LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF090419\
Data File : BF116816.D
Acq On : 4 Sep 2019 15:32
Operator : HP/JU
Sample : K4625-02 5X
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : HF-01

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-BF083019.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	2.287	30	34	44	rVB3	9045	15894	2.38%	0.228%
2	5.457	569	573	585	rVB	318734	290824	43.61%	4.165%
3	6.134	684	688	692	rBB	265562	214191	32.12%	3.067%
4	6.281	710	713	715	rBV	12824	12421	1.86%	0.178%
5	6.304	715	717	720	rVB	31985	25385	3.81%	0.364%
6	6.469	742	745	756	rBV	407487	333250	49.98%	4.772%
7	6.557	756	760	763	rBV	148882	125041	18.75%	1.791%
8	6.610	766	769	773	rVB	375071	339730	50.95%	4.865%
9	6.845	806	809	815	rBB	543880	425050	63.74%	6.087%
10	6.928	818	823	826	rBV	50470	38454	5.77%	0.551%
11	6.969	827	830	832	rBV	47781	33980	5.10%	0.487%
12	7.004	832	836	839	rBV	308180	250519	37.57%	3.588%
13	7.398	899	903	908	rBV	248631	217937	32.68%	3.121%
14	7.439	908	910	914	rVB	43665	37315	5.60%	0.534%
15	7.851	977	980	982	rBV	18498	18611	2.79%	0.267%
16	7.875	982	984	988	rVB2	15277	13098	1.96%	0.188%
17	8.128	1023	1027	1030	rBV	746793	585359	87.78%	8.383%
18	8.151	1030	1031	1036	rVB2	40144	28347	4.25%	0.406%
19	8.834	1144	1147	1149	rBV2	25634	18735	2.81%	0.268%
20	8.863	1149	1152	1155	rVV	45341	33367	5.00%	0.478%
21	8.986	1170	1173	1177	rBV	31765	26261	3.94%	0.376%
22	9.198	1206	1209	1215	rBV	488743	382804	57.41%	5.482%
23	9.286	1221	1224	1228	rVB3	7339	9054	1.36%	0.130%
24	9.592	1273	1276	1283	rVB	44651	41898	6.28%	0.600%
25	9.692	1290	1293	1299	rBV5	5551	8152	1.22%	0.117%
26	9.880	1321	1325	1332	rVB	842896	666816	100.00%	9.549%
27	10.663	1454	1458	1467	rVB	231156	199820	29.97%	2.862%
28	11.263	1557	1560	1565	rVB4	8359	9247	1.39%	0.132%
29	11.363	1573	1577	1580	rBV	712448	600804	90.10%	8.604%
30	11.386	1580	1581	1585	rVB2	17671	10672	1.60%	0.153%
31	11.463	1592	1594	1599	rBV	14986	17864	2.68%	0.256%
32	11.886	1663	1666	1673	rVB3	63310	61005	9.15%	0.874%
33	11.974	1678	1681	1683	rBV2	11787	10526	1.58%	0.151%
34	12.063	1693	1696	1700	rBV6	12134	13849	2.08%	0.198%

LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF090419\
Data File : BF116816.D
Acq On : 4 Sep 2019 15:32
Operator : HP/JU
Sample : K4625-02 5X
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : HF-01

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-BF083019.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	12.116	1700	1705	1709	rVV4	30095	40282	6.04%	0.577%
36	12.222	1720	1723	1726	rBV2	56417	50266	7.54%	0.720%
37	12.286	1732	1734	1735	rBV	14858	11276	1.69%	0.161%
38	12.310	1735	1738	1741	rVB	161764	132351	19.85%	1.895%
39	12.345	1741	1744	1748	rBV6	22712	31580	4.74%	0.452%
40	12.410	1753	1755	1757	rBV2	15961	14094	2.11%	0.202%
41	12.533	1773	1776	1778	rBV4	13016	15942	2.39%	0.228%
42	12.569	1779	1782	1784	rVV	29167	24080	3.61%	0.345%
43	12.616	1787	1790	1794	rVB	80675	75863	11.38%	1.086%
44	12.669	1796	1799	1803	rBV4	39577	47819	7.17%	0.685%
45	12.798	1818	1821	1823	rBV	38507	37491	5.62%	0.537%
46	12.821	1823	1825	1829	rVB4	30029	29354	4.40%	0.420%
47	12.939	1841	1845	1848	rBV	378623	317414	47.60%	4.546%
48	13.045	1860	1863	1866	rVB	73055	63412	9.51%	0.908%
49	13.080	1866	1869	1872	rBV	149978	120393	18.05%	1.724%
50	13.304	1905	1907	1913	rBV3	61706	72923	10.94%	1.044%
51	13.992	2021	2024	2028	rVB	516853	455639	68.33%	6.525%
52	15.451	2269	2272	2275	rBV	287804	326438	48.95%	4.675%

