LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF081619\
Data File : BF116335.D
Acq On : 16 Aug 2019 23:18
Operator : HP/JU
Sample : K4377-01
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : RBR-50

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	2.140	3	9	38	rVB	2471628	3640811	93.02%	9.031%
2	3.904	306	309	324	rVB	63368	106021	2.71%	0.263%
3	5.081	506	509	521	rBV	27605	49855	1.27%	0.124%
4	5.451	568	572	618	rBV	3237113	3659660	93.51%	9.078%
5	6.463	739	744	762	rBV	3221875	3793819	96.93%	9.411%
6	6.592	762	766	781	rVB	3818159	3720425	95.06%	9.229%
7	6.816	801	804	815	rBV	985212	891676	22.78%	2.212%
8	6.975	827	831	849	rBV	3094097	2951761	75.42%	7.322%
9	7.381	896	900	916	rBV	2238223	2514991	64.26%	6.239%
10	8.098	1018	1022	1050	rBV	1109454	1130927	28.90%	2.805%
11	9.169	1200	1204	1216	rBV	4071785	3913826	100.00%	9.709%
12	9.563	1268	1271	1288	rBV	681704	662501	16.93%	1.643%
13	9.851	1316	1320	1335	rBV	1280729	1278036	32.65%	3.170%
14	10.639	1450	1454	1470	rBV	2397311	2515751	64.28%	6.241%
15	11.333	1569	1572	1575	rBV	1301315	1197392	30.59%	2.970%
16	11.357	1575	1576	1581	rVB	158298	146927	3.75%	0.364%
17	11.857	1656	1661	1671	rBV3	145742	264092	6.75%	0.655%
18	12.551	1776	1779	1785	rBV	302077	285619	7.30%	0.708%
19	12.639	1792	1794	1803	rBV5	30520	52079	1.33%	0.129%
20	12.780	1813	1818	1824	rBV	261095	281408	7.19%	0.698%
21	12.915	1836	1841	1844	rBV	3545779	3385962	86.51%	8.399%
22	13.310	1903	1908	1911	rBV3	38801	64390	1.65%	0.160%
23	13.757	1968	1984	1987	rBV5	61282	175997	4.50%	0.437%
24	13.804	1987	1992	1995	rBV4	121062	177023	4.52%	0.439%
25	13.974	2017	2021	2025	rBV	854068	991787	25.34%	2.460%
26	14.115	2043	2045	2049	rVB	45766	41321	1.06%	0.102%
27	14.421	2092	2097	2100	rBV2	94278	102020	2.61%	0.253%
28	14.721	2144	2148	2154	rVB	120928	130214	3.33%	0.323%
29	14.927	2177	2183	2194	rBV2	41354	151188	3.86%	0.375%
30	15.021	2195	2199	2201	rVV	115028	166108	4.24%	0.412%
31	15.045	2201	2203	2215	rVB2	182835	263954	6.74%	0.655%
32	15.233	2229	2235	2246	rBV3	26330	93966	2.40%	0.233%
33	15.321	2246	2250	2257	rVB	53074	75565	1.93%	0.187%
34	15.386	2257	2261	2263	rBV	64015	86504	2.21%	0.215%

LSC Area Percent Report

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Sample : K4377-01
Misc :
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Instrument : BNA_F
ClientSampleId : RBR-50

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	15.433	2263	2269	2284	rVB	586496	1020326	26.07%	2.531%
36	15.833	2332	2337	2345	rVB	92592	134913	3.45%	0.335%
37	16.315	2415	2419	2432	rVB2	47300	91124	2.33%	0.226%
38	16.927	2520	2523	2530	rVB2	28863	52982	1.35%	0.131%
39	17.368	2593	2598	2607	rBV2	21014	50334	1.29%	0.125%

