)-[1,3]dithiane	232	C12H24S2	1000191-17-9	59
2	Benzene, (1,1-dimethyldecyl)-	246	C18H30	027854-40-6	53
3	Benzene, (1,1-dimethylnonyl)-	232	C17H28	055191-25-8	53
4	Tridecane, 2-methyl-2-phenyl-	274	C20H34	027854-41-7	53
5	Pentadecane, 2-methyl-2-phenyl-	302	C22H38	029138-94-1	53





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF080719\
Data File : BF116043.D
Acq On : 7 Aug 2019 11:54
Operator : HP/JU
Sample : K4152-06
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 2S-H1-H4-COMP-(30)

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

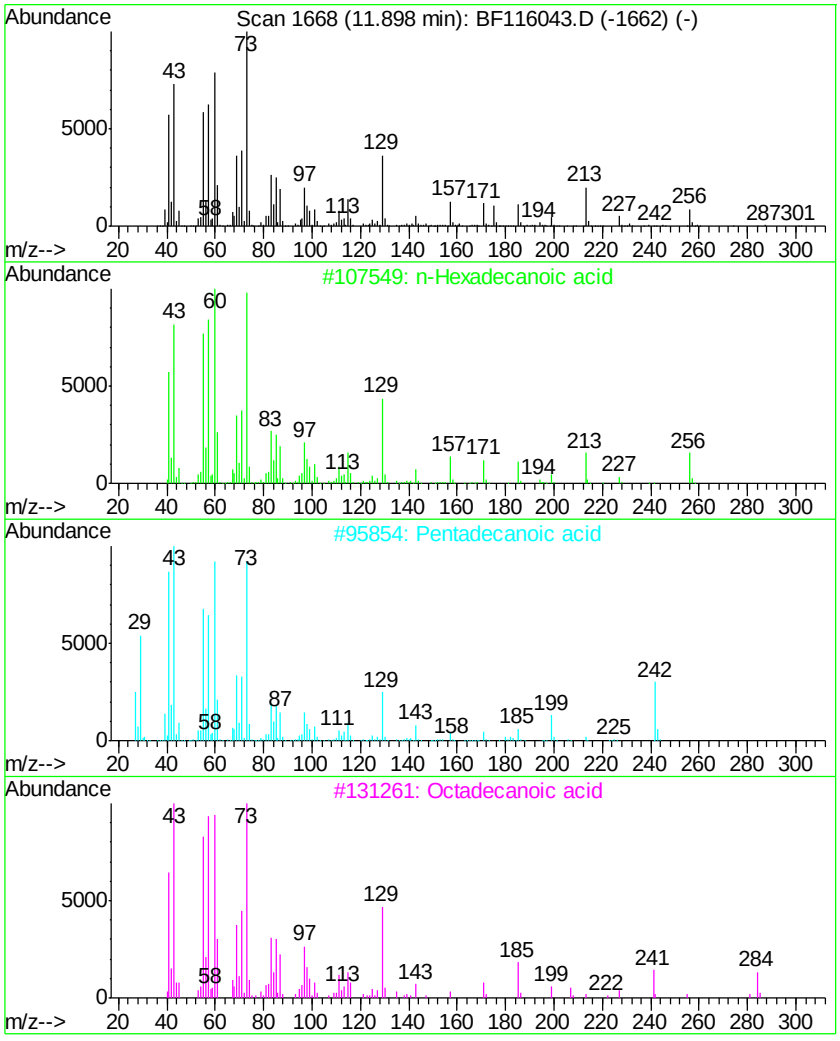
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

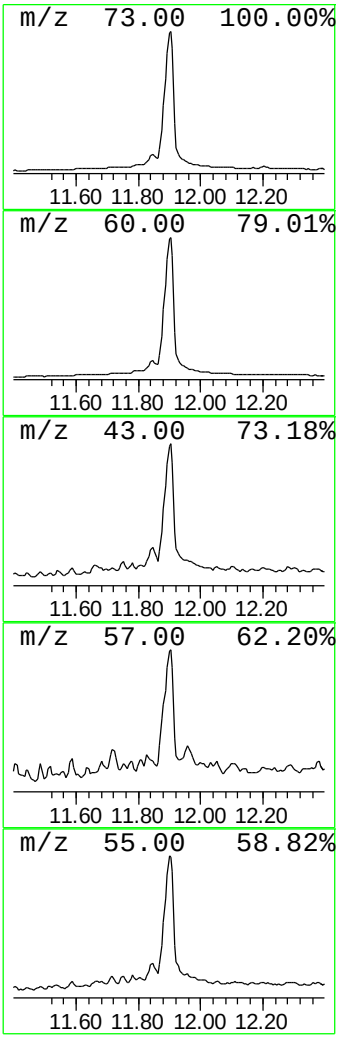
****

Peak Number 6 n-Hexadecanoic acid Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.90	63.34 ng	5617250	Phenanthrene-d10	11.36

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	99
2	Pentadecanoic acid	242	C15H30O2	001002-84-2	91
3	Octadecanoic acid	284	C18H36O2	000057-11-4	87
4	n-Decanoic acid	172	C10H20O2	000334-48-5	76
5	Tetradecanoic acid	228	C14H28O2	000544-63-8	76





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF080719\
Data File : BF116043.D
Acq On : 7 Aug 2019 11:54
Operator : HP/JU
Sample : K4152-06
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 2S-H1-H4-COMP-(30)

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

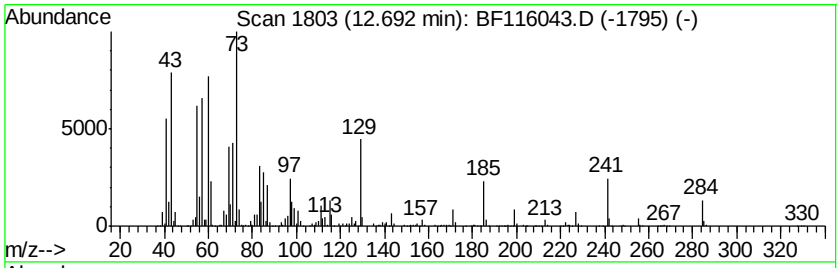
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

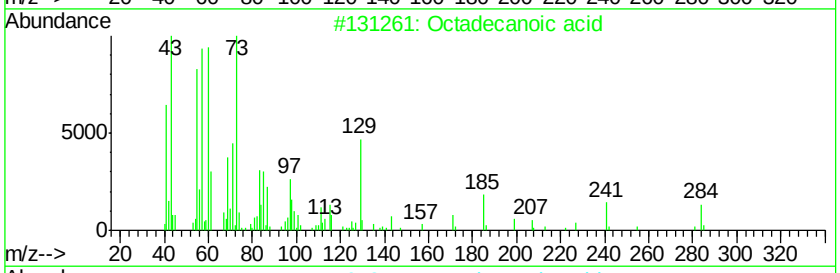
****

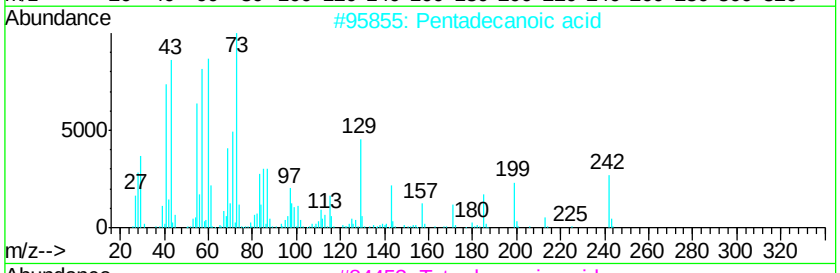
Peak Number 7 Octadecanoic acid Concentration Rank 1

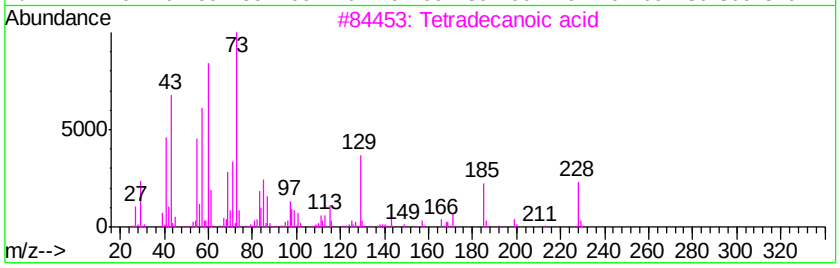
R.T.	EstConc	Area	Relative to ISTD	R.T.
12.69	145.36 ng	6844520	Chrysene-d12	14.00

