LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF081019\
Data File : BF116157.D
Acq On : 10 Aug 2019 19:01
Operator : HP/JU
Sample : K4294-10
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : RT-3860

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	2.116	3	5	21	rVB	1068231	1123993	32.75%	3.593%
2	5.463	570	574	603	rBV	2388274	2700753	78.70%	8.633%
3	5.681	608	611	620	rVB	43304	50933	1.48%	0.163%
4	6.475	742	746	765	rBV	2474659	2906997	84.71%	9.292%
5	6.610	765	769	784	rVB	2967483	2866346	83.53%	9.162%
6	6.839	804	808	817	rBV	908238	820787	23.92%	2.624%
7	6.992	830	834	851	rBV	2407913	2352567	68.55%	7.520%
8	7.398	899	903	917	rBV	1755021	1829494	53.31%	5.848%
9	8.116	1022	1025	1049	rVB	1004113	1064654	31.02%	3.403%
10	9.192	1204	1208	1220	rBV	3605260	3431720	100.00%	10.969%
11	9.586	1272	1275	1284	rVB	281620	295141	8.60%	0.943%
12	9.869	1320	1323	1338	rVB	1266543	1207612	35.19%	3.860%
13	10.663	1454	1458	1474	rBV	1625937	1757585	51.22%	5.618%
14	10.786	1474	1479	1485	rVB3	40928	67060	1.95%	0.214%
15	10.986	1507	1513	1516	rBV2	75767	91092	2.65%	0.291%
16	11.245	1554	1557	1563	rVB3	36713	49790	1.45%	0.159%
17	11.357	1572	1576	1579	rBV	1162155	1087805	31.70%	3.477%
18	11.380	1579	1580	1586	rVB	208442	164453	4.79%	0.526%
19	11.863	1659	1662	1663	rBV	43775	36085	1.05%	0.115%
20	11.892	1663	1667	1673	rVB3	68048	106112	3.09%	0.339%
21	11.968	1678	1680	1683	rVV2	56378	67583	1.97%	0.216%
22	11.998	1683	1685	1691	rVB	39013	42865	1.25%	0.137%
23	12.410	1752	1755	1758	rBV	45448	42147	1.23%	0.135%
24	12.574	1780	1783	1788	rBV	246089	227878	6.64%	0.728%
25	12.804	1817	1822	1828	rBV	224648	254844	7.43%	0.815%
26	12.939	1841	1845	1848	rBV	3167806	2839717	82.75%	9.077%
27	13.021	1856	1859	1865	rVB3	22826	38851	1.13%	0.124%
28	13.651	1964	1966	1972	rVB	31930	34919	1.02%	0.112%
29	13.792	1987	1990	1994	rVB	465107	378990	11.04%	1.211%
30	13.857	1994	2001	2011	rBV7	113073	317572	9.25%	1.015%
31	14.004	2021	2026	2029	rBV	848476	933640	27.21%	2.984%
32	14.121	2043	2046	2049	rBV	217088	189504	5.52%	0.606%
33	14.162	2049	2053	2055	rVV	298394	303303	8.84%	0.970%
34	14.186	2055	2057	2059	rVV	98839	88724	2.59%	0.284%

LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF081019\
Data File : BF116157.D
Acq On : 10 Aug 2019 19:01
Operator : HP/JU
Sample : K4294-10
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : RT-3860

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	14.209	2059	2061	2064	rVB	104901	91068	2.65%	0.291%
36	14.451	2099	2102	2107	rVB3	56117	56083	1.63%	0.179%
37	14.504	2108	2111	2115	rVB2	56138	67328	1.96%	0.215%
38	15.045	2200	2203	2206	rBV	57043	82999	2.42%	0.265%
39	15.086	2207	2210	2215	rVB2	99519	122858	3.58%	0.393%
40	15.345	2252	2254	2258	rVB	36445	43129	1.26%	0.138%
41	15.468	2270	2275	2283	rVB	603358	830055	24.19%	2.653%
42	15.886	2342	2346	2351	rBV	74901	107190	3.12%	0.343%
43	16.962	2525	2529	2538	rVB	53187	112221	3.27%	0.359%