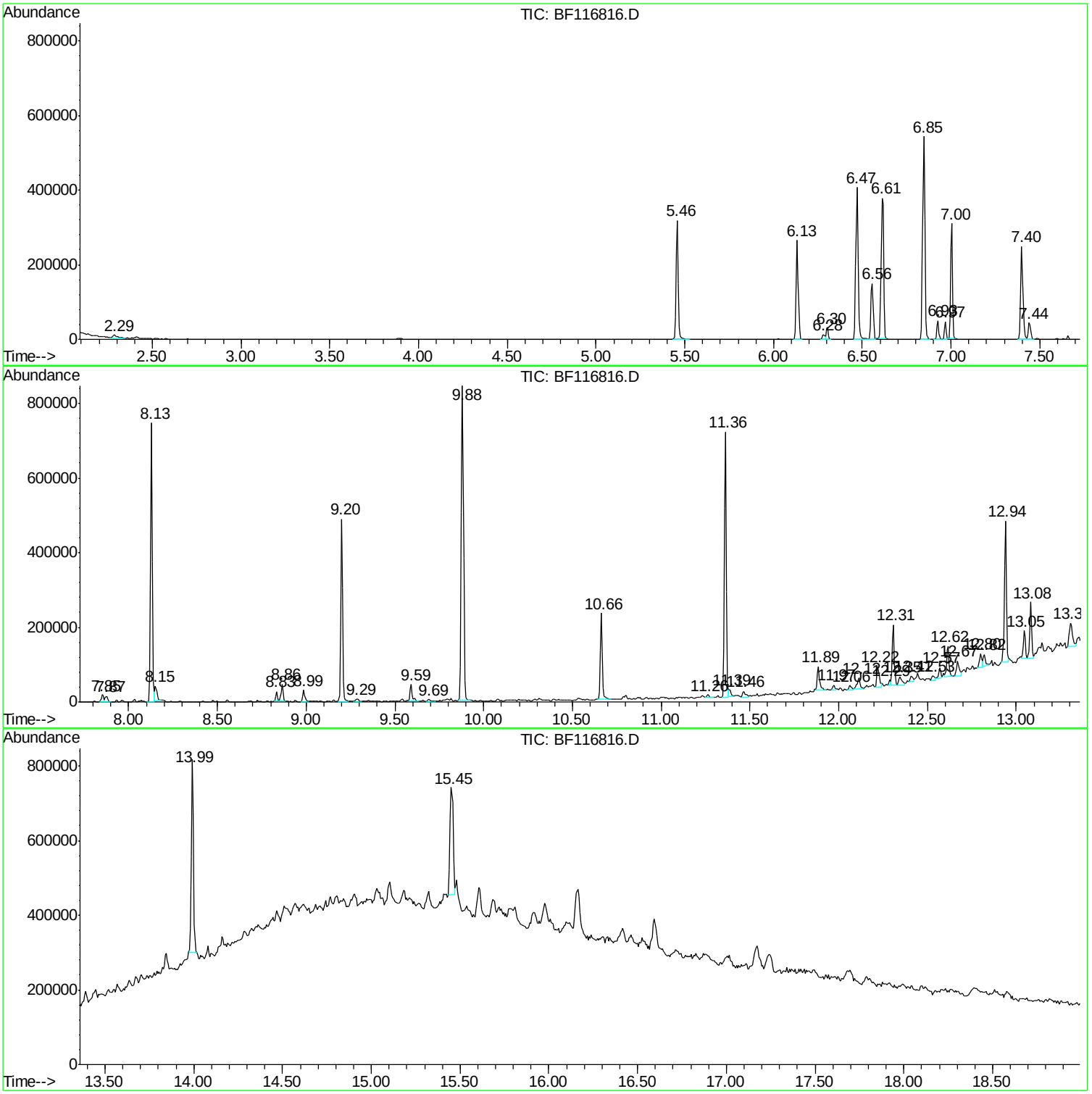
Sum of corrected areas: 6982897

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF090419\
Data File : BF116816.D
Acq On : 4 Sep 2019 15:32
Operator : HP/JU
Sample : K4625-02 5X
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : HF-01

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF083019.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\BF090419\
Data File : BF116816.D
Acq On : 4 Sep 2019 15:32
Operator : HP/JU
Sample : K4625-02 5X
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : HF-01

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF083019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

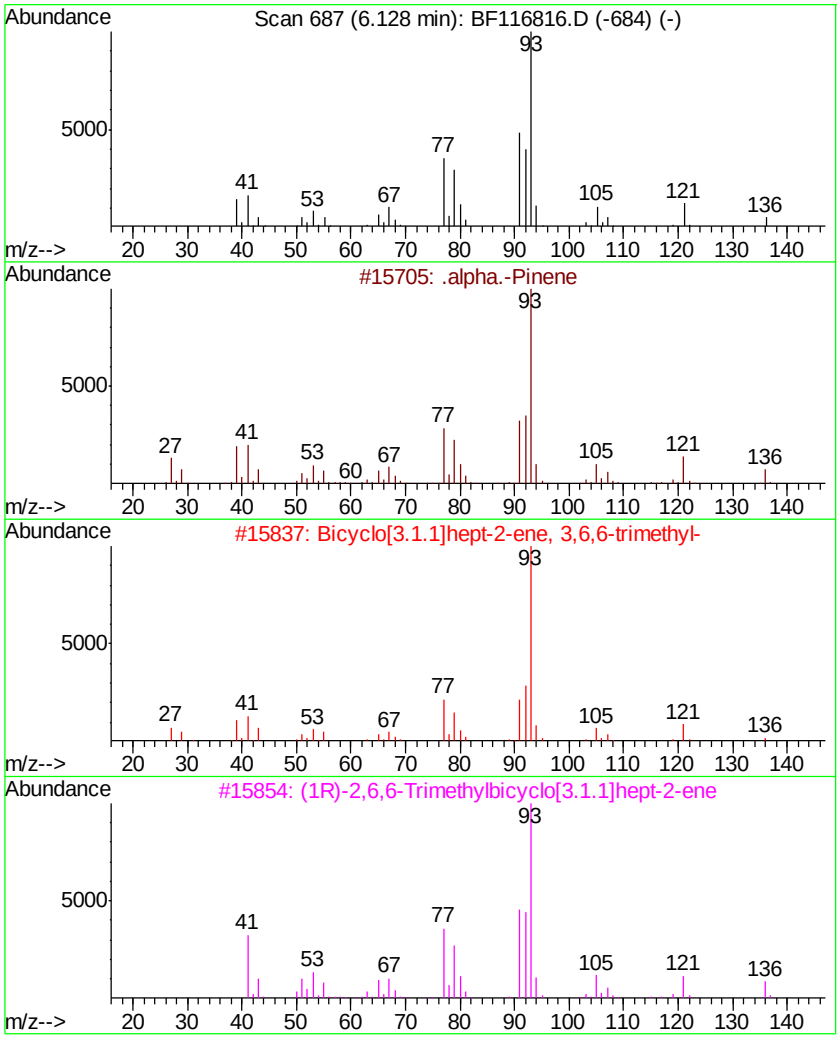
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

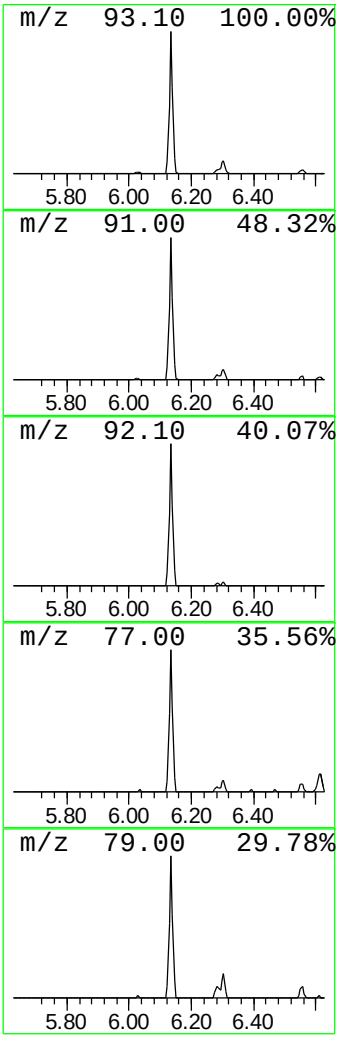
****

Peak Number 1 .alpha.-Pinene Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.13	10.08 ng	214191	1,4-Dichlorobenzene-d4	6.85