Sum of corrected areas: 40313255

LSC Report - Integrated Chromatogram

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Sample : K4377-01
Misc :
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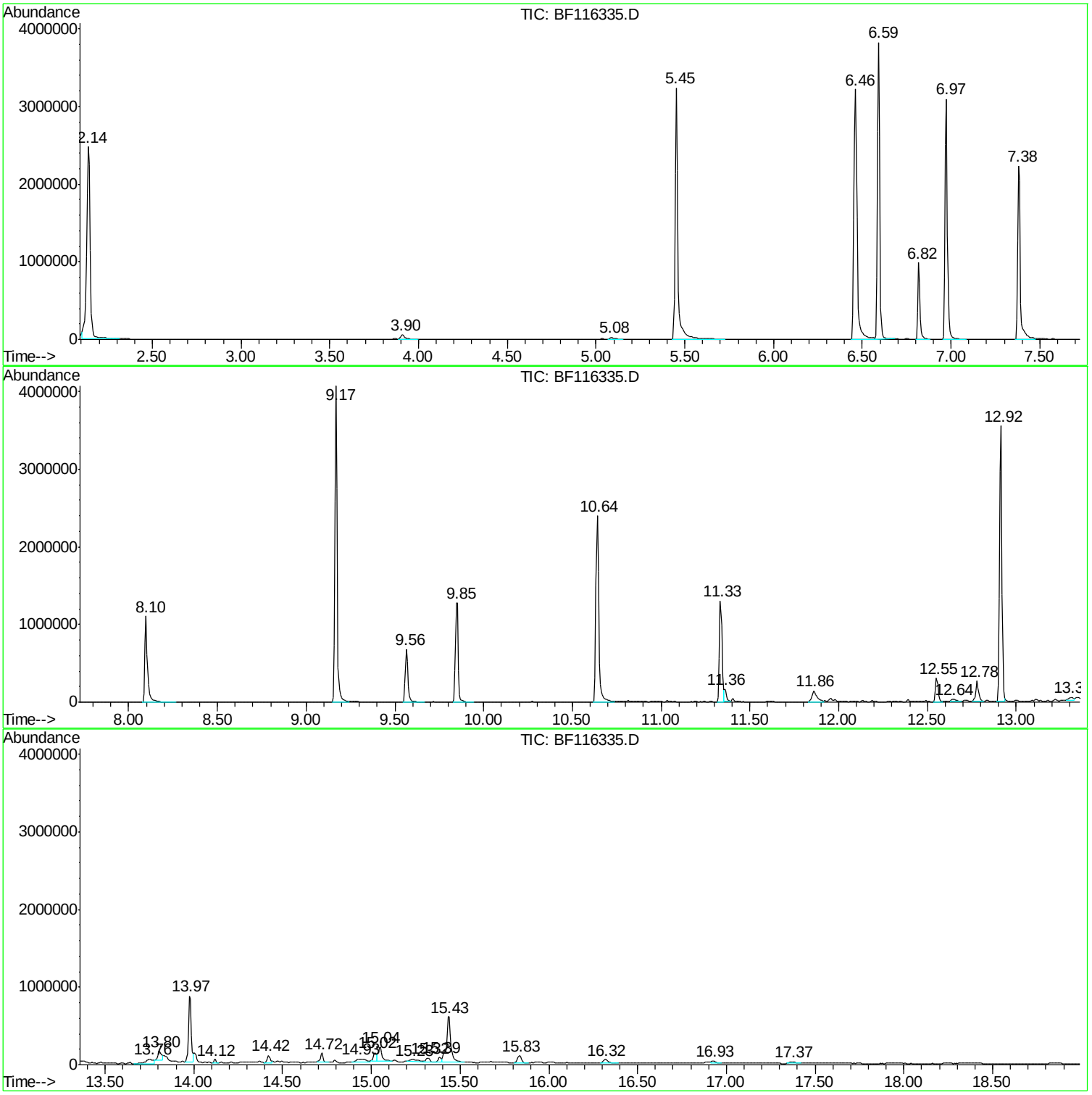
Instrument : BNA_F
ClientSampleId : RBR-50

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

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Operator : HP/JU
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ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : RBR-50

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

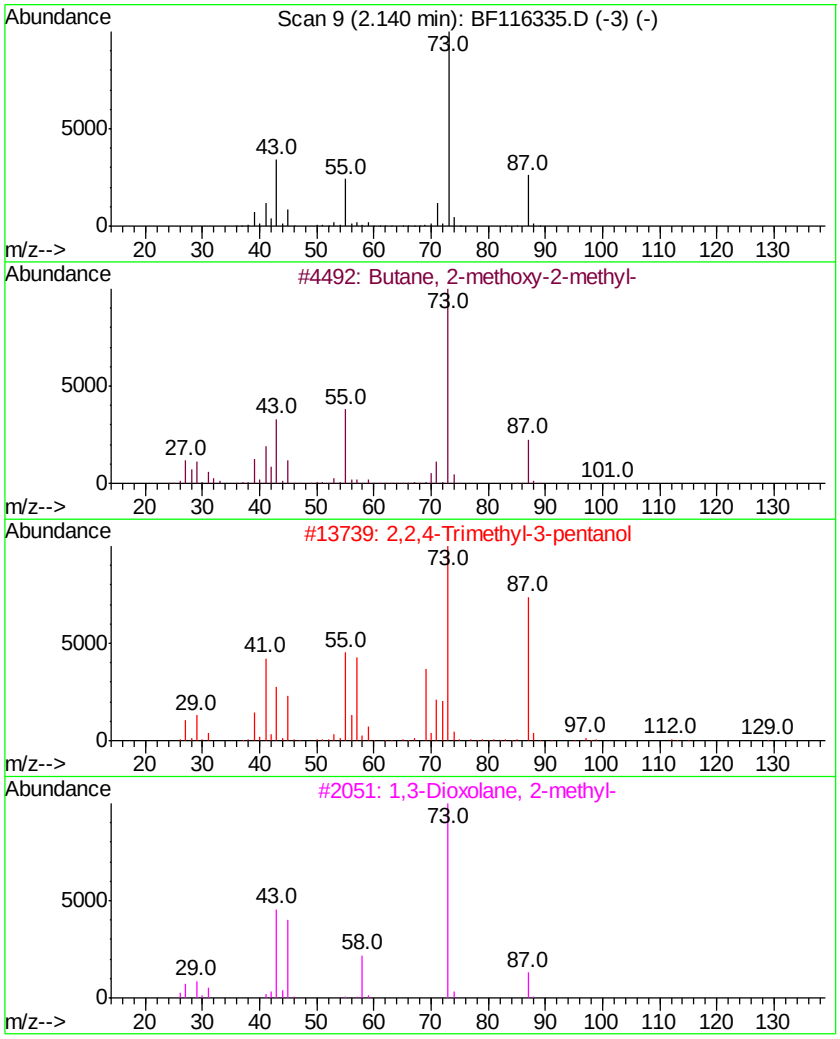
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