Sum of corrected areas: 31284447

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF081019\
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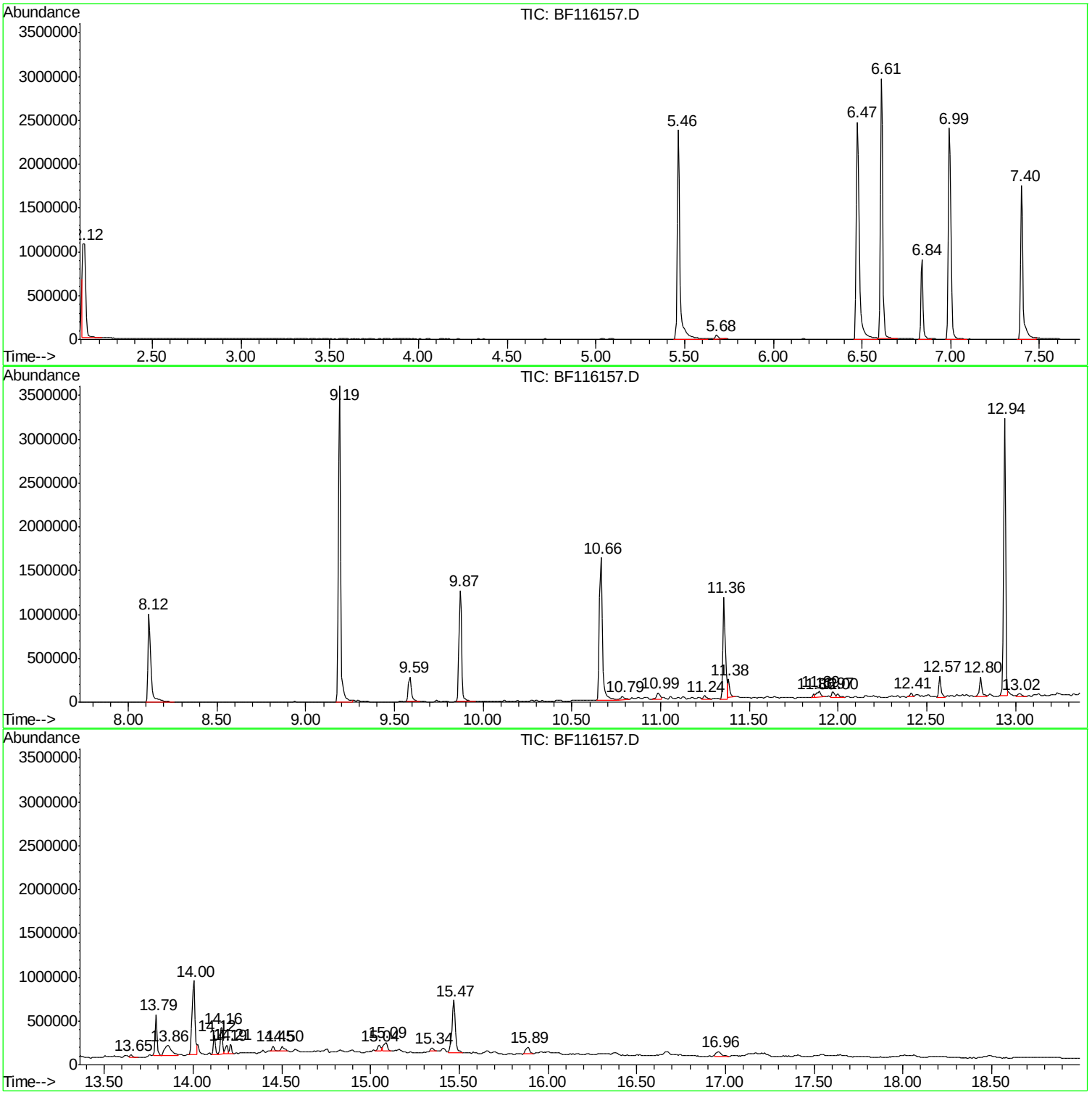
Instrument :
BNA_F
ClientSampleId :
RT-3860

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\BF081019\
Data File : BF116157.D
Acq On : 10 Aug 2019 19:01
Operator : HP/JU
Sample : K4294-10
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : RT-3860

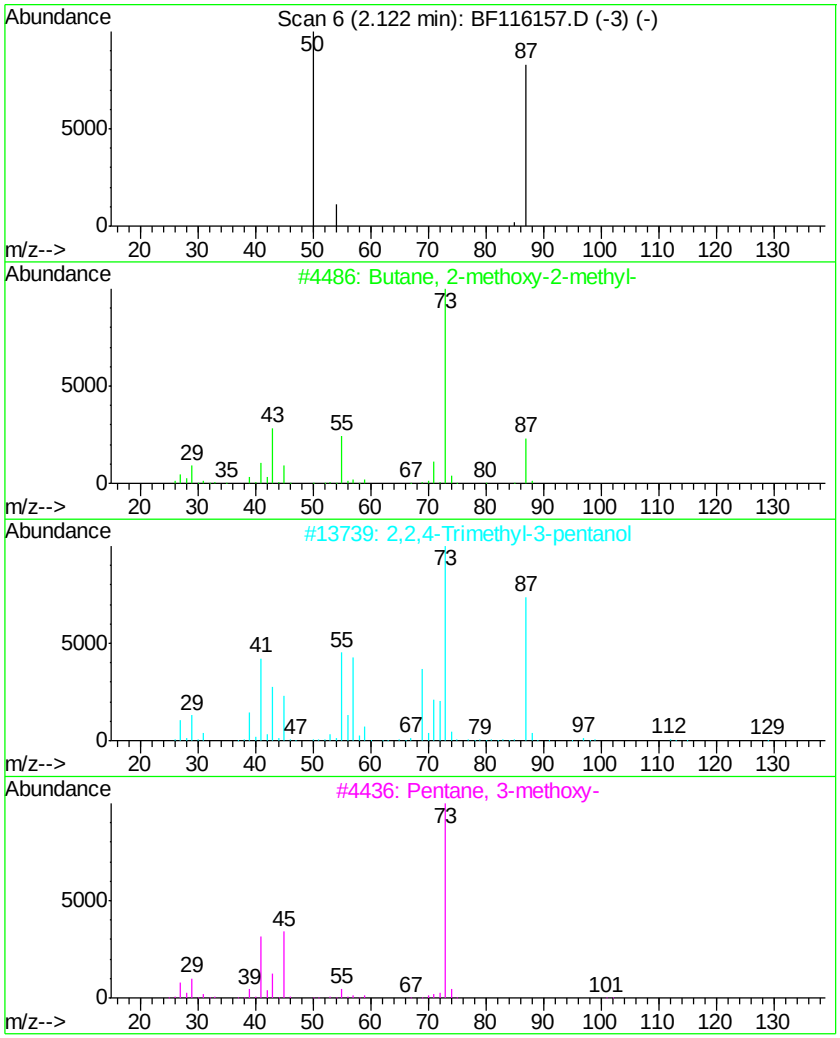
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF073019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