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	.alpha.-Pinene	136	C10H16	000080-56-8	95
2	Bicyclo[3.1.1]hept-2-ene, 3,6,6-...	136	C10H16	004889-83-2	94
3	(1R)-2,6,6-Trimethylbicyclo[3.1....	136	C10H16	007785-70-8	94
4	Tricyclo[2.2.1.0(2,6)]heptane, 1...	136	C10H16	000508-32-7	91
5	(+)-3-Carene	136	C10H16	000498-15-7	91





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF090419\
Data File : BF116816.D
Acq On : 4 Sep 2019 15:32
Operator : HP/JU
Sample : K4625-02 5X
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : HF-01

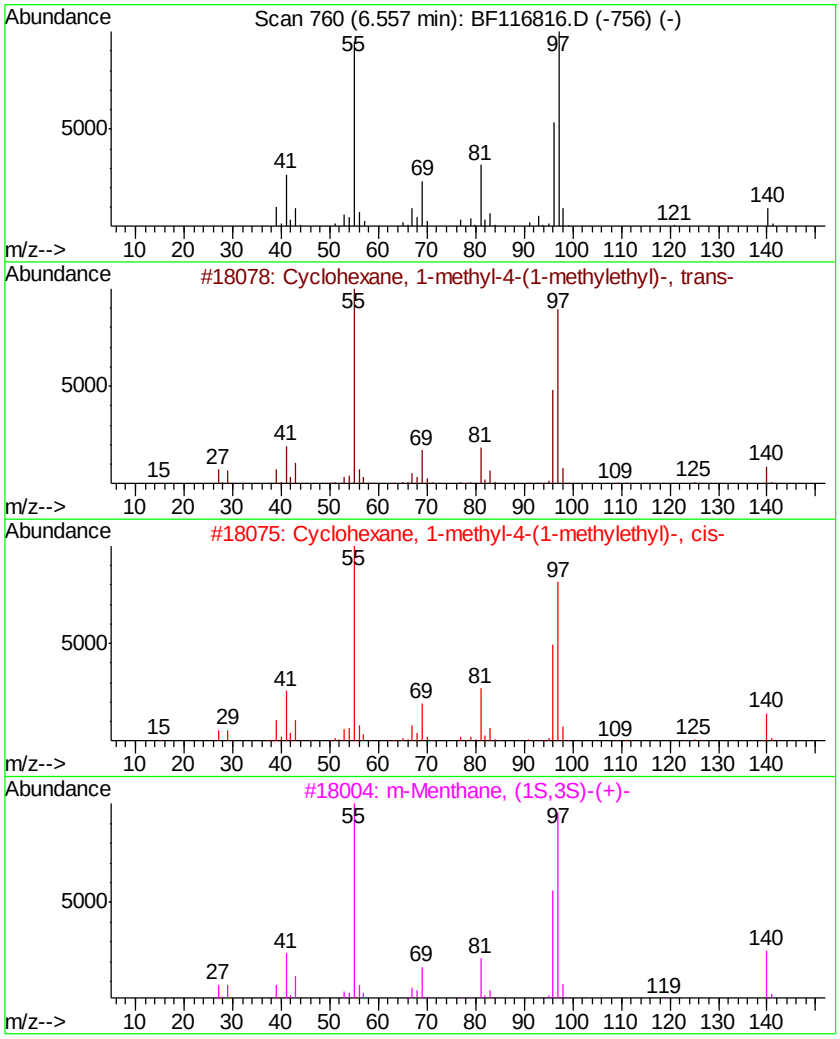
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF083019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

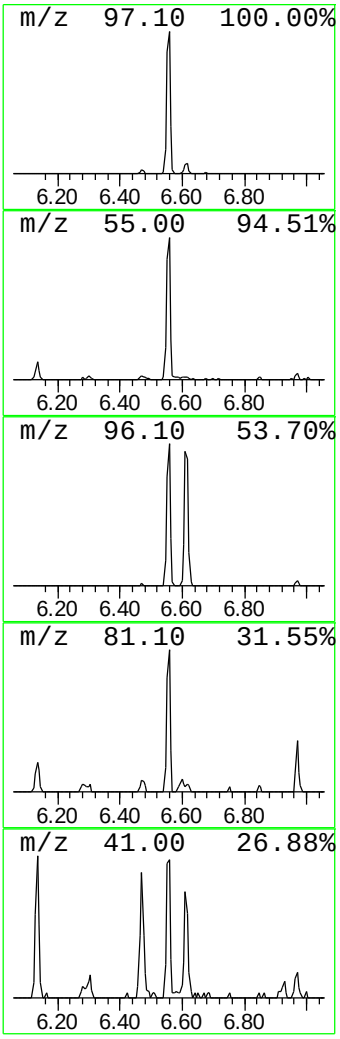
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 2 Cyclohexane, 1-methyl-4-(1-... Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.56	5.88 ng	125041	1,4-Dichlorobenzene-d4	6.85

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1-methyl-4-(1-methy...	140	C10H20	001678-82-6	94
2	Cyclohexane, 1-methyl-4-(1-methy...	140	C10H20	006069-98-3	94
3	m-Menthane, (1S,3S)-(+)-	140	C10H20	013837-67-7	91
4	Cyclohexane, 1-methyl-3-(1-methy...	140	C10H20	016580-24-8	90
5	m-Menthane, (1S,3R)-(+)-	140	C10H20	013837-66-6	78





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF090419\
Data File : BF116816.D
Acq On : 4 Sep 2019 15:32
Operator : HP/JU
Sample : K4625-02 5X
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : HF-01

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF083019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