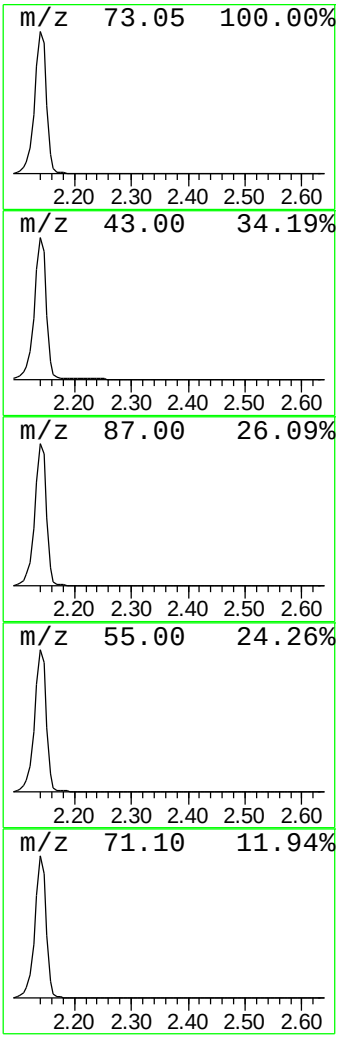
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.14	81.66 ng	3640810	1,4-Dichlorobenzene-d4	6.82

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	25
4	Pentane, 3-methoxy-	102	C6H14O	036839-67-5	23
5	Silane, tetramethyl-	88	C4H12Si	000075-76-3	17





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Operator : HP/JU
Sample : K4377-01
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : RBR-50

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

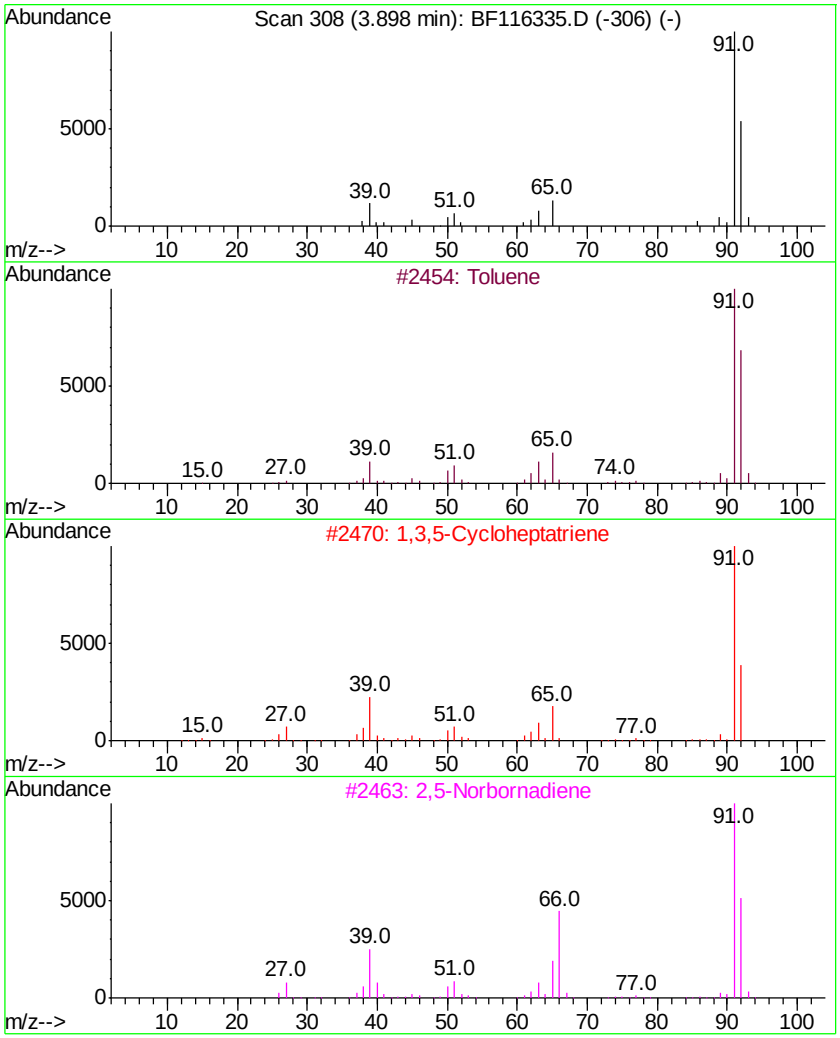
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

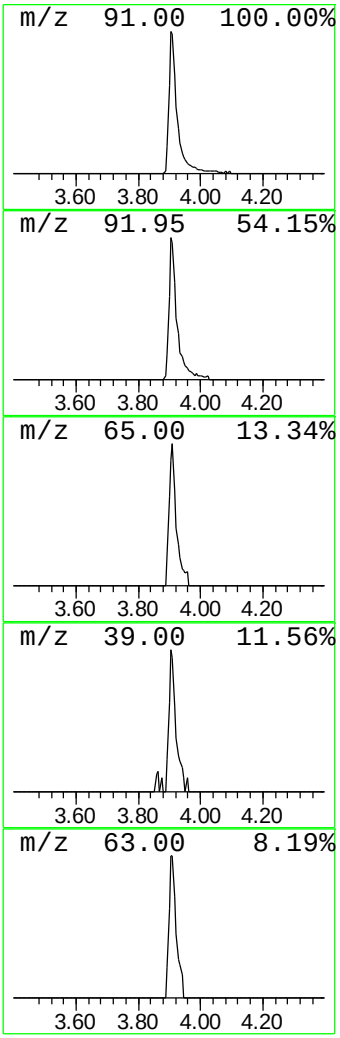
****

Peak Number 2 1,3,5-Cycloheptatriene Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.90	2.38 ng	106021	1,4-Dichlorobenzene-d4	6.82

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Toluene	92	C7H8	000108-88-3	95
2	1,3,5-Cycloheptatriene	92	C7H8	000544-25-2	90
3	2,5-Norbornadiene	92	C7H8	000121-46-0	83
4	Cyclobutene, 2-propenylidene-	92	C7H8	052097-85-5	64
5	Tetracyclo[3.2.0.0(2,7).0(4,6)]h...	92	C7H8	000278-06-8	58