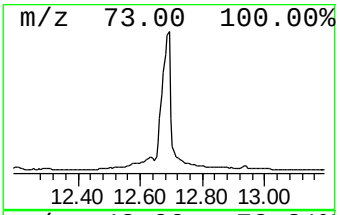
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octadecanoic acid	284	C18H36O2	000057-11-4	99
2	Pentadecanoic acid	242	C15H30O2	001002-84-2	89
3	Tetradecanoic acid	228	C14H28O2	000544-63-8	87
4	Tridecanoic acid	214	C13H26O2	000638-53-9	74
5	n-Decanoic acid	172	C10H20O2	000334-48-5	62

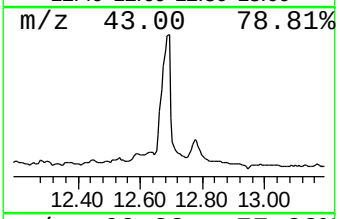


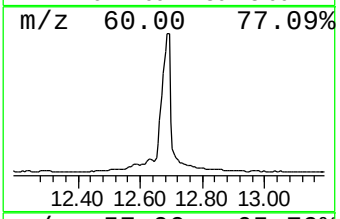


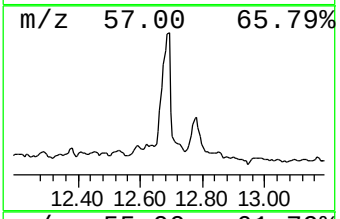


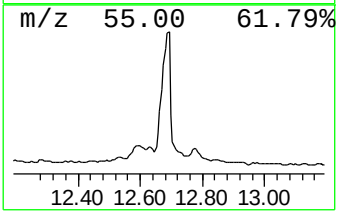












Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF080719\
Data File : BF116043.D
Acq On : 7 Aug 2019 11:54
Operator : HP/JU
Sample : K4152-06
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 2S-H1-H4-COMP-(30)

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

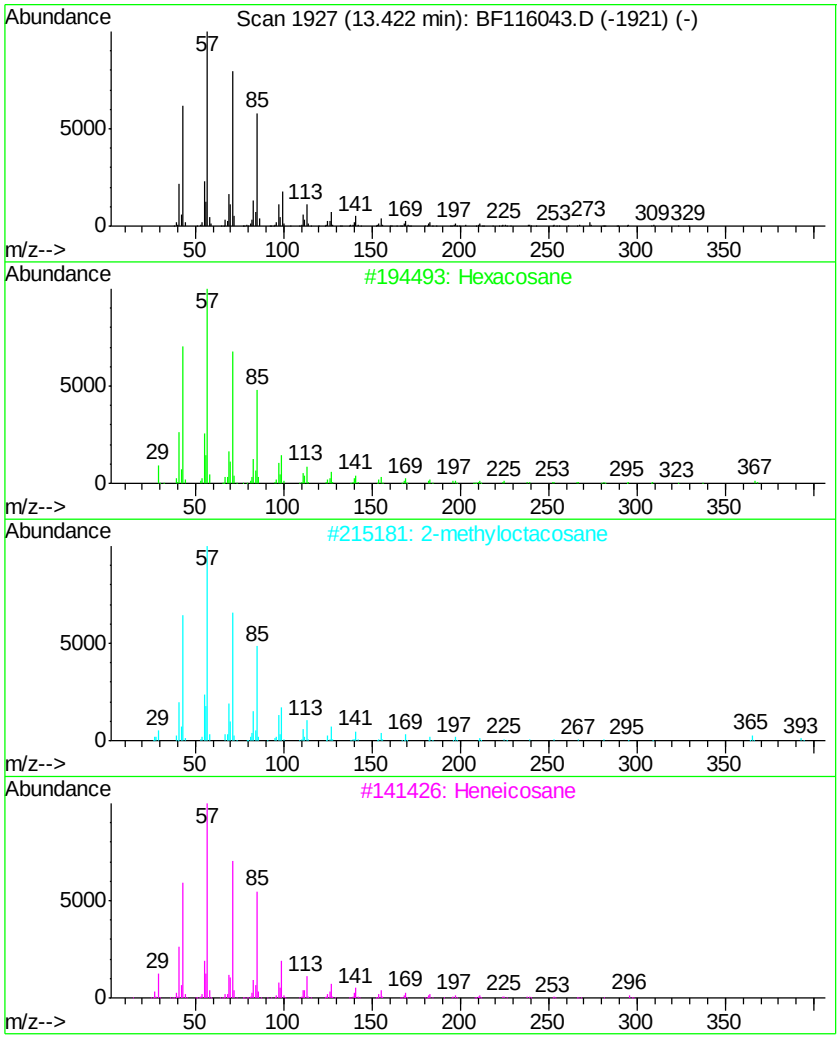
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

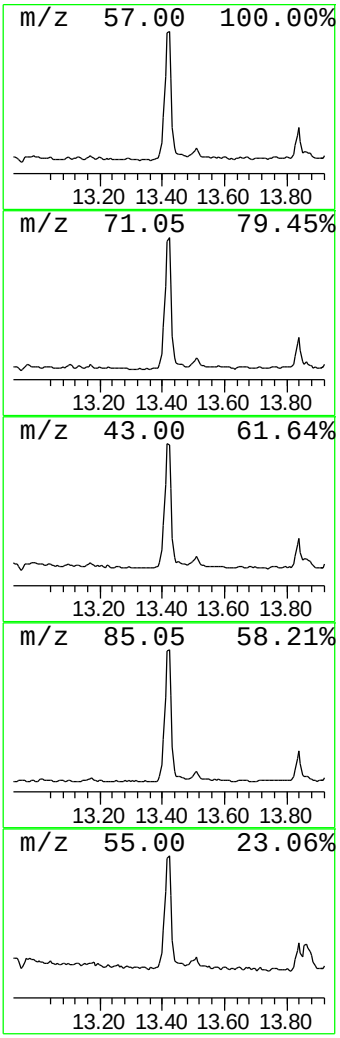
****

Peak Number 8 Hexacosane Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.42	37.20 ng	1751490	Chrysene-d12	14.00

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexacosane	366	C26H54	000630-01-3	91
2	2-methyloctacosane	408	C29H60	1000376-72-8	91
3	Heneicosane	296	C21H44	000629-94-7	91
4	Heptadecane, 9-octyl-	352	C25H52	007225-64-1	91
5	Octadecane	254	C18H38	000593-45-3	90





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF080719\
Data File : BF116043.D
Acq On : 7 Aug 2019 11:54
Operator : HP/JU
Sample : K4152-06
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 2S-H1-H4-COMP-(30)

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

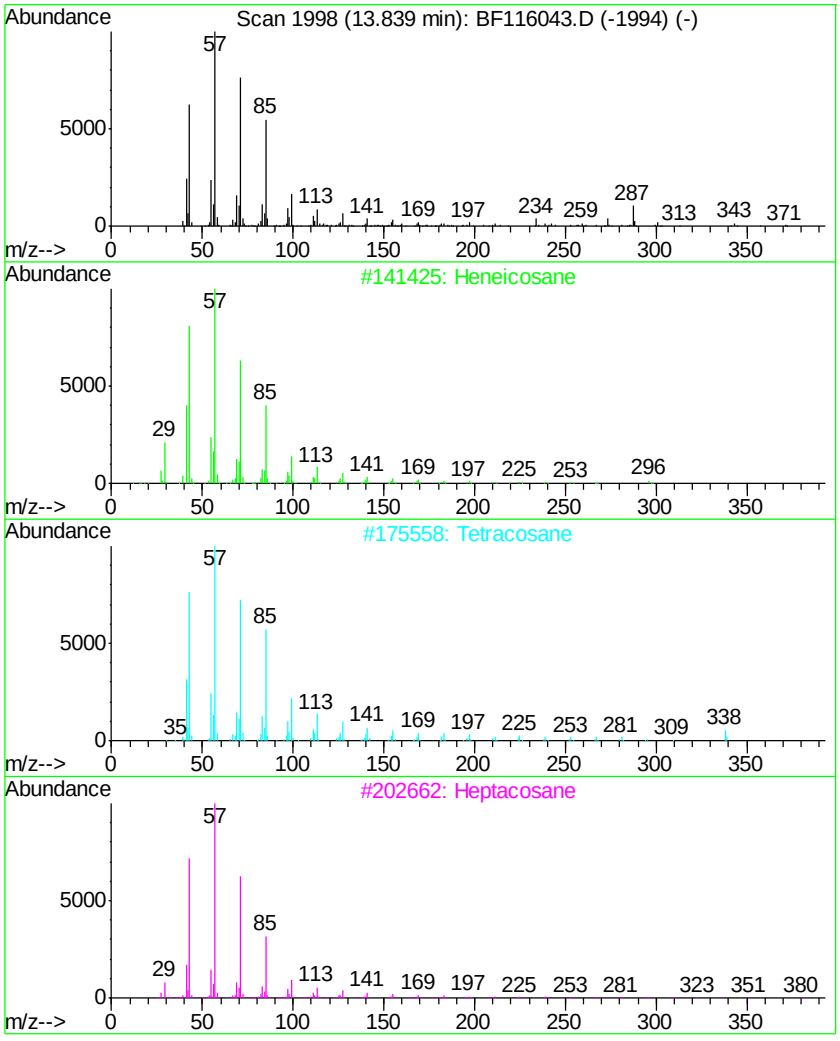
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