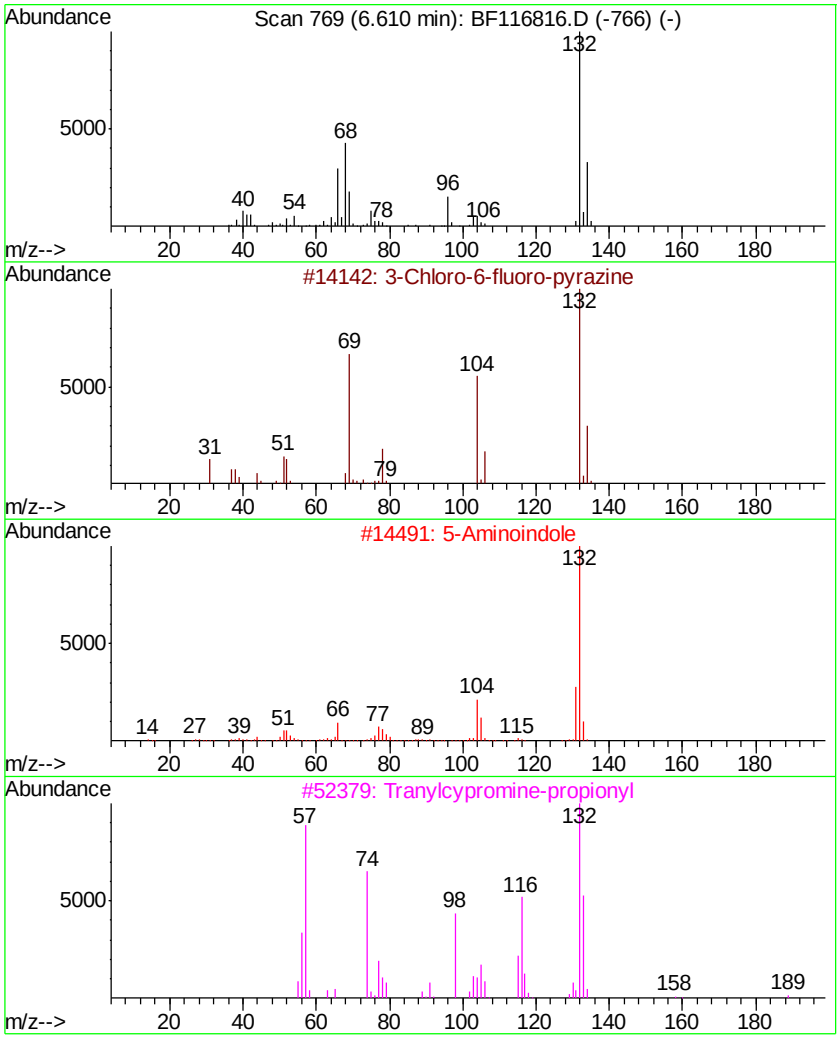
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

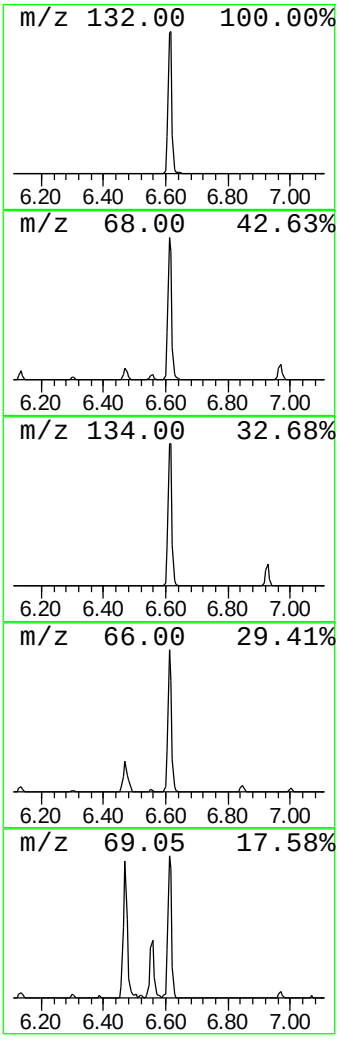
****

Peak Number 3 unknown6.61 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.61	15.99 ng	339730	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	16
2	5-Aminoindole	132	C8H8N2	005192-03-0	12
3	Tranylcypromine-propionyl	189	C12H15NO	1000123-86-3	10
4	4-Chloro-2-fluoro-pyrimidine	132	C4H2ClFN2	051422-00-5	9
5	5-Fluoro-2-chloropyrimidine	132	C4H2ClFN2	062802-42-0	9





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF090419\
Data File : BF116816.D
Acq On : 4 Sep 2019 15:32
Operator : HP/JU
Sample : K4625-02 5X
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : HF-01

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF083019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

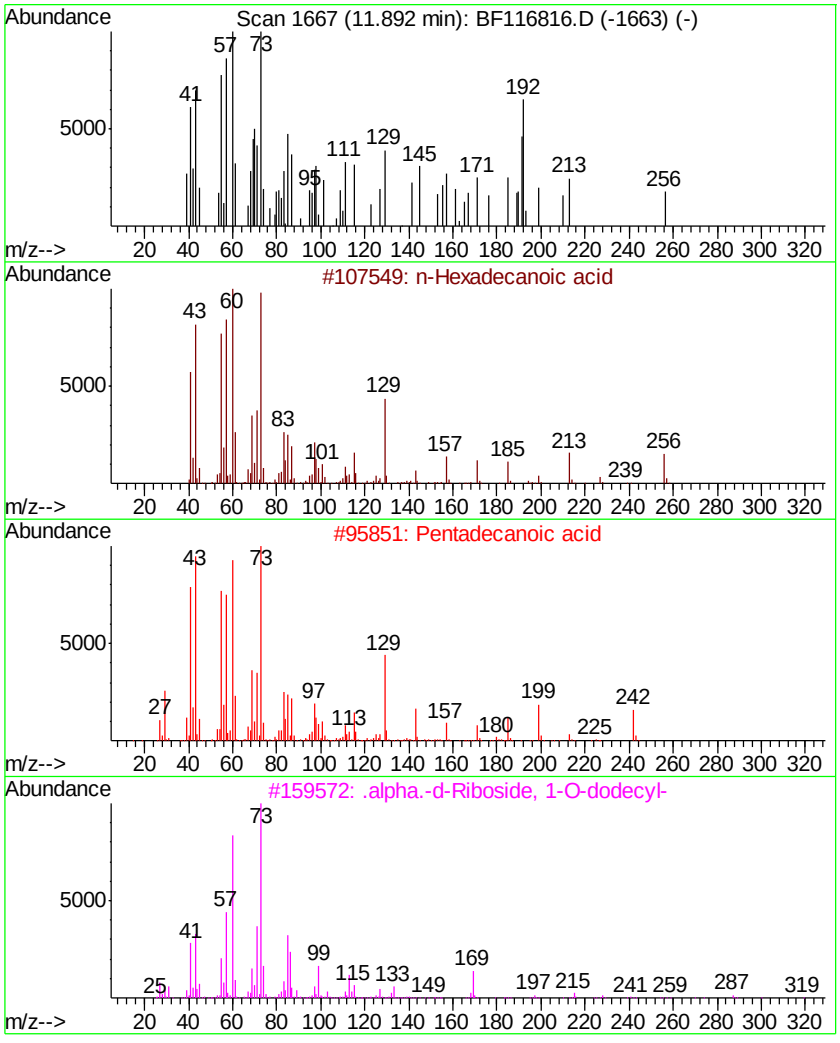
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