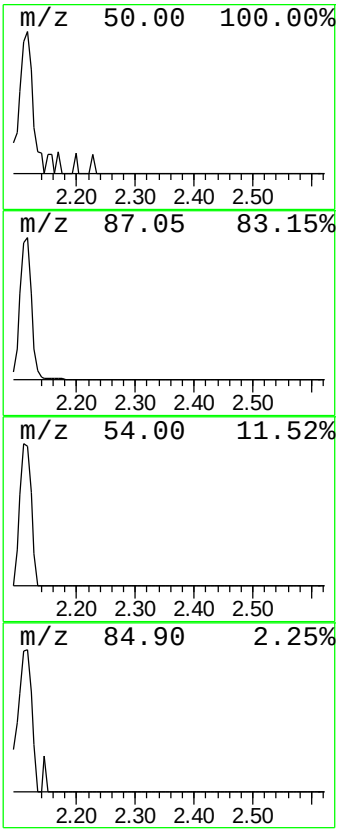
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 1 Butane, 2-methoxy-2-methyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.12	27.39 ng	1123990	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	78
2	2,2,4-Trimethyl-3-pentanol	130	C8H18O	005162-48-1	39
3	Pentane, 3-methoxy-	102	C6H14O	036839-67-5	23
4	1,3-Dioxolane, 2-methyl-	88	C4H8O2	000497-26-7	23
5	Silane, tetramethyl-	88	C4H12Si	000075-76-3	17





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF081019\
Data File : BF116157.D
Acq On : 10 Aug 2019 19:01
Operator : HP/JU
Sample : K4294-10
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : RT-3860

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

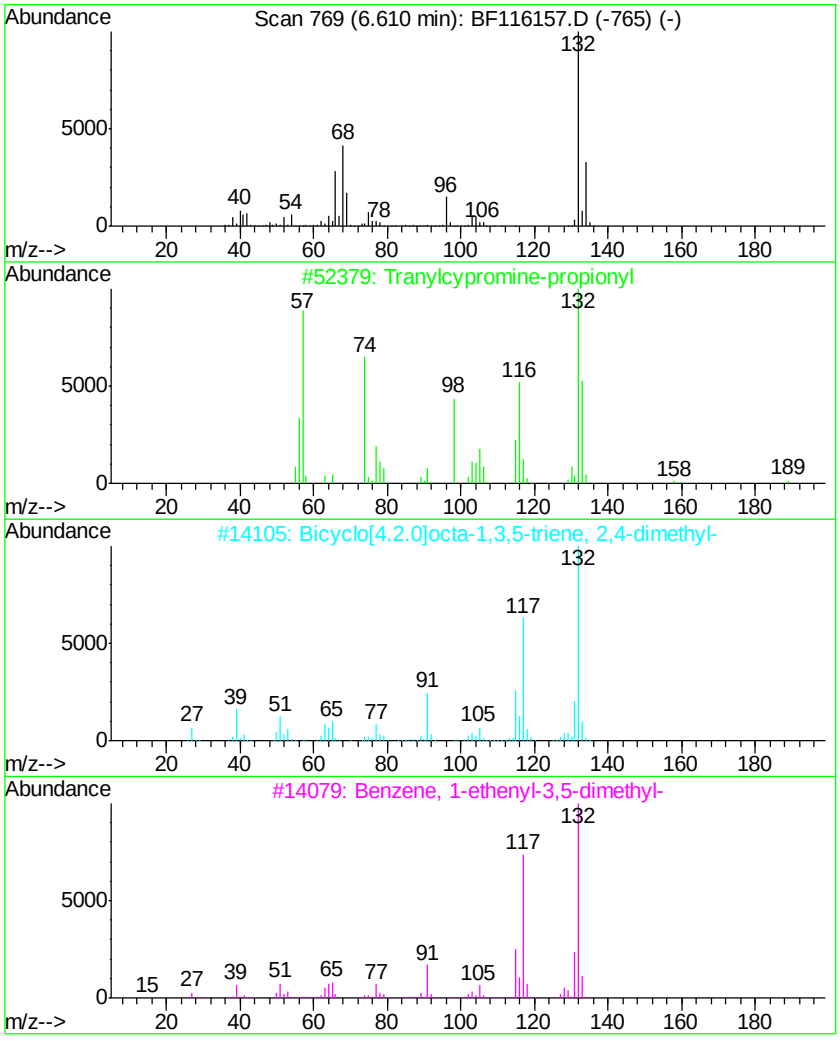
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

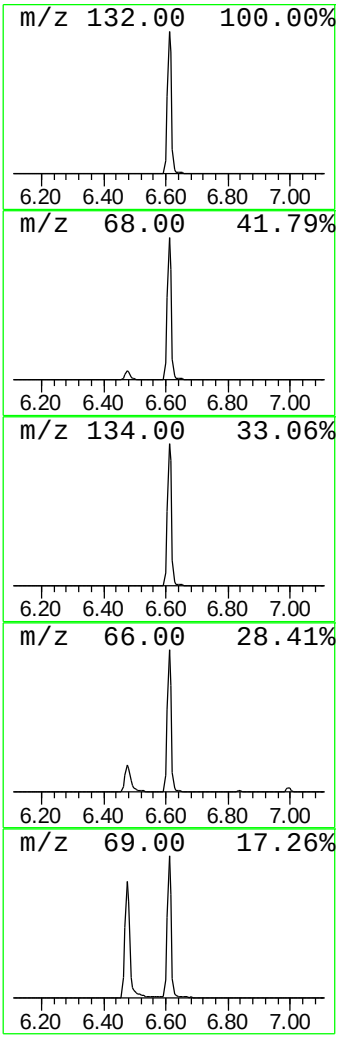
****

Peak Number 2 unknown6.61 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.61	69.84 ng	2866350	1,4-Dichlorobenzene-d4	6.84

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tranylcypromine-propionyl	189	C12H15NO	1000123-86-3	10
2	Bicyclo[4.2.0]octa-1,3,5-triene,...	132	C10H12	028749-81-7	9
3	Benzene, 1-ethenyl-3,5-dimethyl-	132	C10H12	005379-20-4	9
4	Xenon	132	Xe	007440-63-3	9
5	4-Chloro-2-fluoro-pyrimidine	132	C4H2ClFN2	051422-00-5	9





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF081019\
Data File : BF116157.D
Acq On : 10 Aug 2019 19:01
Operator : HP/JU
Sample : K4294-10
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : RT-3860