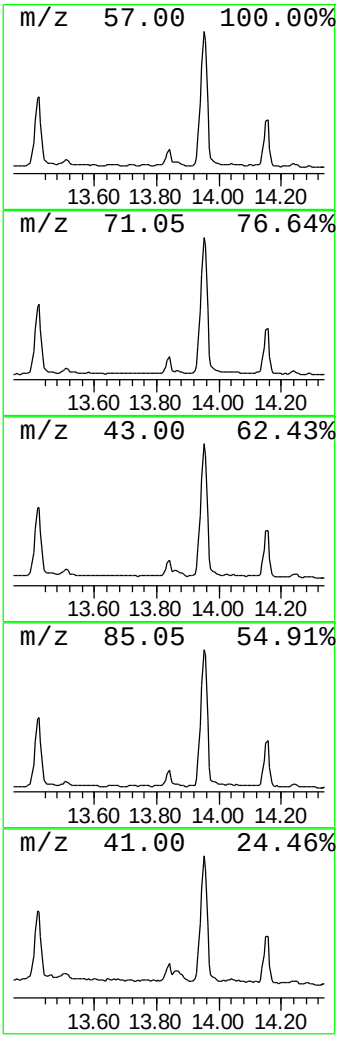
****

Peak Number 9 Octadecane Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.84	7.04 ng	331532	Chrysene-d12	14.00

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heneicosane	296	C21H44	000629-94-7	83
2	Tetracosane	338	C24H50	000646-31-1	83
3	Heptacosane	380	C27H56	000593-49-7	76
4	Octadecane	254	C18H38	000593-45-3	74
5	Heptadecane, 2,6,10,15-tetramethyl-	296	C21H44	054833-48-6	72





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF080719\
Data File : BF116043.D
Acq On : 7 Aug 2019 11:54
Operator : HP/JU
Sample : K4152-06
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 2S-H1-H4-COMP-(30)

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

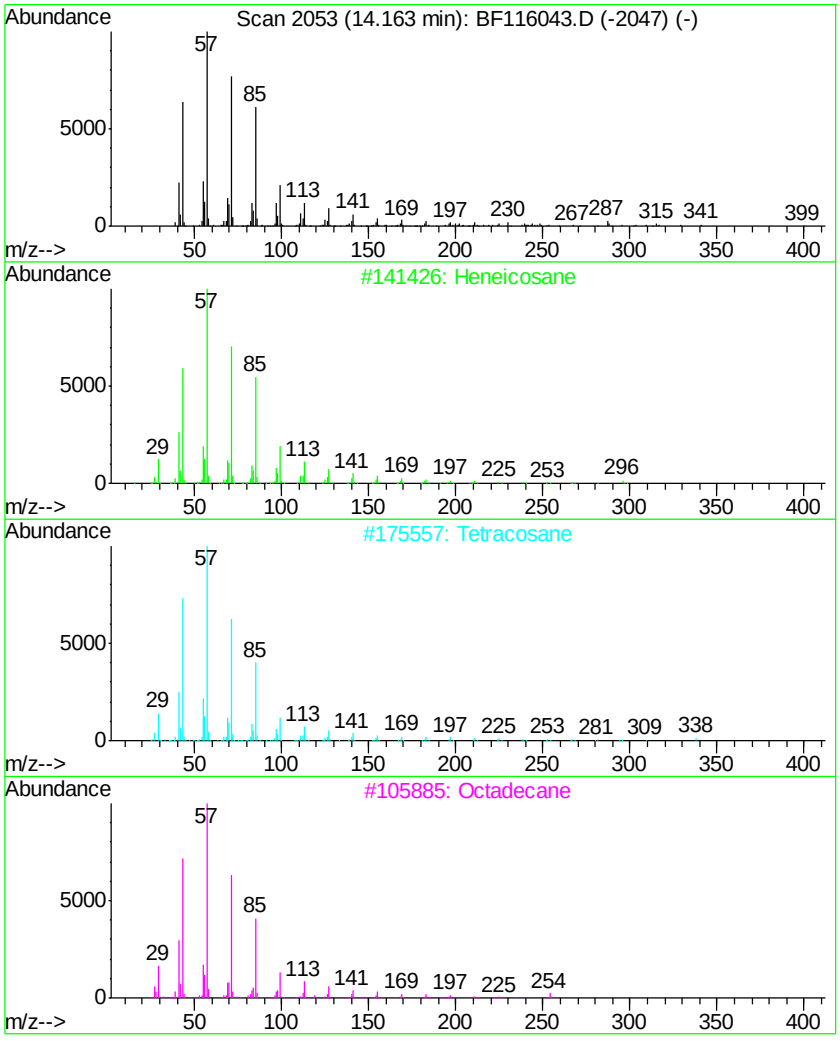
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

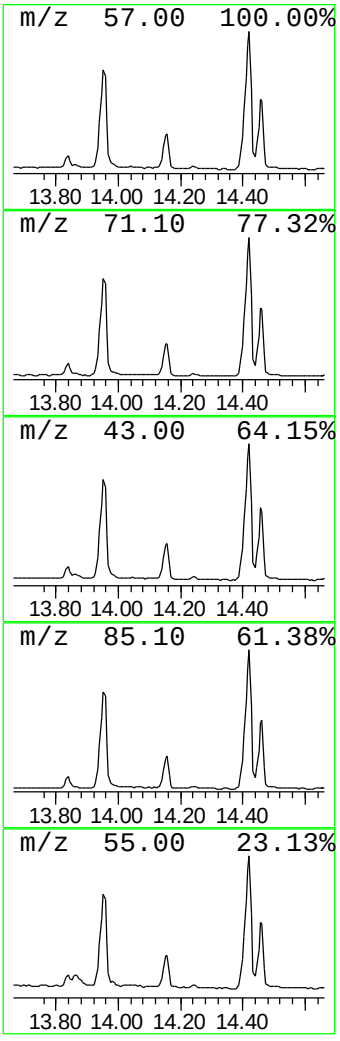
****

Peak Number 10 Heneicosane Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.16	21.20 ng	998390	Chrysene-d12	14.00

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	Octadecane	254	C18H38	000593-45-3	90
4	Eicosane, 7-hexyl-	366	C26H54	055333-99-8	90
5	Octacosane	394	C28H58	000630-02-4	87





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF080719\
Data File : BF116043.D
Acq On : 7 Aug 2019 11:54
Operator : HP/JU
Sample : K4152-06
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 2S-H1-H4-COMP-(30)