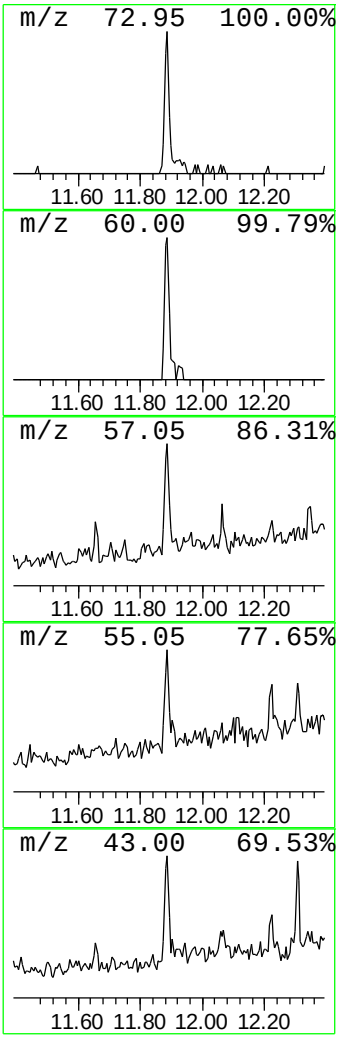
****

Peak Number 5 n-Hexadecanoic acid Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.89	2.03 ng	61005	Phenanthrene-d10	11.36

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	95
2	Pentadecanoic acid	242	C15H30O2	001002-84-2	83
3	.alpha.-d-Riboside, 1-O-dodecyl-	318	C17H34O5	1000154-76-8	43
4	n-Decanoic acid	172	C10H20O2	000334-48-5	43
5	Isoamyl nitrite	117	C5H11NO2	000110-46-3	27





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF090419\
Data File : BF116816.D
Acq On : 4 Sep 2019 15:32
Operator : HP/JU
Sample : K4625-02 5X
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : HF-01

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF083019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

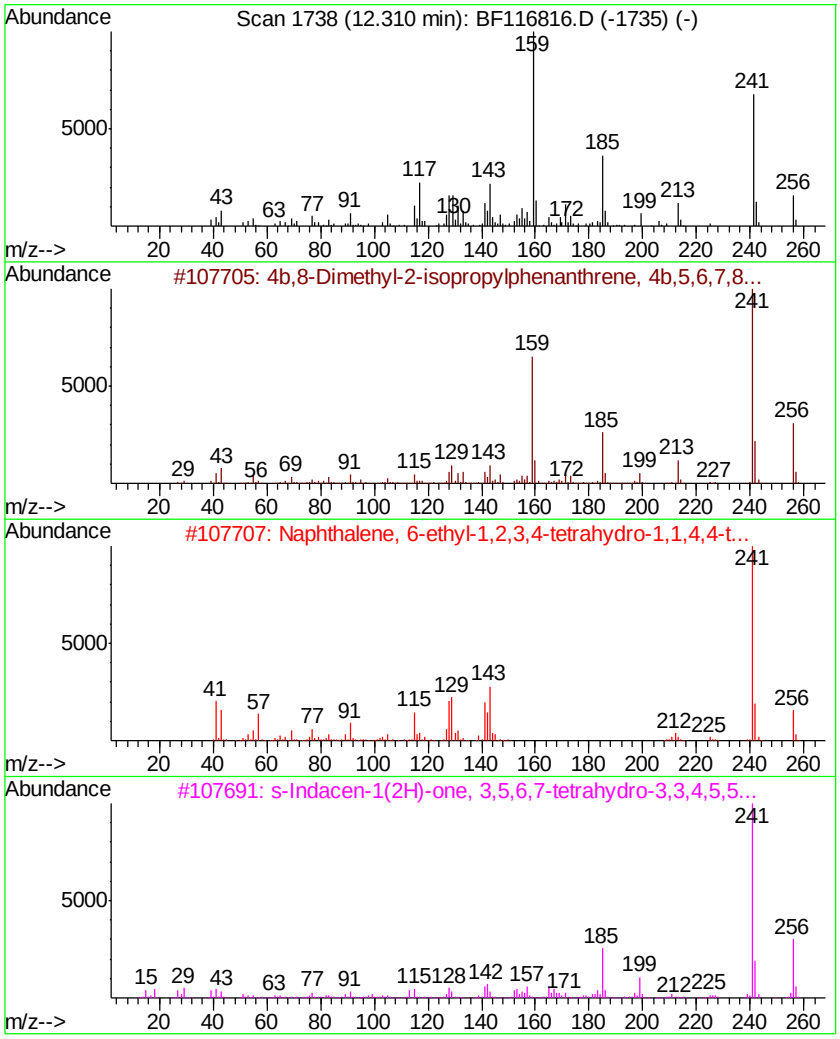
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

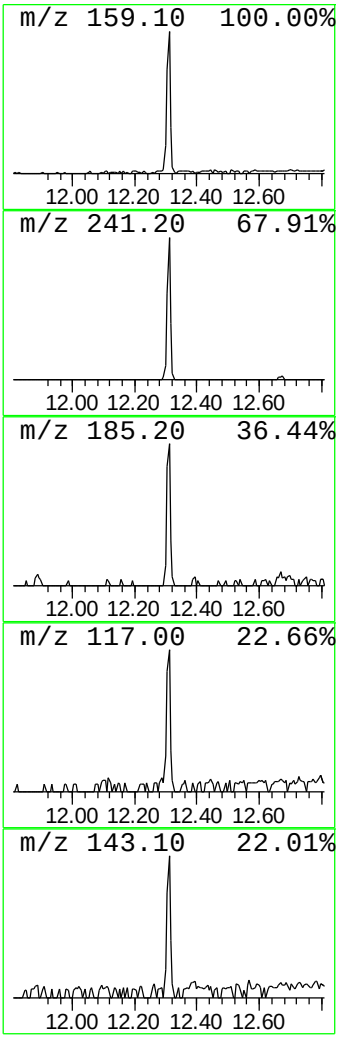
****

Peak Number 6 4b,8-Dimethyl-2-isopropylph... Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.31	4.41 ng	132351	Phenanthrene-d10	11.36

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4b,8-Dimethyl-2-isopropylphenant...	256	C19H28	1000197-14-1	98
2	Naphthalene, 6-ethyl-1,2,3,4-tet...	256	C19H28	301643-35-6	93
3	s-Indacen-1(2H)-one, 3,5,6,7-tet...	256	C18H24O	038754-94-8	35
4	Naphthalene, 1,2,3,4-tetrahydro-...	174	C13H18	030316-36-0	30
5	Quinoline, 4-methyl-, 1-oxide	159	C10H9NO	004053-40-1	25





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF090419\
Data File : BF116816.D
Acq On : 4 Sep 2019 15:32
Operator : HP/JU
Sample : K4625-02 5X
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : HF-01

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF083019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