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

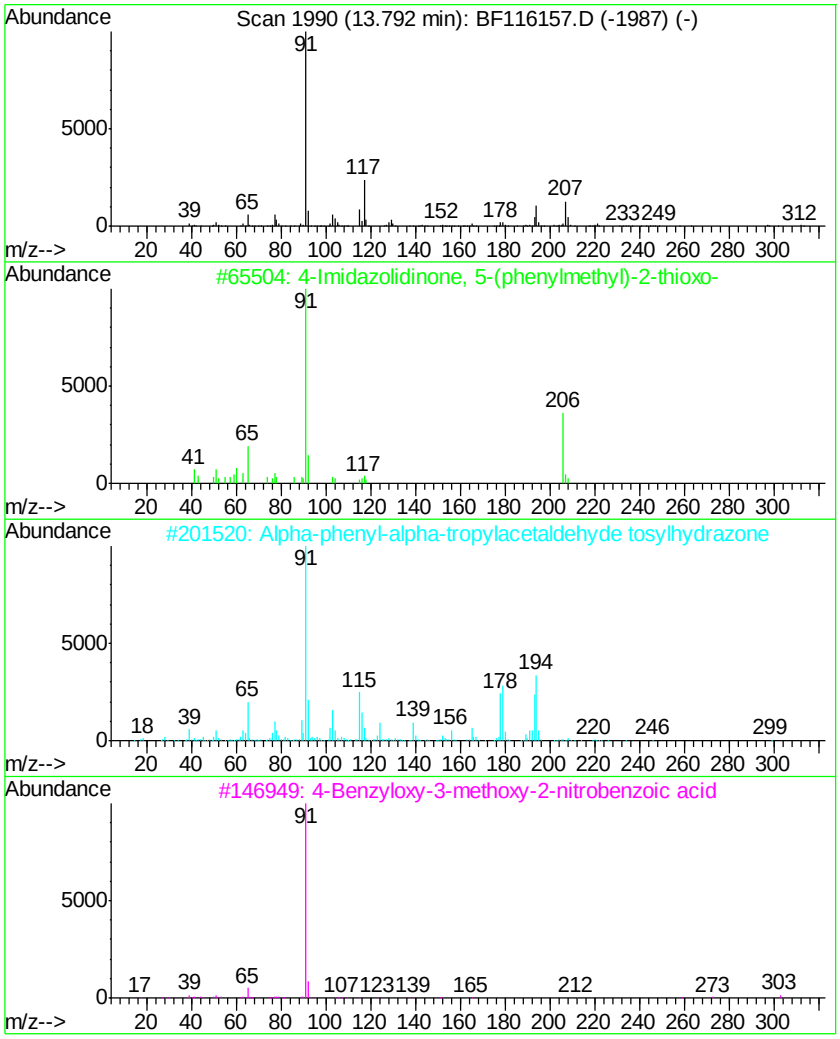
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

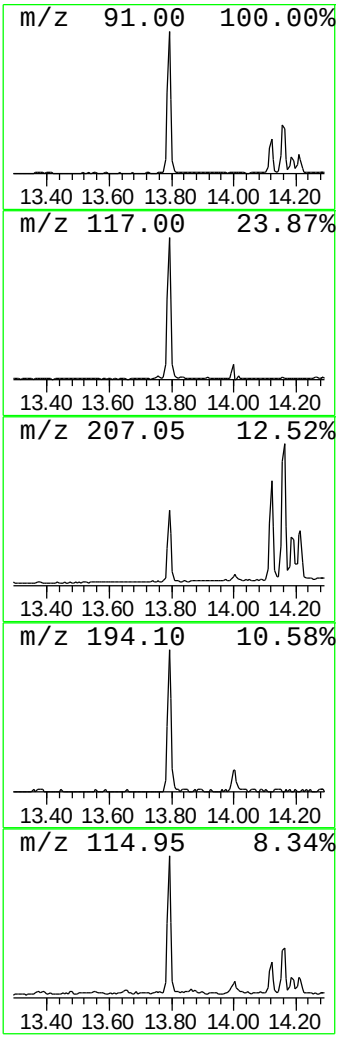
****

Peak Number 4 unknown13.79 Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.79	8.12 ng	378990	Chrysene-d12	14.00

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4-Imidazolidinone, 5-(phenylmeth...	206	C10H10N2OS	006330-09-2	23
2	Alpha-phenyl-alpha-tropylacetald...	378	C22H22N2O2S	022532-16-7	12
3	4-Benzyloxy-3-methoxy-2-nitroben...	303	C15H13NO6	003584-32-5	10
4	3-Phenylthiane,S-oxide	194	C11H14OS	058121-26-9	10
5	l-Valine, N-benzyloxycarbonyl-, ...	341	C20H23NO4	1000323-30-3	10





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF081019\
Data File : BF116157.D
Acq On : 10 Aug 2019 19:01
Operator : HP/JU
Sample : K4294-10
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : RT-3860

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

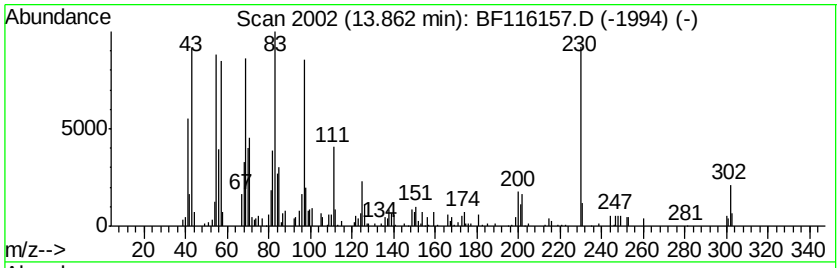
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