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

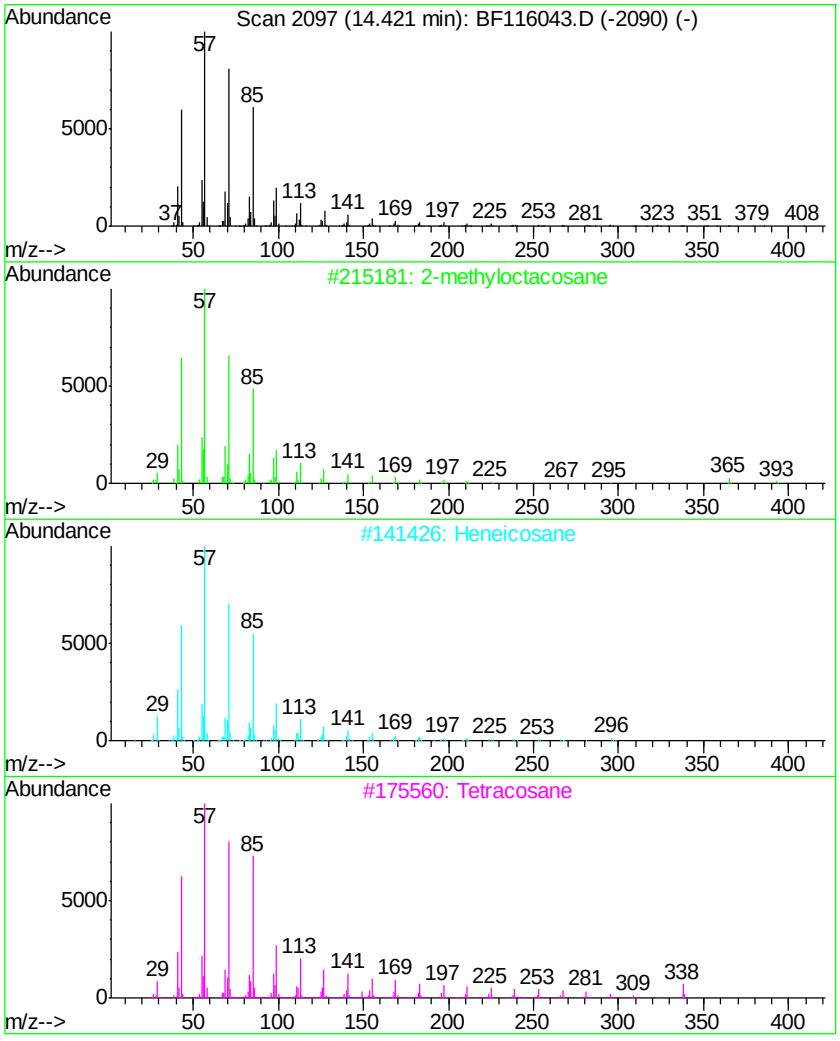
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

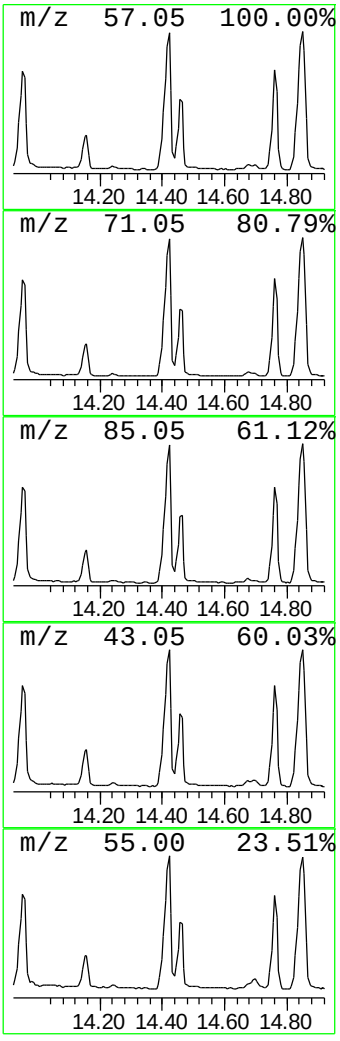
****

Peak Number 11 2-methyloctacosane Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.42	105.98 ng	4990100	Chrysene-d12	14.00

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-methyloctacosane	408	C29H60	1000376-72-8	91
2	Heneicosane	296	C21H44	000629-94-7	91
3	Tetracosane	338	C24H50	000646-31-1	91
4	Hexacosane	366	C26H54	000630-01-3	90
5	Pentadecane, 8-hexyl-	296	C21H44	013475-75-7	90





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF080719\
Data File : BF116043.D
Acq On : 7 Aug 2019 11:54
Operator : HP/JU
Sample : K4152-06
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 2S-H1-H4-COMP-(30)

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

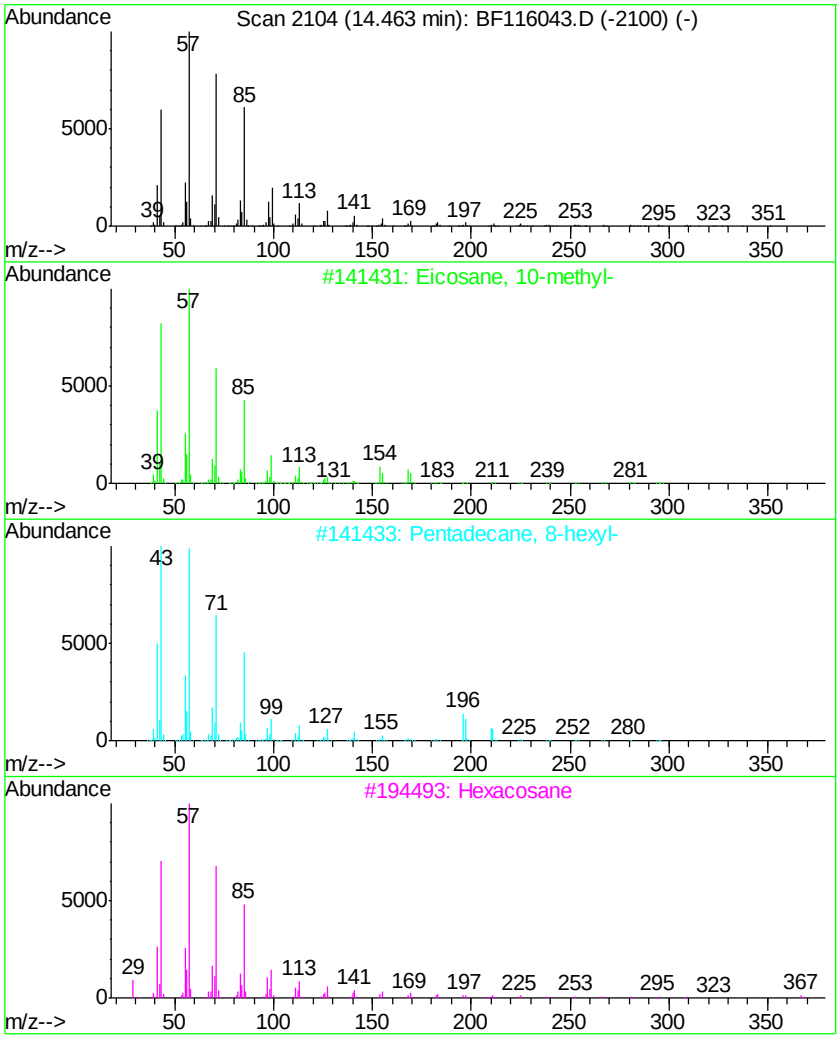
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

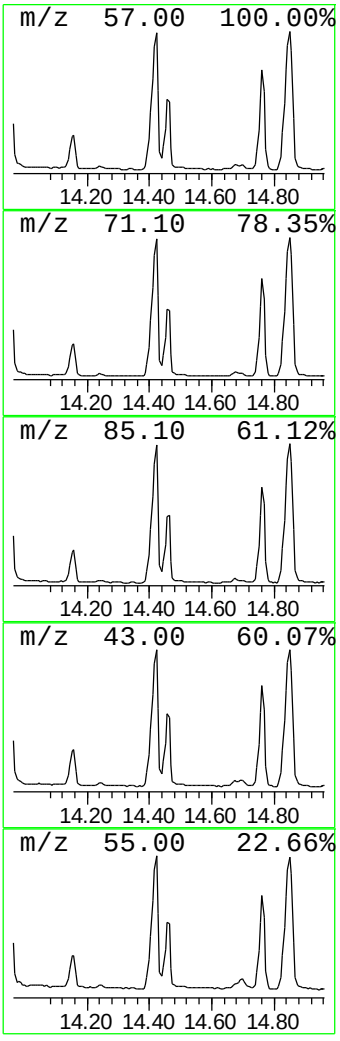
****

Peak Number 12 Eicosane, 10-methyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.46	39.92 ng	1879820	Chrysene-d12	14.00

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Eicosane, 10-methyl-	296	C21H44	054833-23-7	93
2	Pentadecane, 8-hexyl-	296	C21H44	013475-75-7	93
3	Hexacosane	366	C26H54	000630-01-3	91
4	2-methyloctacosane	408	C29H60	1000376-72-8	91
5	Heneicosane	296	C21H44	000629-94-7	91





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF080719\
Data File : BF116043.D
Acq On : 7 Aug 2019 11:54
Operator : HP/JU
Sample : K4152-06
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 2S-H1-H4-COMP-(30)