Library Search Compound Report

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Data File : BF116335.D
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Sample : K4377-01
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : RBR-50

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

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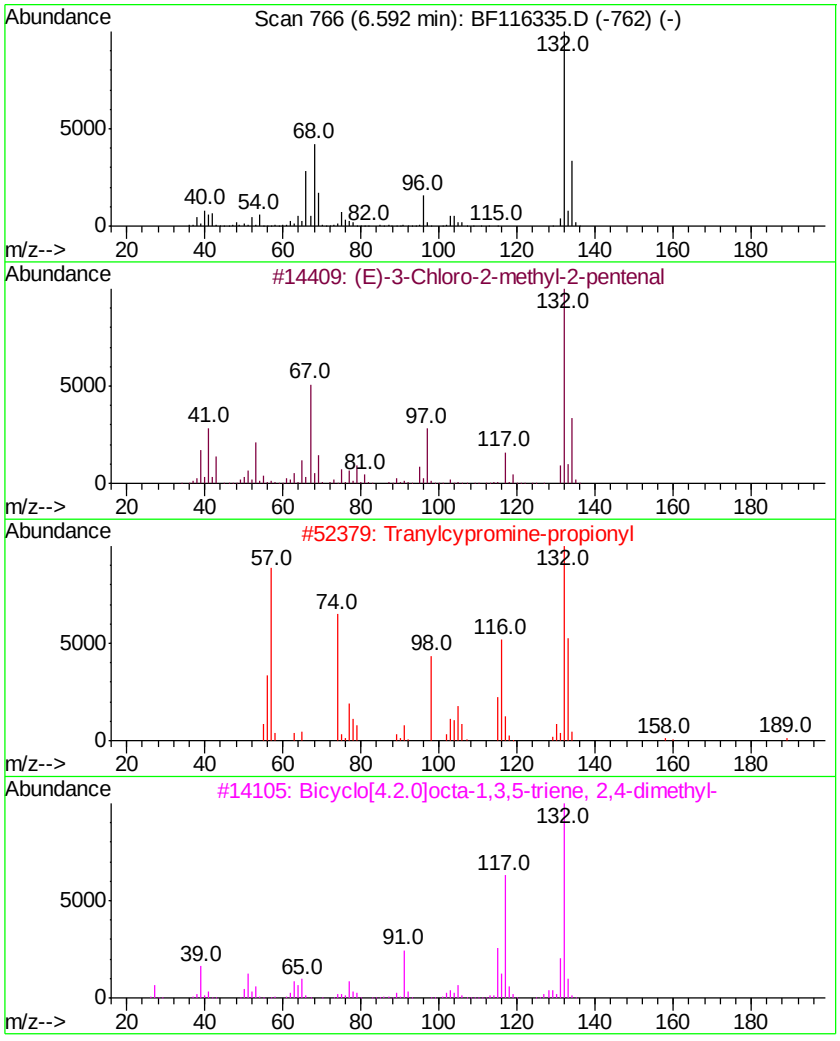
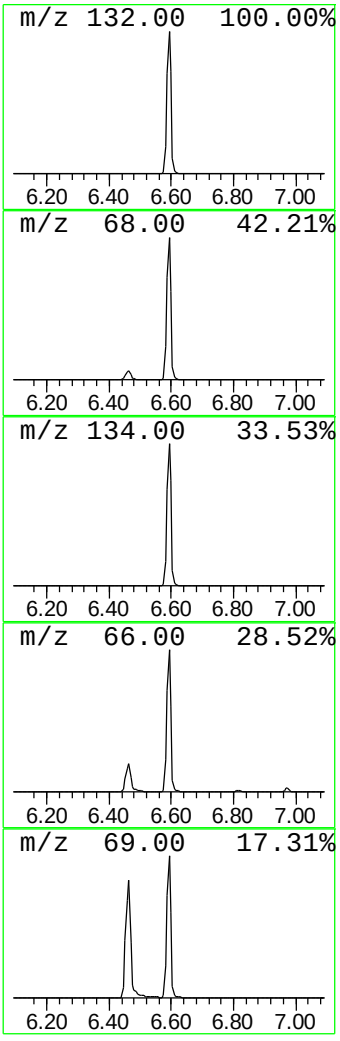
Peak Number 3 unknown6.59 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.59	83.45 ng	3720430	1,4-Dichlorobenzene-d4	6.82

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	(E)-3-Chloro-2-methyl-2-pentenal	132	C6H9ClO	031357-76-3	27
2	Tranylcypromine-propionyl	189	C12H15NO	1000123-86-3	12
3	Bicyclo[4.2.0]octa-1,3,5-triene,...	132	C10H12	028749-81-7	9
4	Benzene, 1-ethenyl-3,5-dimethyl-	132	C10H12	005379-20-4	9
5	Xenon	132	Xe	007440-63-3	9





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Instrument : BNA_F
ClientSampleId : RBR-50