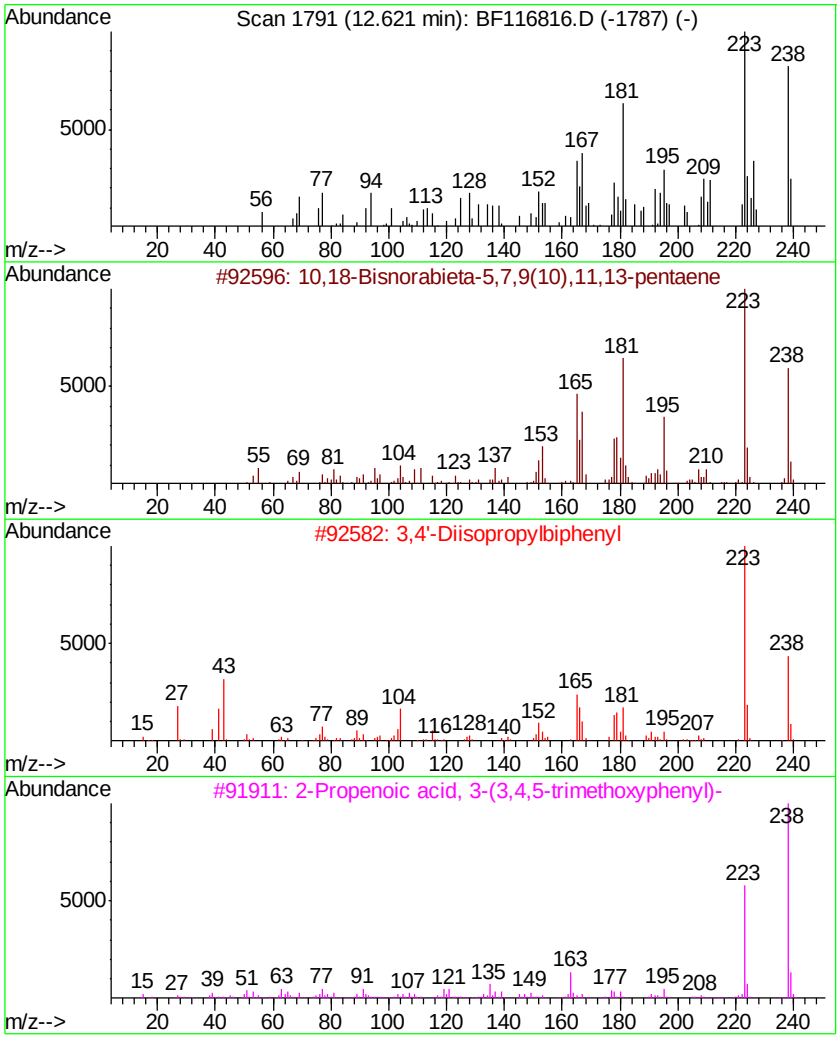
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

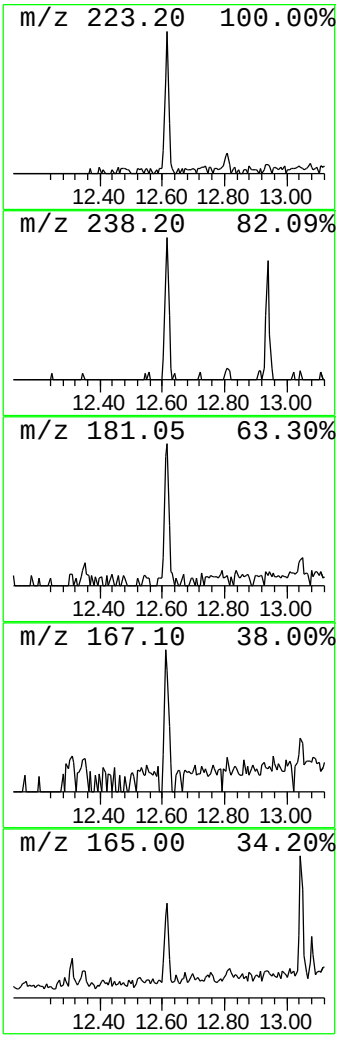
****

Peak Number 7 10,18-Bisnorabieta-5,7,9(10... Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.62	2.53 ng	75863	Phenanthrene-d10	11.36

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	10,18-Bisnorabieta-5,7,9(10),11,...	238	C18H22	006566-19-4	93
2	3,4'-Diisopropylbiphenyl	238	C18H22	061434-46-6	58
3	2-Propenoic acid, 3-(3,4,5-trime...	238	C12H14O5	000090-50-6	50
4	3-(N,N-Diethylamino)carbazole	238	C16H18N2	054994-31-9	49
5	3,3'-Diacetylbiphenyl	238	C16H14O2	094113-07-2	46





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF090419\
Data File : BF116816.D
Acq On : 4 Sep 2019 15:32
Operator : HP/JU
Sample : K4625-02 5X
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : HF-01

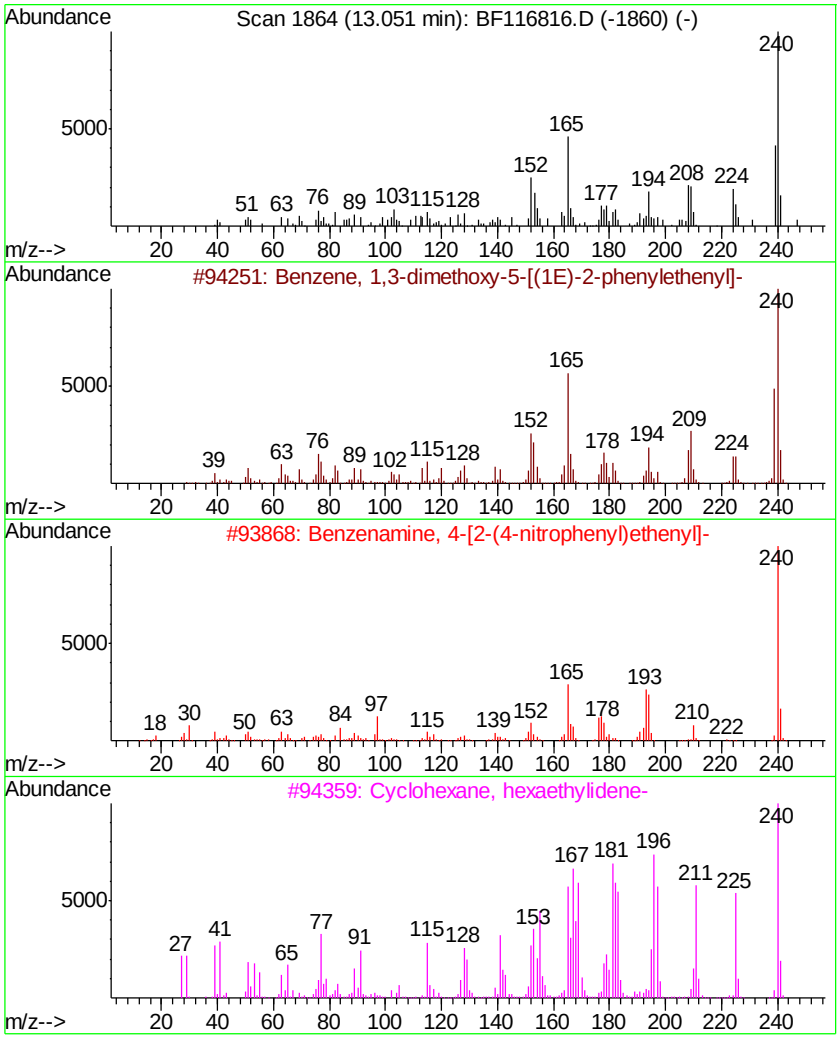
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF083019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