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

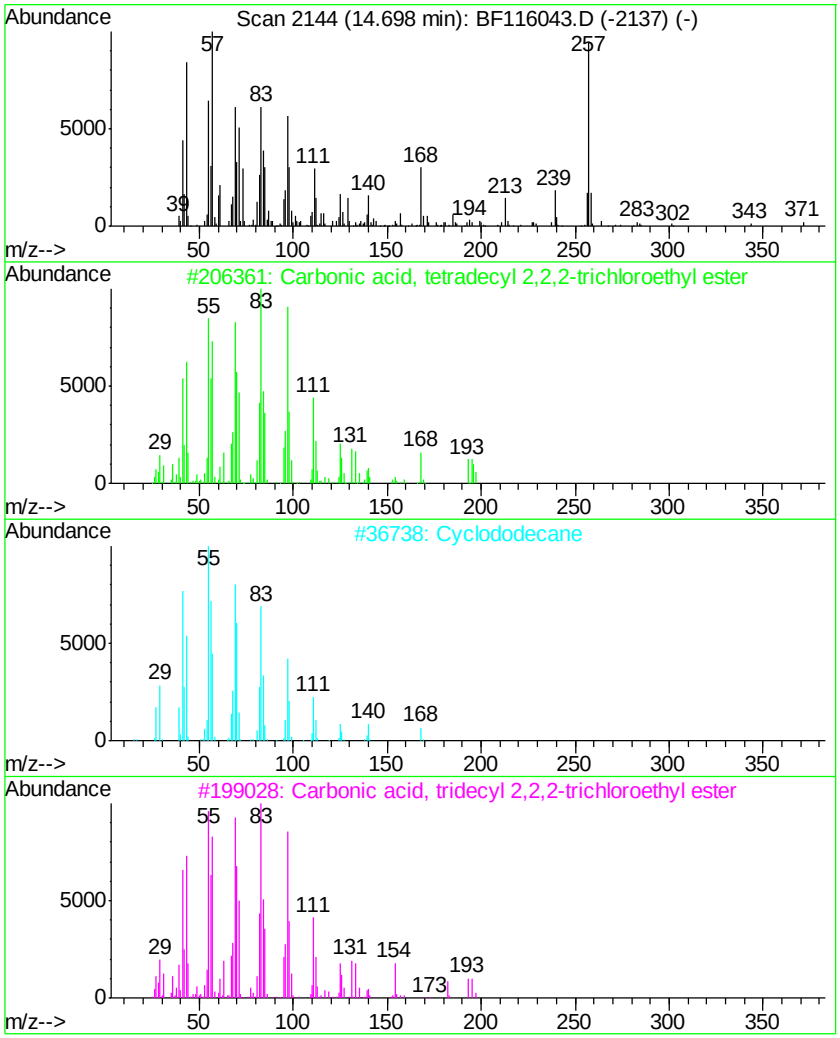
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

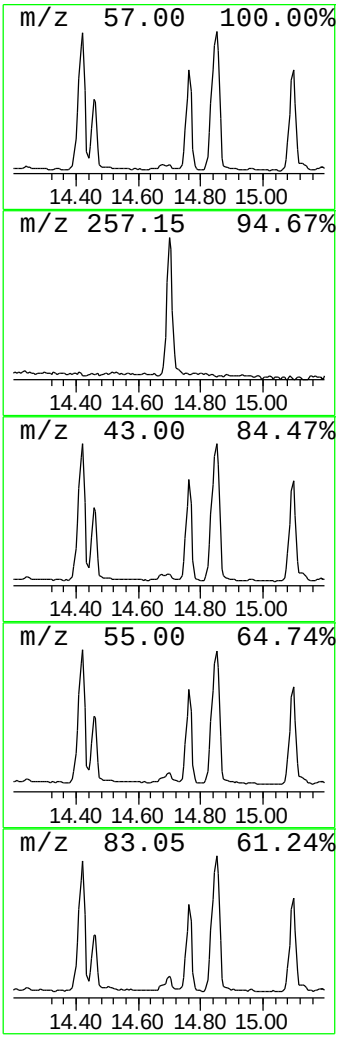
****

Peak Number 13 Carbonic acid, tetradecyl 2... Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.70	9.67 ng	455153	Chrysene-d12	14.00

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Carbonic acid, tetradecyl 2,2,2-...	388	C17H31Cl3O3	1000314-56-0	78
2	Cyclododecane	168	C12H24	000294-62-2	64
3	Carbonic acid, tridecyl 2,2,2-tr...	374	C16H29Cl3O3	1000314-55-9	55
4	Pentafluoropropionic acid, tetra...	360	C17H29F5O2	006222-06-6	50
5	Dichloroacetic acid, heptadecyl ...	366	C19H36Cl2O2	1000282-98-2	46





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF080719\
Data File : BF116043.D
Acq On : 7 Aug 2019 11:54
Operator : HP/JU
Sample : K4152-06
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 2S-H1-H4-COMP-(30)

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

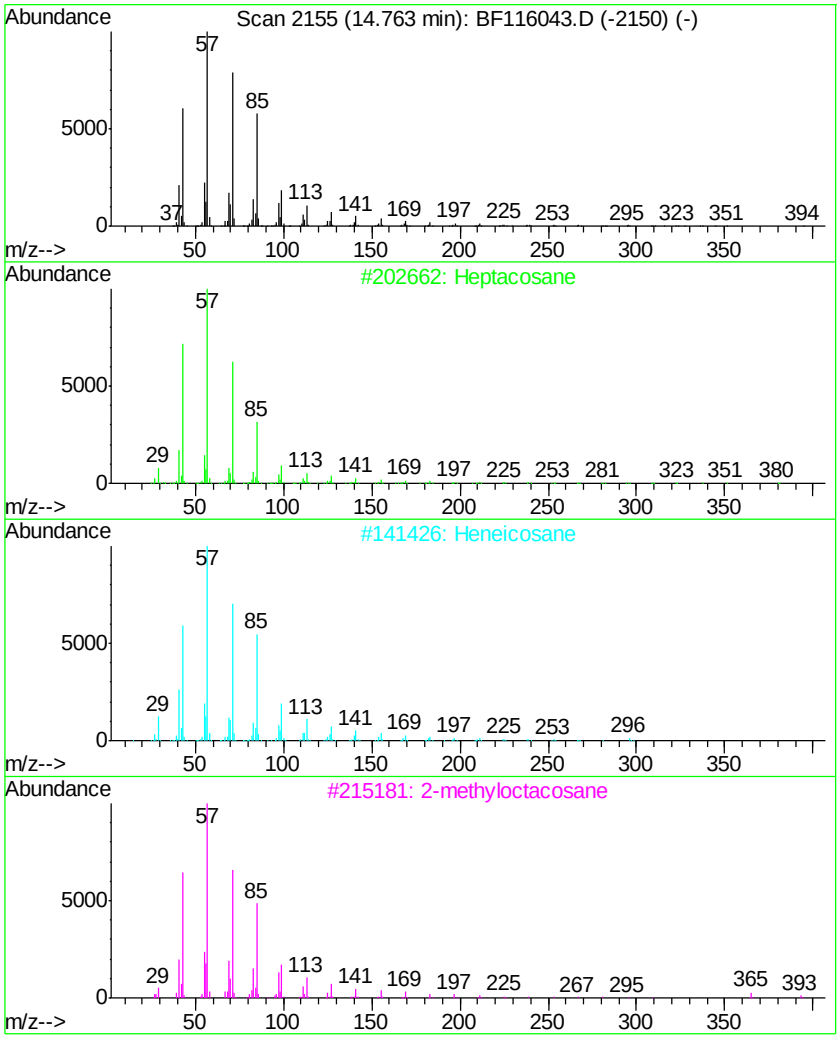
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

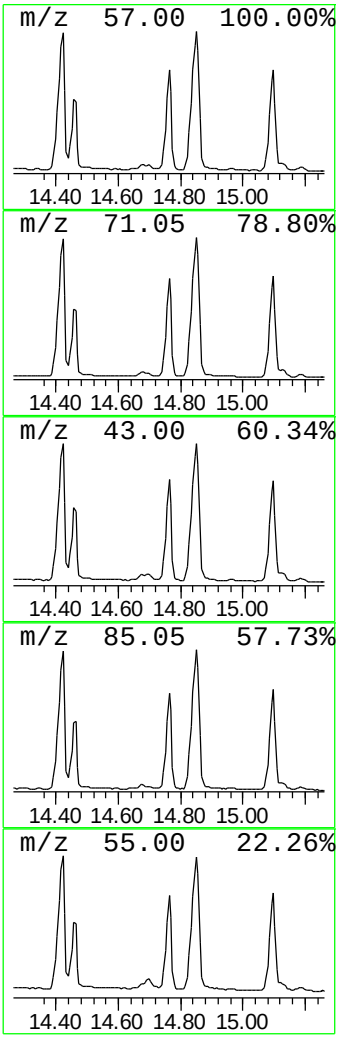
****

Peak Number 14 Heptacosane Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.76	15.19 ng	3004370	Perylene-d12	15.47