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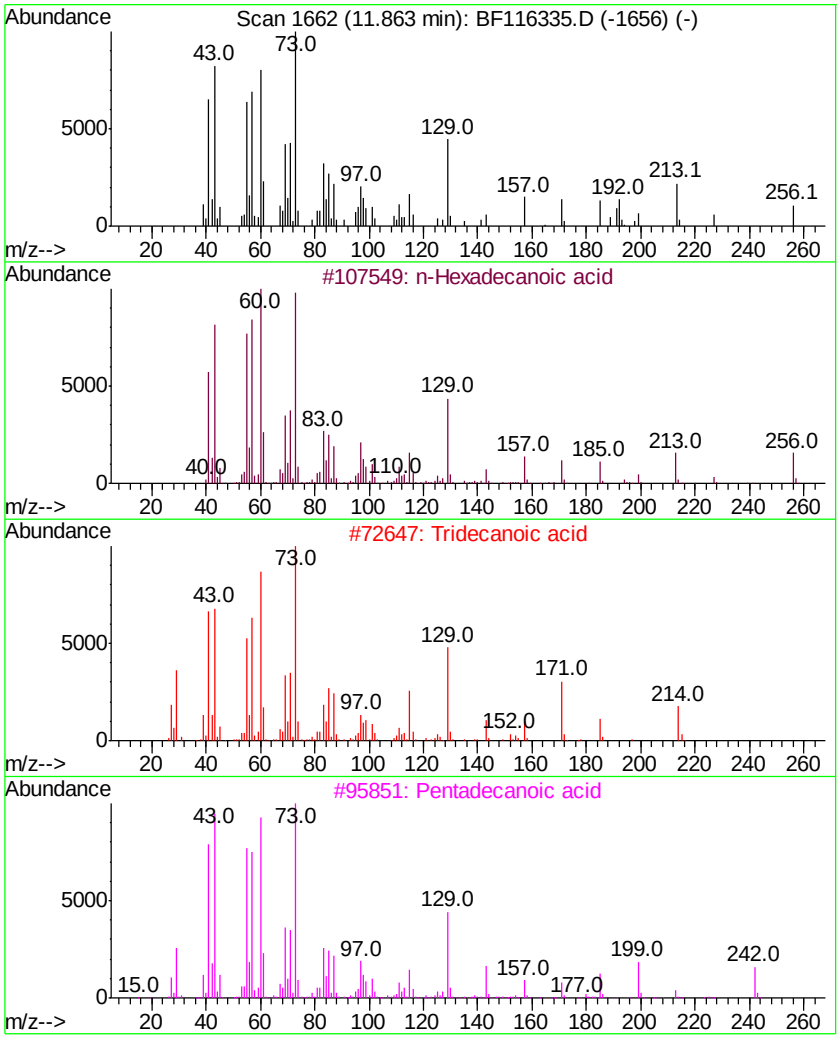
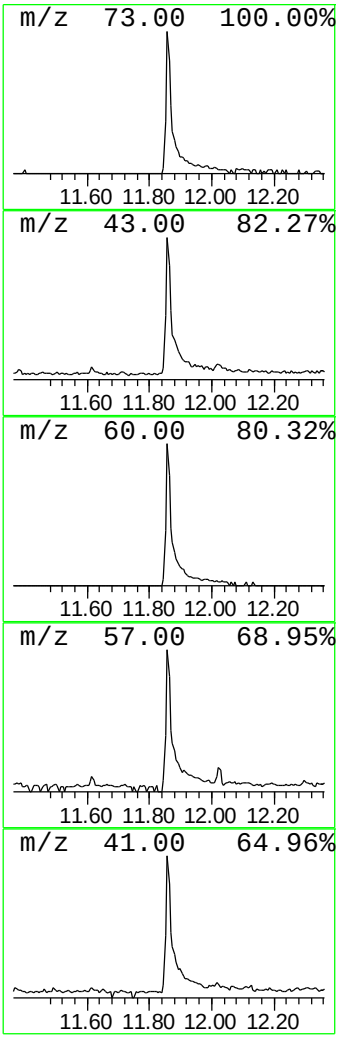
Peak Number 5 n-Hexadecanoic acid Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.86	4.41 ng	264092	Phenanthrene-d10	11.33

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	92
3	Pentadecanoic acid	242	C15H30O2	001002-84-2	90
4	Tetradecanoic acid	228	C14H28O2	000544-63-8	72
5	Tetradecane	198	C14H30	000629-59-4	25





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF081619\
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Sample : K4377-01
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : RBR-50

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

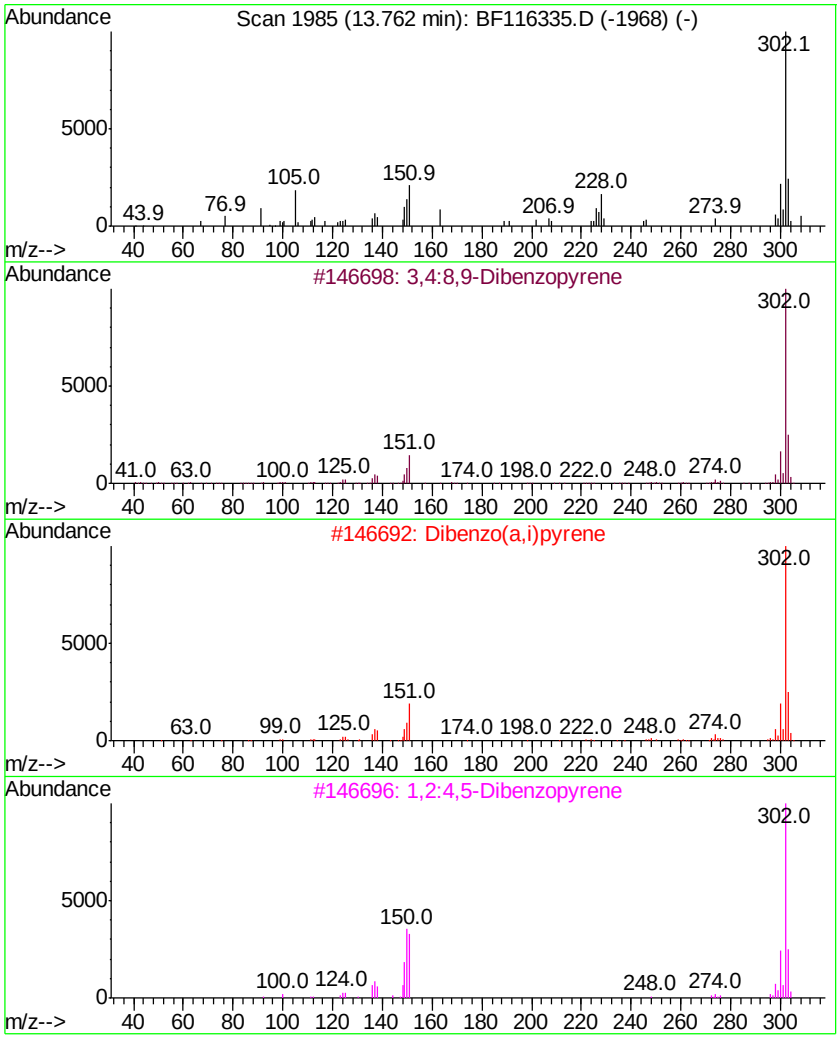
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