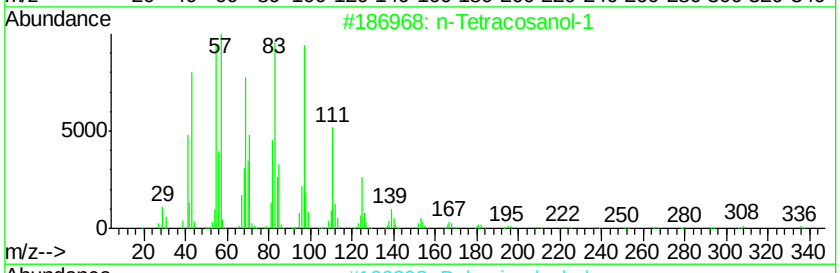
****

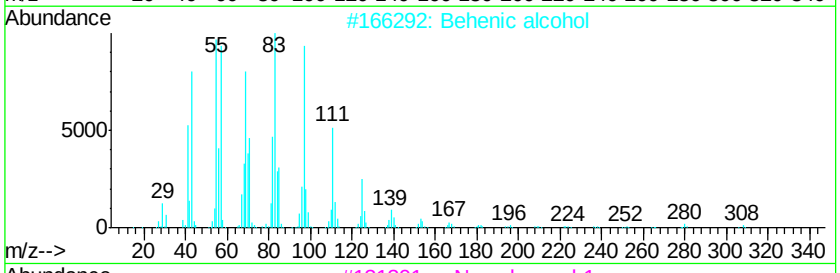
Peak Number 5 n-Tetracosanol-1 Concentration Rank 5

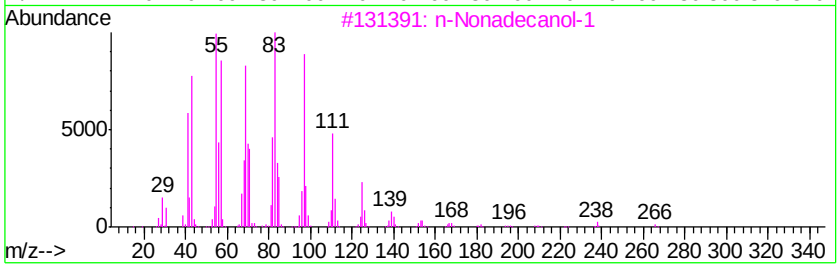
R.T.	EstConc	Area	Relative to ISTD	R.T.
13.86	6.80 ng	317572	Chrysene-d12	14.00

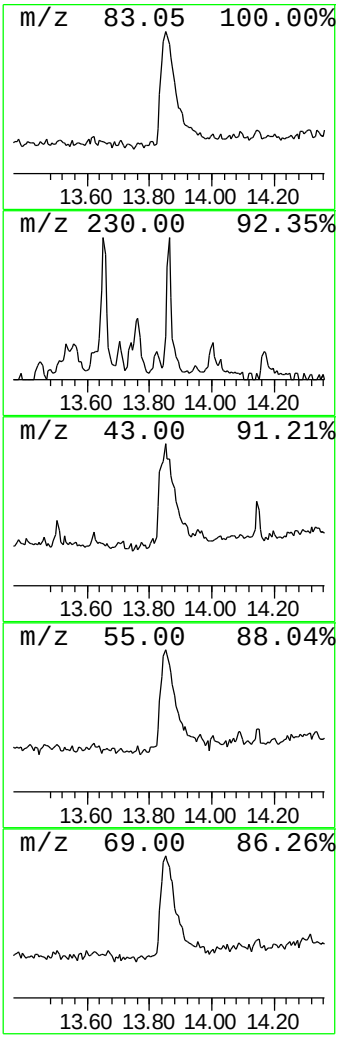
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	n-Tetracosanol-1	354	C24H50O	000506-51-4	93
2	Behenic alcohol	326	C22H46O	000661-19-8	93
3	n-Nonadecanol-1	284	C19H40O	001454-84-8	93
4	1-Heneicosanol	312	C21H44O	015594-90-8	93
5	1-Octadecanol	270	C18H38O	000112-92-5	93











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Data File : BF116157.D
Acq On : 10 Aug 2019 19:01
Operator : HP/JU
Sample : K4294-10
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : RT-3860

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

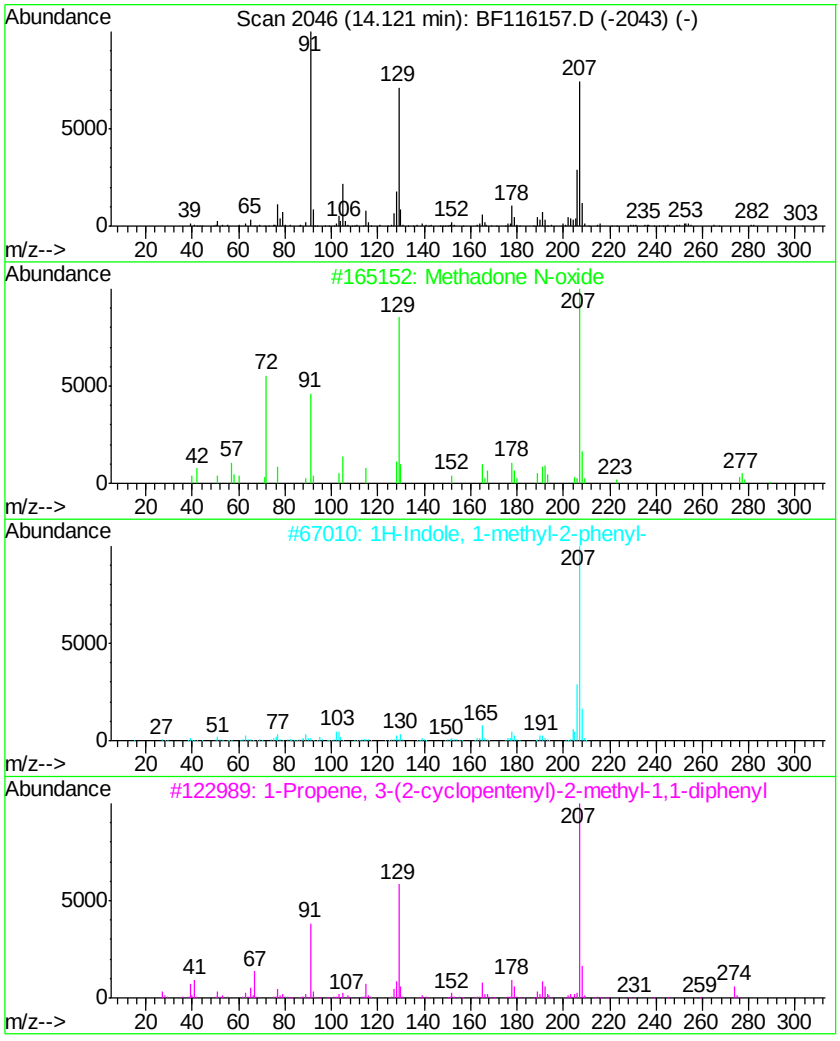
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