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptacosane	380	C27H56	000593-49-7	91
2	Heneicosane	296	C21H44	000629-94-7	91
3	2-methyloctacosane	408	C29H60	1000376-72-8	91
4	Hexacosane	366	C26H54	000630-01-3	91
5	Tetracosane	338	C24H50	000646-31-1	90





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF080719\
Data File : BF116043.D
Acq On : 7 Aug 2019 11:54
Operator : HP/JU
Sample : K4152-06
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 2S-H1-H4-COMP-(30)

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

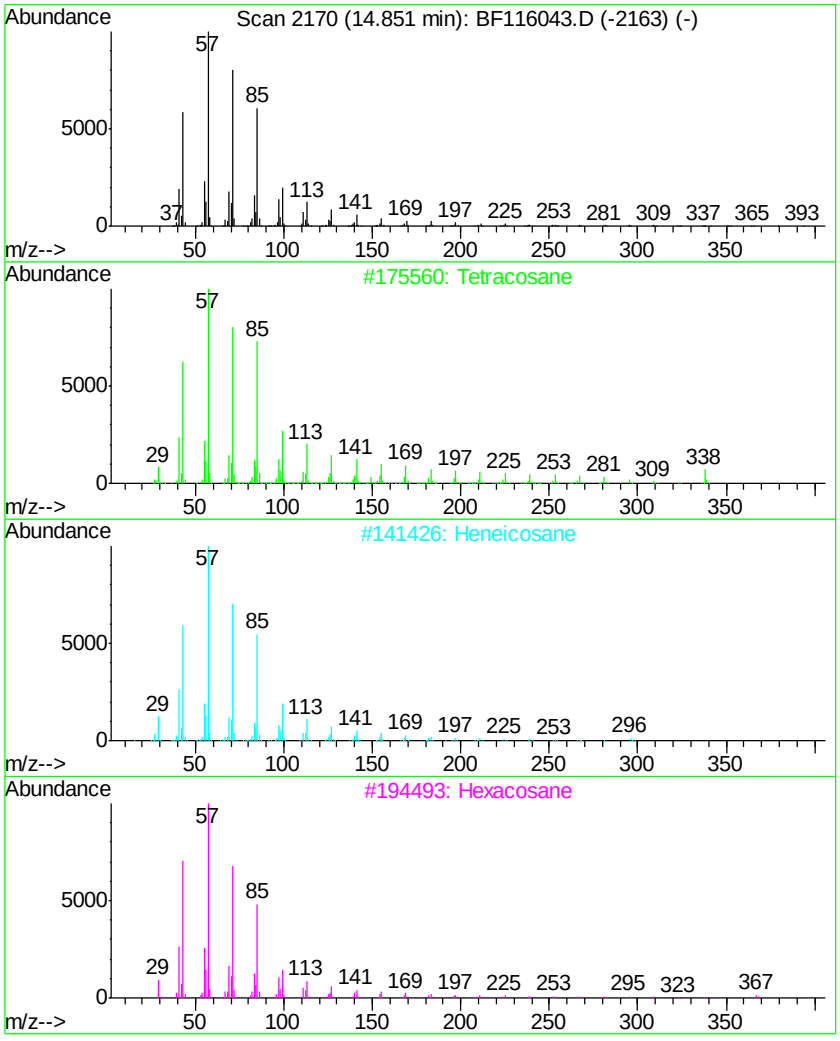
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

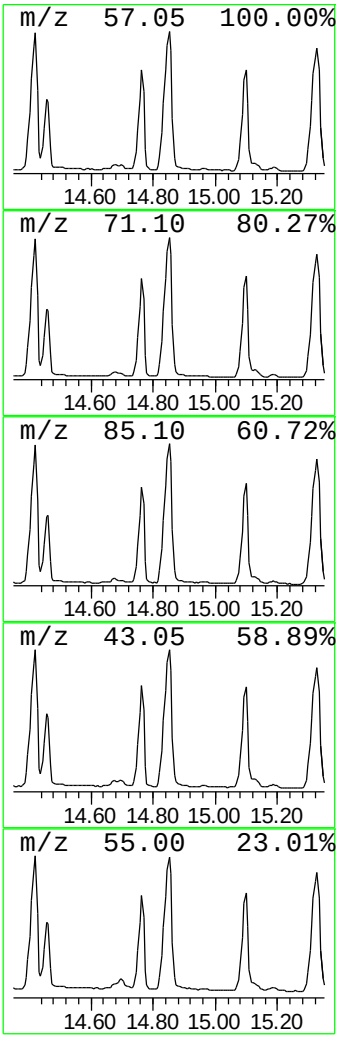
****

Peak Number 15 Tetracosane Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.85	31.33 ng	6198160	Perylene-d12	15.47

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tetracosane	338	C24H50	000646-31-1	94
2	Heneicosane	296	C21H44	000629-94-7	91
3	Hexacosane	366	C26H54	000630-01-3	91
4	2-methyloctacosane	408	C29H60	1000376-72-8	91
5	Heptadecane, 9-octyl-	352	C25H52	007225-64-1	91





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF080719\
Data File : BF116043.D
Acq On : 7 Aug 2019 11:54
Operator : HP/JU
Sample : K4152-06
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 2S-H1-H4-COMP-(30)

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

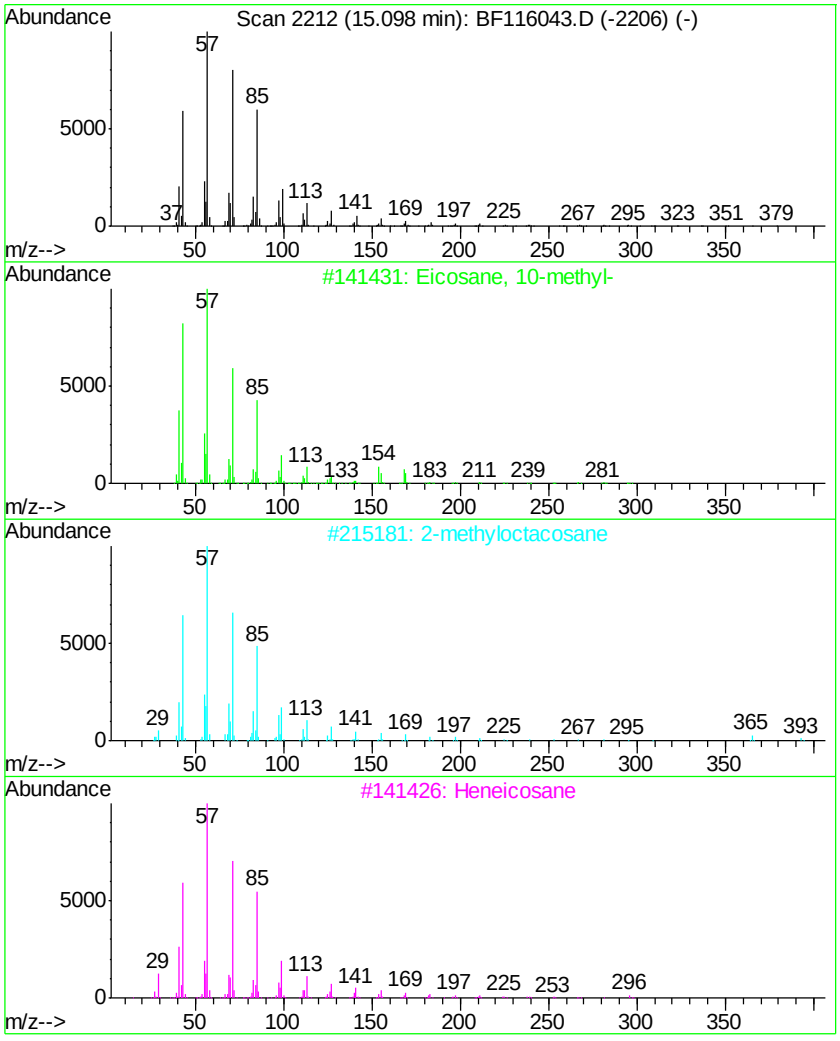
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