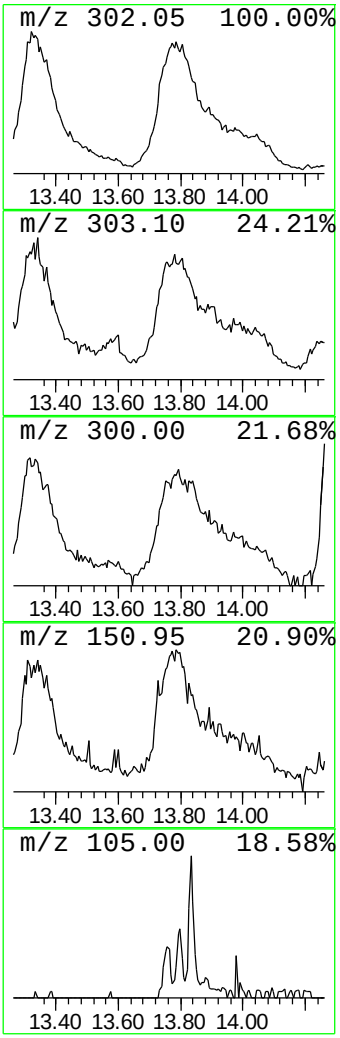
****

Peak Number 6 3,4:8,9-Dibenzopyrene Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.76	3.55 ng	175997	Chrysene-d12	13.98

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3,4:8,9-Dibenzopyrene	302	C24H14	000189-64-0	95
2	Dibenzo(a,i)pyrene	302	C24H14	000189-55-9	91
3	1,2:4,5-Dibenzopyrene	302	C24H14	000192-65-4	64
4	Dibenz(a,e)aceanthrylene	302	C24H14	005385-75-1	55
5	Dibenzo[fg,op]naphthacene	302	C24H14	000192-51-8	50





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Instrument : BNA_F
ClientSampleId : RBR-50

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

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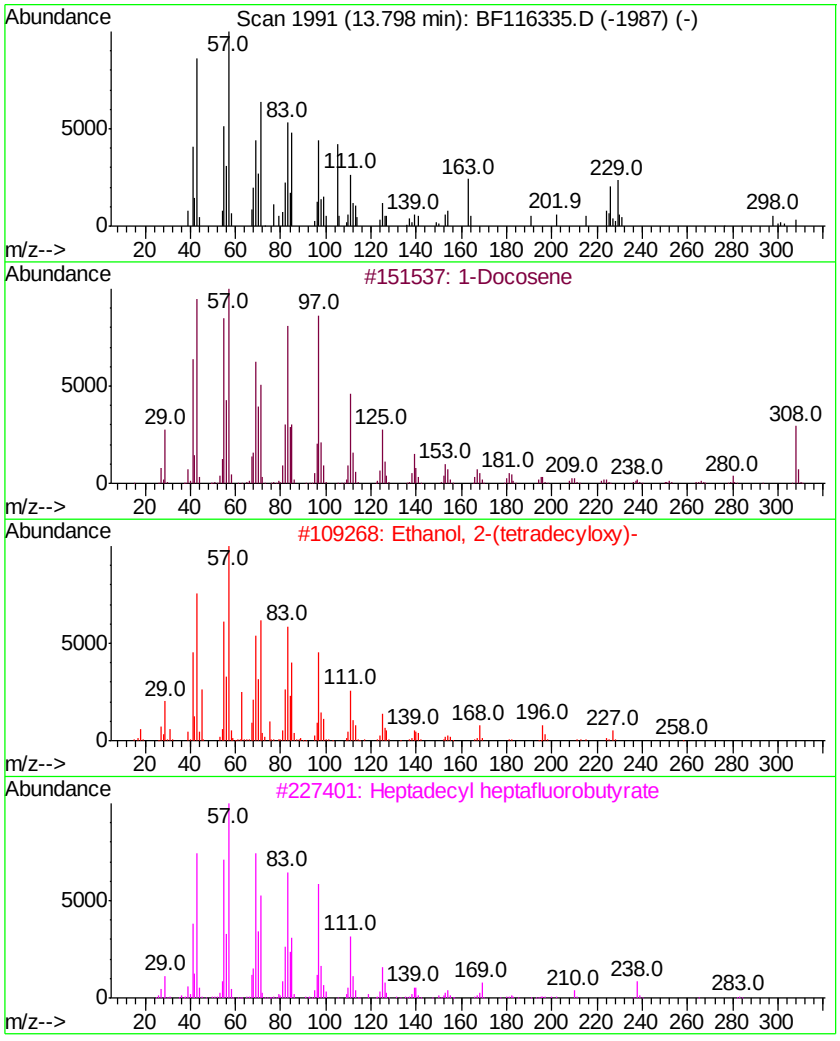
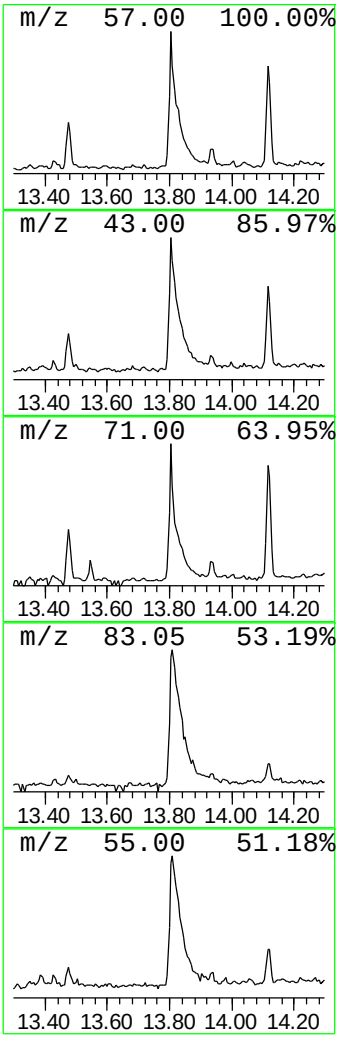
Peak Number 7 1-Docosene Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.80	3.57 ng	177023	Chrysene-d12	13.98