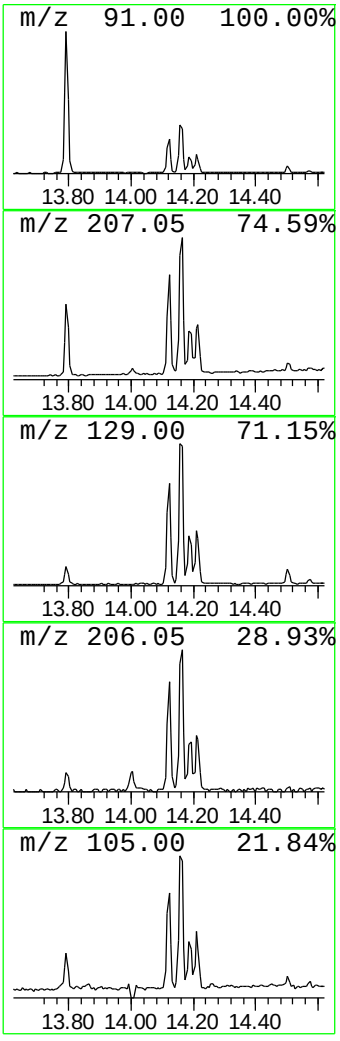
****

Peak Number 6 Methadone N-oxide Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.12	4.06 ng	189504	Chrysene-d12	14.00

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Methadone N-oxide	325	C21H27NO2	1000120-80-7	53
2	1H-Indole, 1-methyl-2-phenyl-	207	C15H13N	003558-24-5	50
3	1-Propene, 3-(2-cyclopentenyl)-2...	274	C21H22	1000154-23-3	47
4	1H-Indole, 2-methyl-3-phenyl-	207	C15H13N	004757-69-1	46
5	6-Methyl-5-[1-piperidinyl]-2,4-p...	207	C10H17N5	164589-37-1	43





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

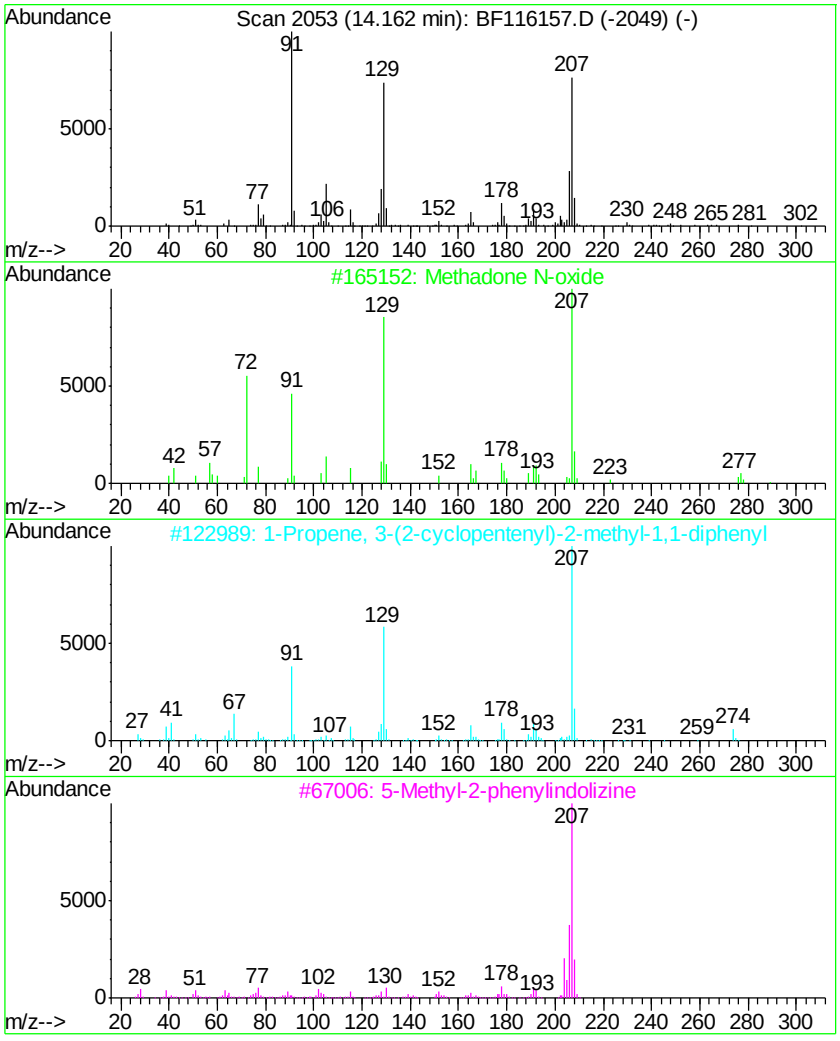
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