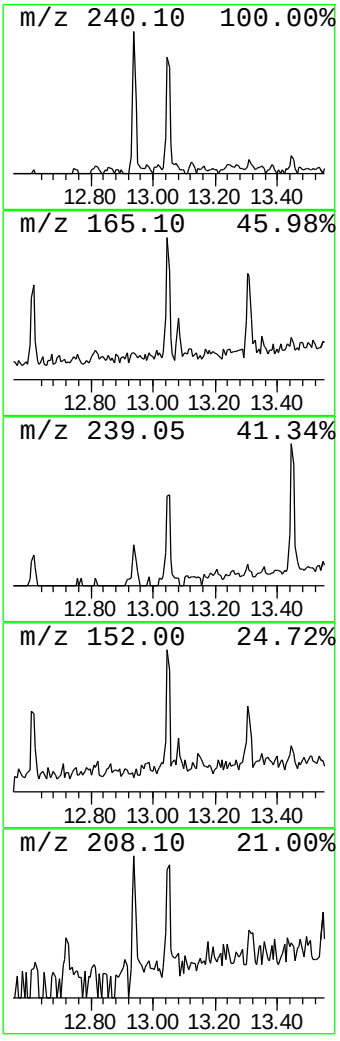
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 8 Benzene, 1,3-dimethoxy-5-[(... Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.05	2.78 ng	63412	Chrysene-d12	13.99

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,3-dimethoxy-5-[(1E)-2...	240	C16H16O2	021956-56-9	93
2	Benzenamine, 4-[2-(4-nitrophenyl...	240	C14H12N2O2	004629-58-7	55
3	Cyclohexane, hexaethylidene-	240	C18H24	001482-93-5	55
4	Pyridine, 1-acetyl-1,2,3,4-tetra...	208	C12H20N2O	054966-22-2	53
5	5-Methyl-4-(1-naphthyl)-2-thiazo...	240	C14H12N2S	107411-05-2	49





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF090419\
Data File : BF116816.D
Acq On : 4 Sep 2019 15:32
Operator : HP/JU
Sample : K4625-02 5X
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : HF-01

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF083019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

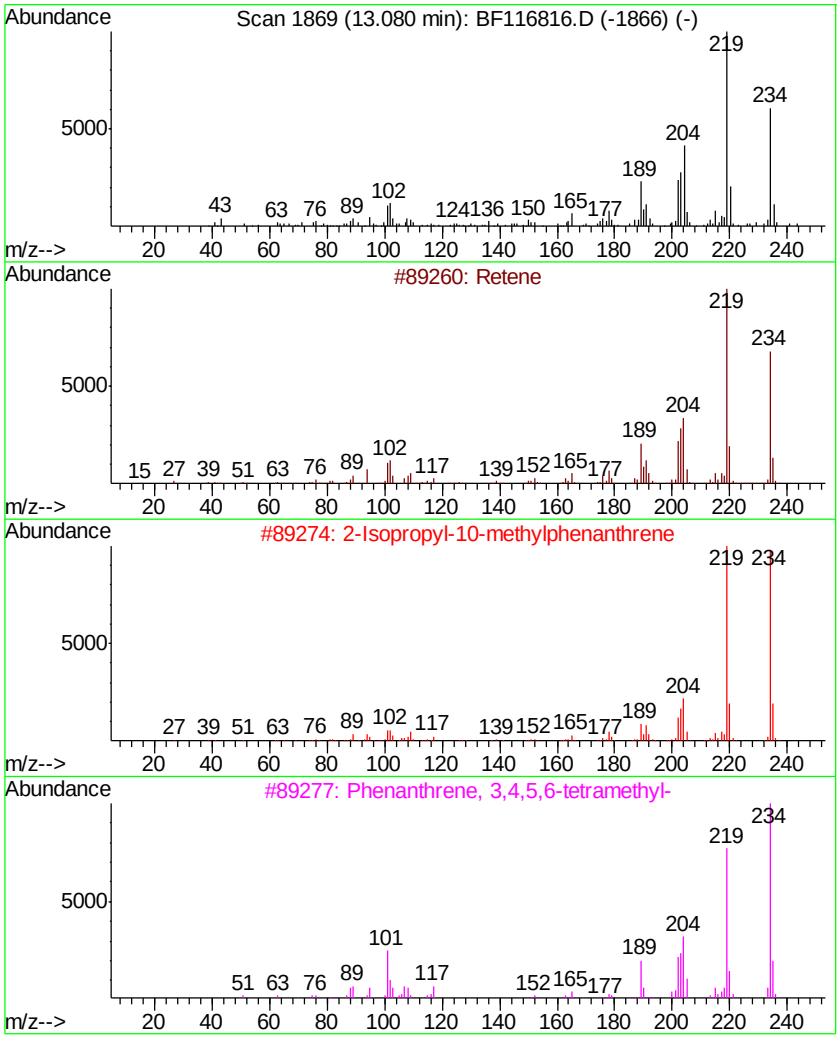
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

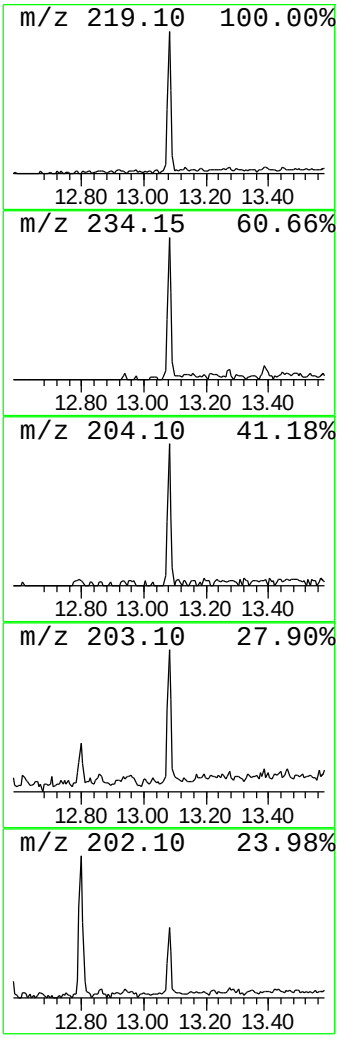
****

Peak Number 9 Retene Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.08	5.28 ng	120393	Chrysene-d12	13.99