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Docosene	308	C22H44	001599-67-3	92
2	Ethanol, 2-(tetradecyloxy)-	258	C16H34O2	002136-70-1	87
3	Heptadecyl heptafluorobutyrate	452	C21H35F7O2	959085-66-6	64
4	1-Decanol, 2-hexyl-	242	C16H34O	002425-77-6	64
5	1-Dodecanol, 2-hexyl-	270	C18H38O	110225-00-8	64





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Instrument : BNA_F
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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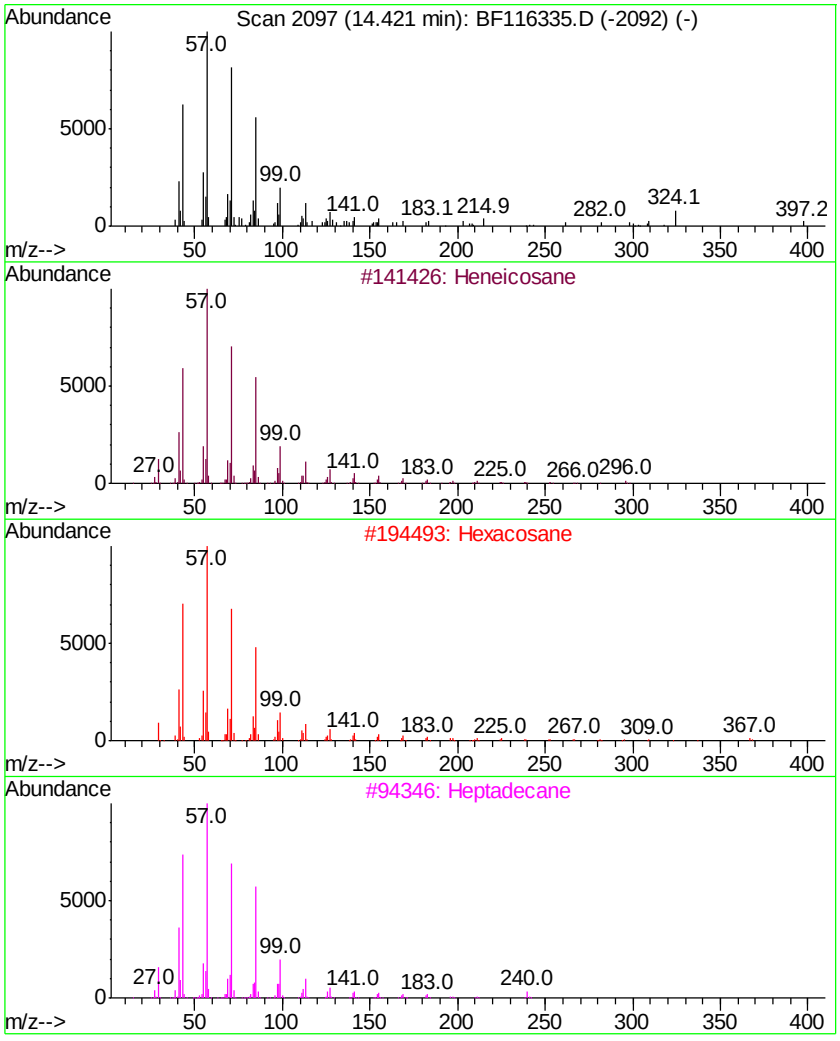
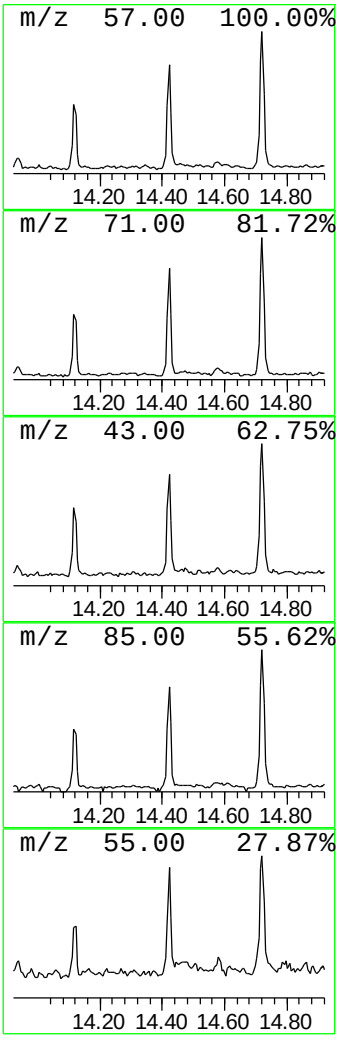
Peak Number 8 Heneicosane Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.42	2.06 ng	102020	Chrysene-d12	13.98