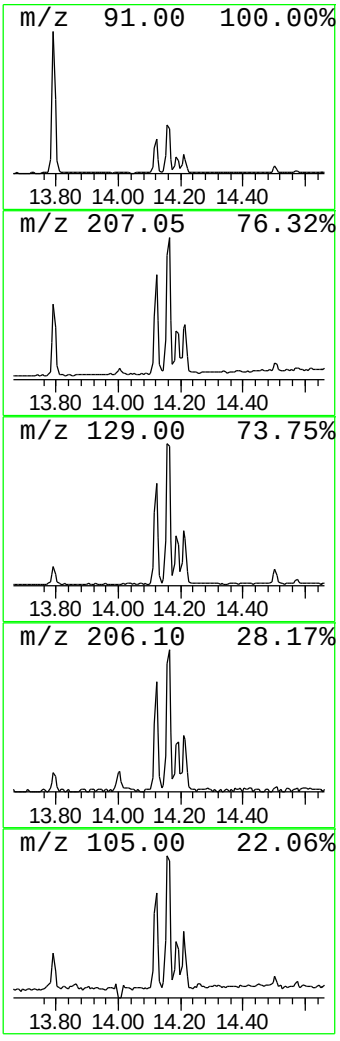
****

Peak Number 7 unknown14.16 Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.16	6.50 ng	303303	Chrysene-d12	14.00

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Methadone N-oxide	325	C21H27NO2	1000120-80-7	64
2	1-Propene, 3-(2-cyclopentenyl)-2...	274	C21H22	1000154-23-3	47
3	5-Methyl-2-phenylindolizine	207	C15H13N	036944-99-7	45
4	1H-Indole, 1-methyl-2-phenyl-	207	C15H13N	003558-24-5	42
5	1H-Indole, 2-methyl-3-phenyl-	207	C15H13N	004757-69-1	38





Library Search Compound Report

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Instrument : BNA_F
ClientSampleId : RT-3860

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

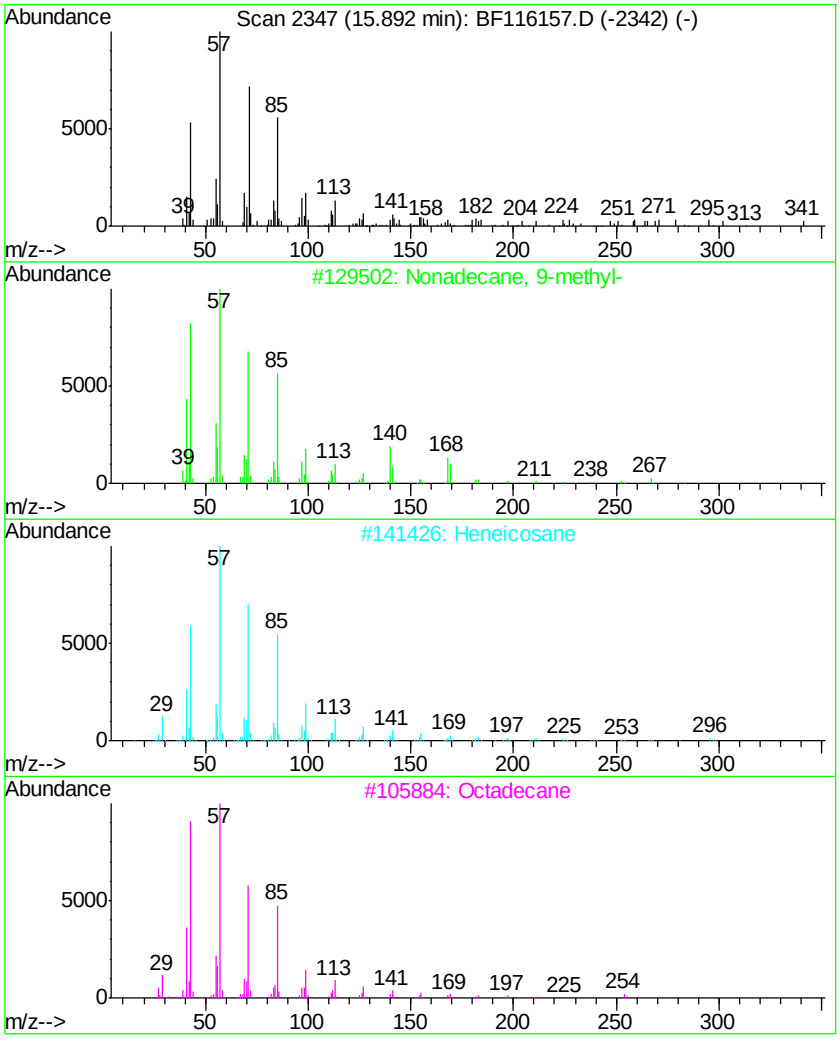
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

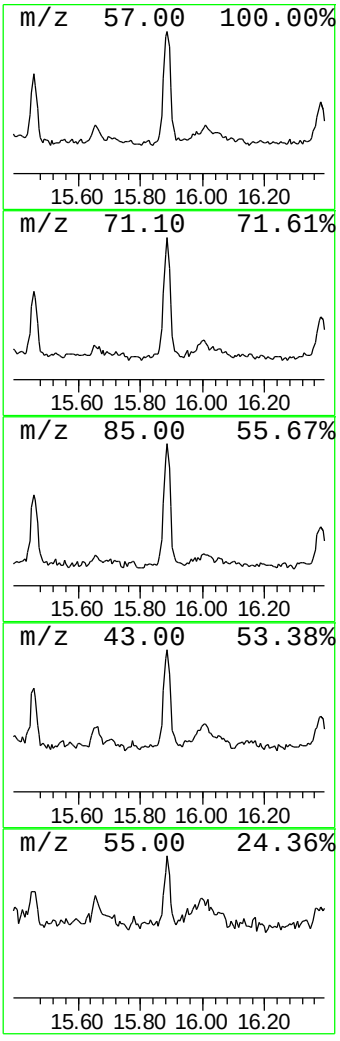
****

Peak Number 8 Nonadecane, 9-methyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.89	2.58 ng	107190	Perylene-d12	15.47

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Nonadecane, 9-methyl-	282	C20H42	013287-24-6	93
2	Heneicosane	296	C21H44	000629-94-7	90
3	Octadecane	254	C18H38	000593-45-3	87
4	Octacosane	394	C28H58	000630-02-4	87
5	2-methyloctacosane	408	C29H60	1000376-72-8	87