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Retene	234	C18H18	000483-65-8	99
2	2-Isopropyl-10-methylphenanthrene	234	C18H18	066552-97-4	90
3	Phenanthrene, 3,4,5,6-tetramethyl-	234	C18H18	007343-06-8	76
4	1-(10-Methylanthracen-9-yl)ethanone	234	C17H14O	036778-18-4	64
5	3,5-di-tert-Butyl-4-hydroxybenza...	234	C15H22O2	001620-98-0	47





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF090419\
Data File : BF116816.D
Acq On : 4 Sep 2019 15:32
Operator : HP/JU
Sample : K4625-02 5X
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : HF-01

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF083019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

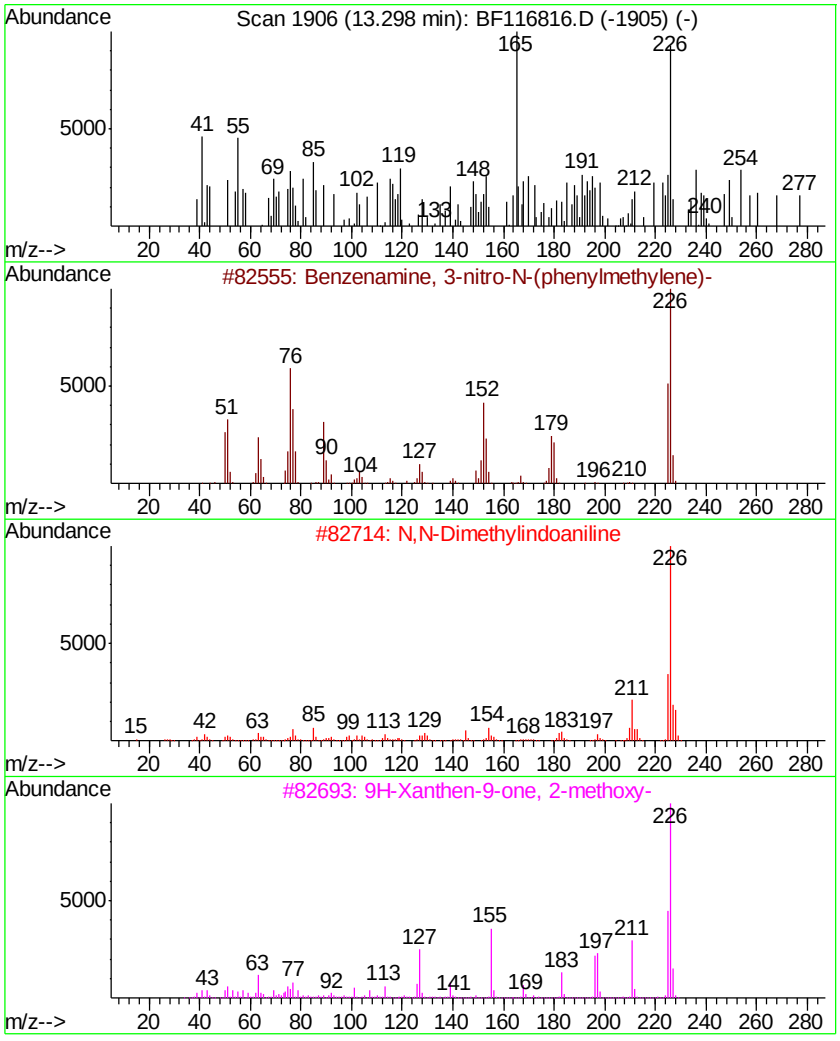
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

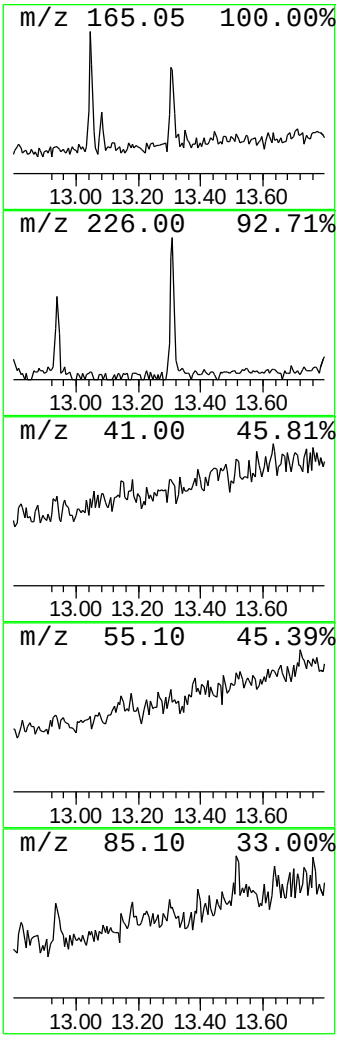
****

Peak Number 10 Benzenamine, 3-nitro-N-(phe... Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.30	3.20 ng	72923	Chrysene-d12	13.99

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzenamine, 3-nitro-N-(phenylme...	226	C13H10N2O2	005341-44-6	50
2	N,N-Dimethylindoaniline	226	C14H14N2O	002150-58-5	46
3	9H-Xanthen-9-one, 2-methoxy-	226	C14H10O3	001214-20-6	45
4	4'-Methoxy-2-hydroxystilbene	226	C15H14O2	1000147-93-1	43
5	1,3-Diamino-5,6-dihydro-7-methyl...	226	C13H14N4	037436-37-6	43





Tentatively Identified Compound (LSC) summary

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF090419\
Data File : BF116816.D
Acq On : 4 Sep 2019 15:32
Operator : HP/JU
Sample : K4625-02 5X
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : HF-01

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF083019.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
.alpha.-Pinene	6.13	10.1	ng	214191	1	6.85	425050	20.0
Cyclohexane, 1-me...	6.56	5.9	ng	125041	1	6.85	425050	20.0
unknown6.61	6.61	16.0	ng	339730	1	6.85	425050	20.0
n-Hexadecanoic acid	11.89	2.0	ng	61005	4	11.36	600804	20.0
4b,8-Dimethyl-2-i...	12.31	4.4	ng	132351	4	11.36	600804	20.0
10,18-Bisnorabiet...	12.62	2.5	ng	75863	4	11.36	600804	20.0
Benzene, 1,3-dime...	13.05	2.8	ng	63412	5	13.99	455639	20.0
Retene	13.08	5.3	ng	120393	5	13.99	455639	20.0
Benzenamine, 3-ni...	13.30	3.2	ng	72923	5	13.99	455639	20.0