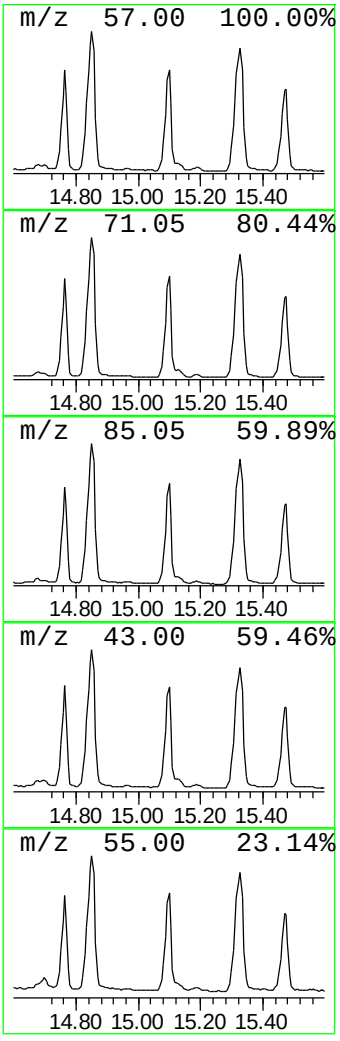
****

Peak Number 16 Pentadecane, 8-hexyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.10	16.71 ng	3306580	Perylene-d12	15.47

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Eicosane, 10-methyl-	296	C21H44	054833-23-7	93
2	2-methyloctacosane	408	C29H60	1000376-72-8	91
3	Heneicosane	296	C21H44	000629-94-7	91
4	Heptadecane, 9-octyl-	352	C25H52	007225-64-1	91
5	Pentadecane, 8-hexyl-	296	C21H44	013475-75-7	90





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF080719\
Data File : BF116043.D
Acq On : 7 Aug 2019 11:54
Operator : HP/JU
Sample : K4152-06
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 2S-H1-H4-COMP-(30)

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

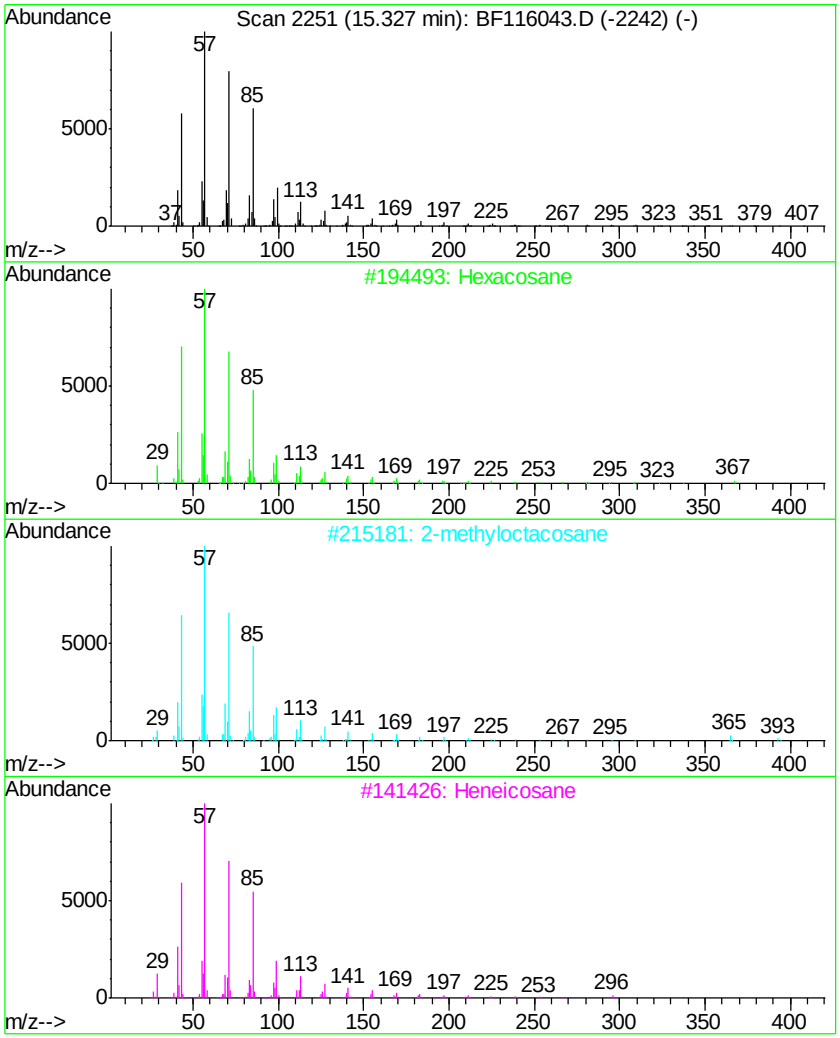
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

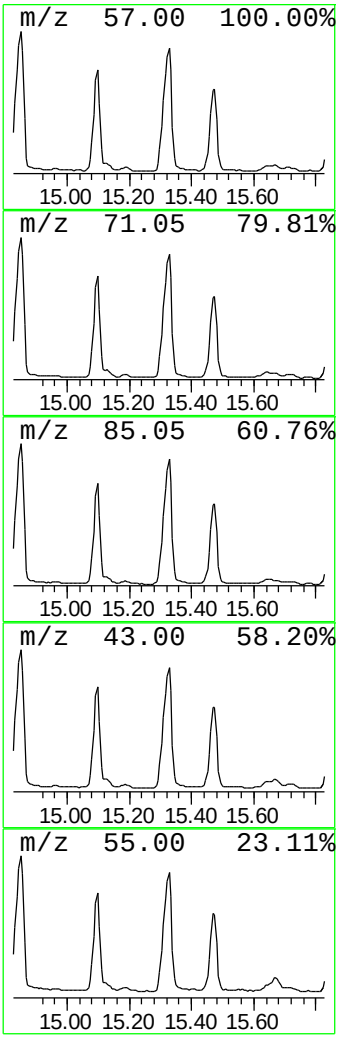
****

Peak Number 17 Eicosane, 7-hexyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.33	30.91 ng	6114780	Perylene-d12	15.47

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexacosane	366	C26H54	000630-01-3	91
2	2-methyloctacosane	408	C29H60	1000376-72-8	91
3	Heneicosane	296	C21H44	000629-94-7	91
4	Eicosane, 7-hexyl-	366	C26H54	055333-99-8	90
5	Heptadecane	240	C17H36	000629-78-7	87





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF080719\
Data File : BF116043.D
Acq On : 7 Aug 2019 11:54
Operator : HP/JU
Sample : K4152-06
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 2S-H1-H4-COMP-(30)

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

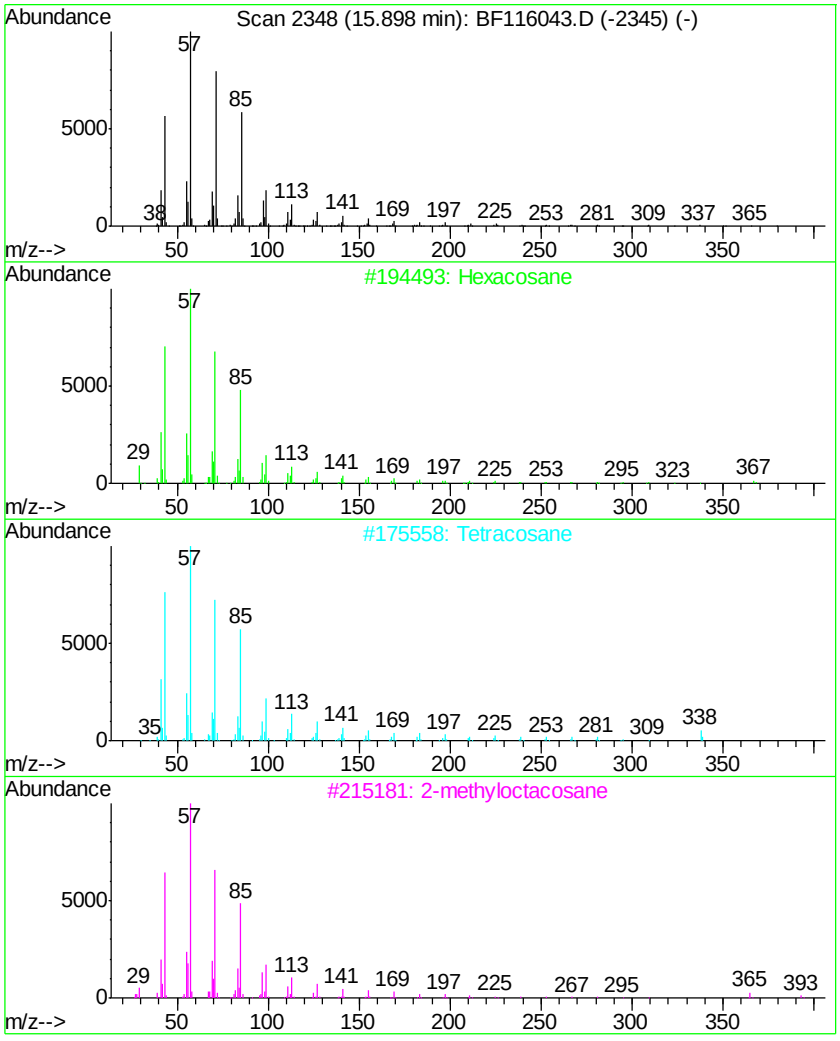
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