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF081019\
Data File : BF116157.D
Acq On : 10 Aug 2019 19:01
Operator : HP/JU
Sample : K4294-10
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : RT-3860

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

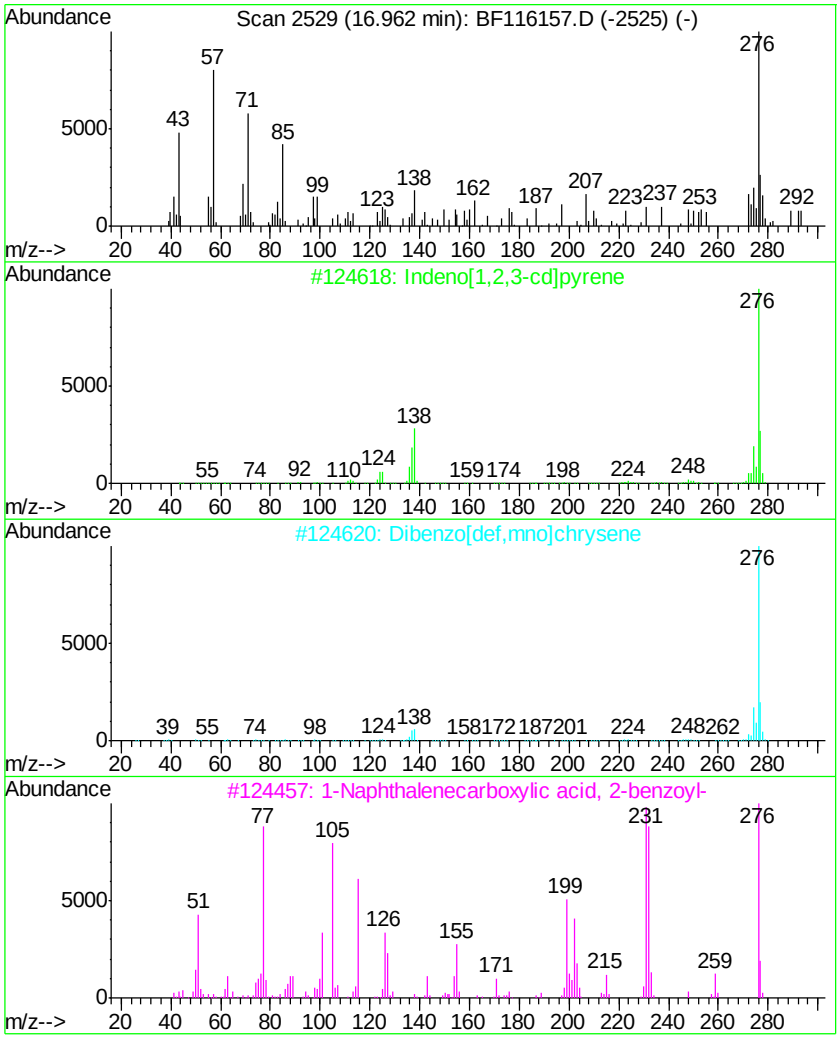
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

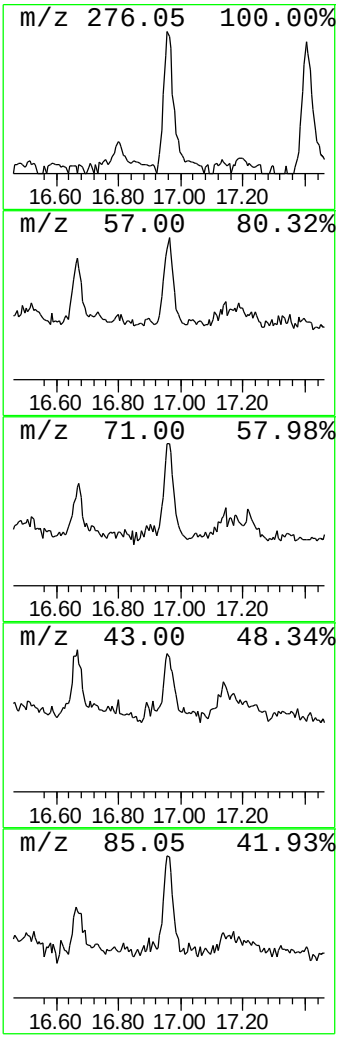
****

Peak Number 9 unknown16.96 Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.96	2.70 ng	112221	Perylene-d12	15.47

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Indeno[1,2,3-cd]pyrene	276	C22H12	000193-39-5	58
2	Dibenzo[def,mno]chrysene	276	C22H12	000191-26-4	35
3	1-Naphthalenecarboxylic acid, 2-...	276	C18H12O3	038119-11-8	30
4	Benzo[ghi]perylene	276	C22H12	000191-24-2	27
5	Sulfurous acid, 2-ethylhexyl iso...	278	C14H30O3S	1000309-19-0	14





Tentatively Identified Compound (LSC) summary

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF081019\
Data File : BF116157.D
Acq On : 10 Aug 2019 19:01
Operator : HP/JU
Sample : K4294-10
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : RT-3860

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...	2.12	27.4	ng	1123990	1	6.84	820787	20.0
unknown6.61	6.61	69.8	ng	2866350	1	6.84	820787	20.0
unknown13.79	13.79	8.1	ng	378990	5	14.00	933640	20.0
n-Tetracosanol-1	13.86	6.8	ng	317572	5	14.00	933640	20.0
Methadone N-oxide	14.12	4.1	ng	189504	5	14.00	933640	20.0
unknown14.16	14.16	6.5	ng	303303	5	14.00	933640	20.0
Nonadecane, 9-met...	15.89	2.6	ng	107190	6	15.47	830055	20.0
unknown16.96	16.96	2.7	ng	112221	6	15.47	830055	20.0