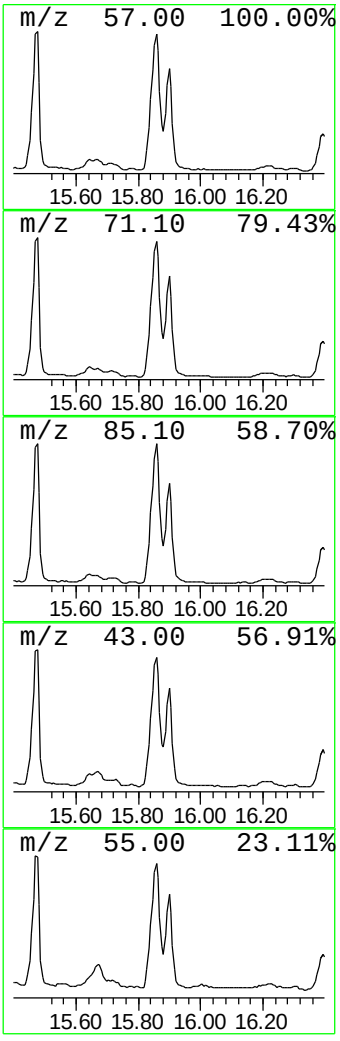
****

Peak Number 19 Heptadecane, 9-octyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.90	10.90 ng	2156300	Perylene-d12	15.47

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexacosane	366	C26H54	000630-01-3	91
2	Tetracosane	338	C24H50	000646-31-1	91
3	2-methyloctacosane	408	C29H60	1000376-72-8	91
4	Heneicosane	296	C21H44	000629-94-7	91
5	Heptadecane, 9-octyl-	352	C25H52	007225-64-1	91





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF080719\
Data File : BF116043.D
Acq On : 7 Aug 2019 11:54
Operator : HP/JU
Sample : K4152-06
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 2S-H1-H4-COMP-(30)

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

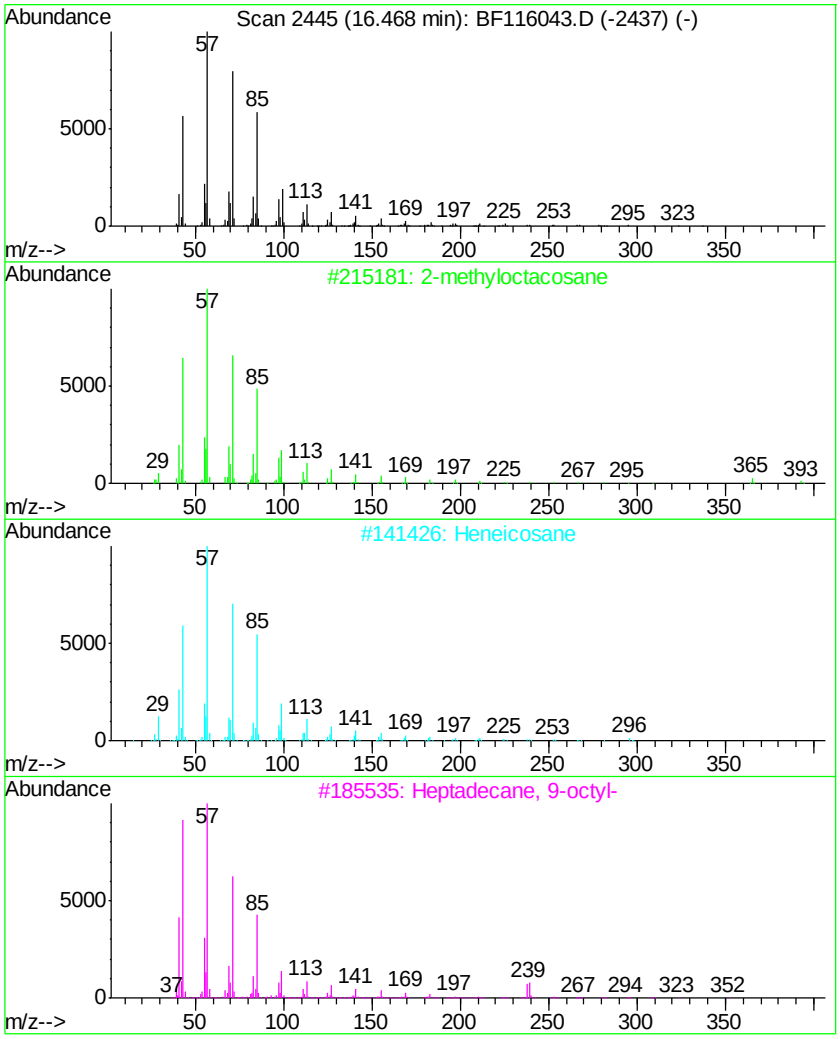
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

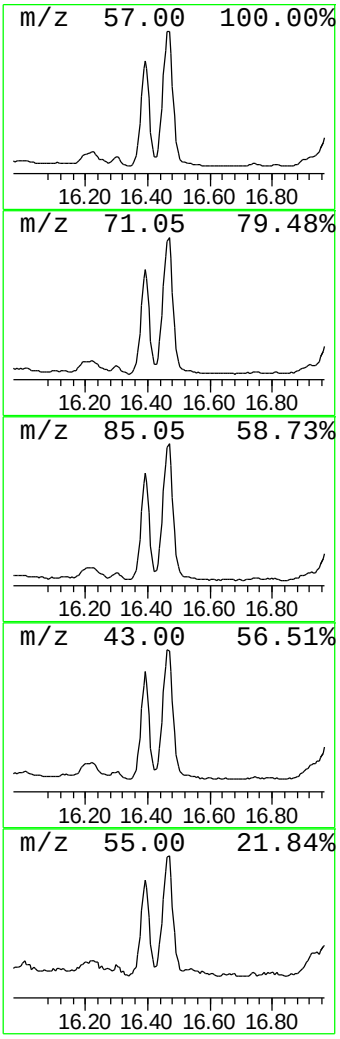
****

Peak Number 20 Docosane, 11-butyl- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.47	8.02 ng	1587080	Perylene-d12	15.47

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-methyloctacosane	408	C29H60	1000376-72-8	91
2	Heneicosane	296	C21H44	000629-94-7	91
3	Heptadecane, 9-octyl-	352	C25H52	007225-64-1	91
4	Docosane, 11-butyl-	366	C26H54	013475-76-8	91
5	Hexacosane	366	C26H54	000630-01-3	90





Tentatively Identified Compound (LSC) summary

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF080719\
Data File : BF116043.D
Acq On : 7 Aug 2019 11:54
Operator : HP/JU
Sample : K4152-06
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 2S-H1-H4-COMP-(30)

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

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
Butane, 2-methoxy...	2.15	42.6	ng	1799690	1	6.84	844144	20.0
unknown6.62	6.62	75.8	ng	3198690	1	6.84	844144	20.0
Acetic acid, (2,4...	11.59	7.5	ng	662689	4	11.36	1773780	20.0
2-(1,5-Dimethylhe...	11.85	11.8	ng	1046480	4	11.36	1773780	20.0
n-Hexadecanoic acid	11.90	63.3	ng	5617250	4	11.36	1773780	20.0
Octadecanoic acid	12.69	145.4	ng	6844520	5	14.00	941754	20.0
Hexacosane	13.42	37.2	ng	1751490	5	14.00	941754	20.0
Octadecane	13.84	7.0	ng	331532	5	14.00	941754	20.0
Heneicosane	14.16	21.2	ng	998390	5	14.00	941754	20.0
2-methyloctacosane	14.42	106.0	ng	4990100	5	14.00	941754	20.0
Eicosane, 10-methyl-	14.46	39.9	ng	1879820	5	14.00	941754	20.0
Carbonic acid, te...	14.70	9.7	ng	455153	5	14.00	941754	20.0
Heptacosane	14.76	15.2	ng	3004370	6	15.47	3956680	20.0
Tetracosane	14.85	31.3	ng	6198160	6	15.47	3956680	20.0
Pentadecane, 8-he...	15.10	16.7	ng	3306580	6	15.47	3956680	20.0
Eicosane, 7-hexyl-	15.33	30.9	ng	6114780	6	15.47	3956680	20.0
Heptadecane, 9-oc...	15.90	10.9	ng	2156300	6	15.47	3956680	20.0
Docosane, 11-butyl-	16.47	8.0	ng	1587080	6	15.47	3956680	20.0