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heneicosane	296	C21H44	000629-94-7	90
2	Hexacosane	366	C26H54	000630-01-3	90
3	Heptadecane	240	C17H36	000629-78-7	90
4	Tetracosane	338	C24H50	000646-31-1	90
5	Eicosane	282	C20H42	000112-95-8	89





Library Search Compound Report

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Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : RBR-50

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

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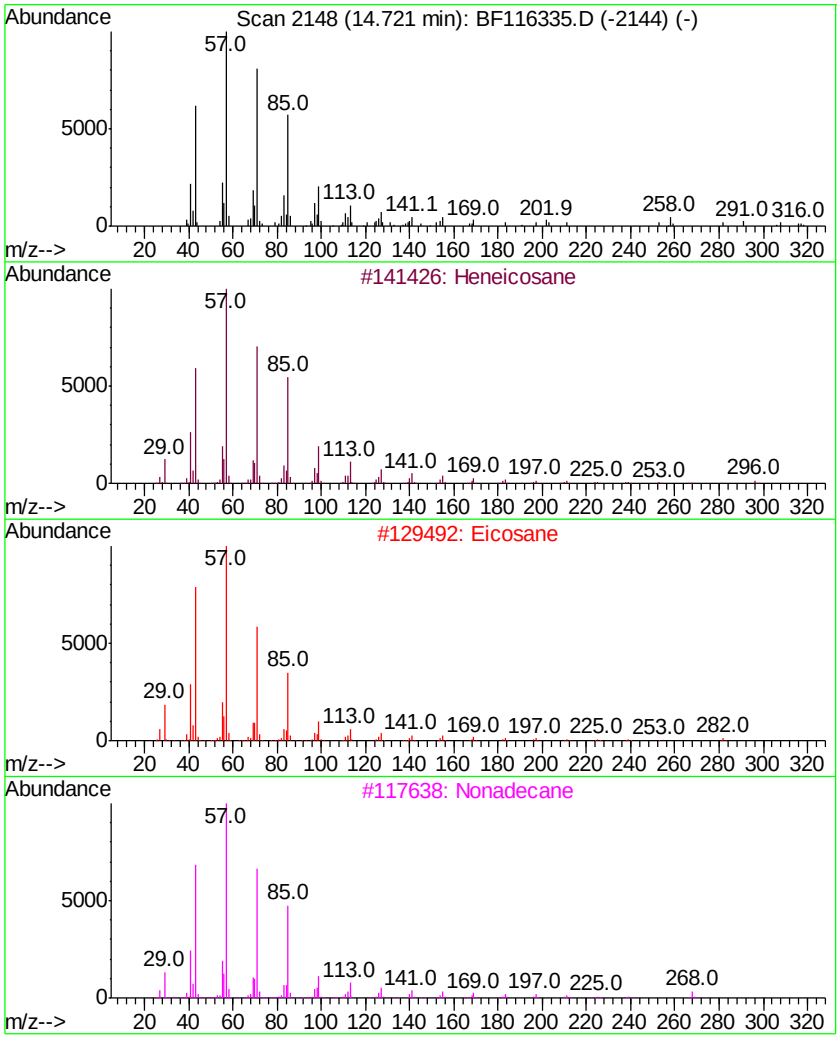
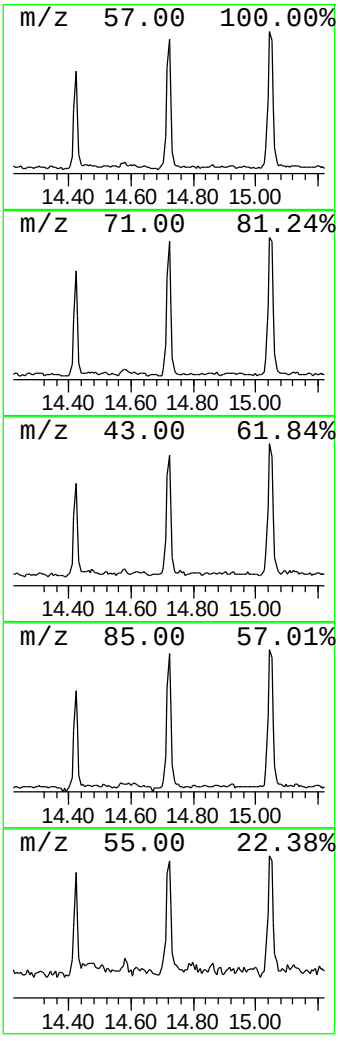
Peak Number 9 Eicosane Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.72	2.55 ng	130214	Perylene-d12	15.44

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heneicosane	296	C21H44	000629-94-7	90
2	Eicosane	282	C20H42	000112-95-8	89
3	Nonadecane	268	C19H40	000629-92-5	83
4	Heptadecane	240	C17H36	000629-78-7	80
5	5-Ethyl-5-methylnonadecane	310	C22H46	1000360-42-7	80





Library Search Compound Report

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Acq On : 16 Aug 2019 23:18
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Sample : K4377-01
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : RBR-50

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

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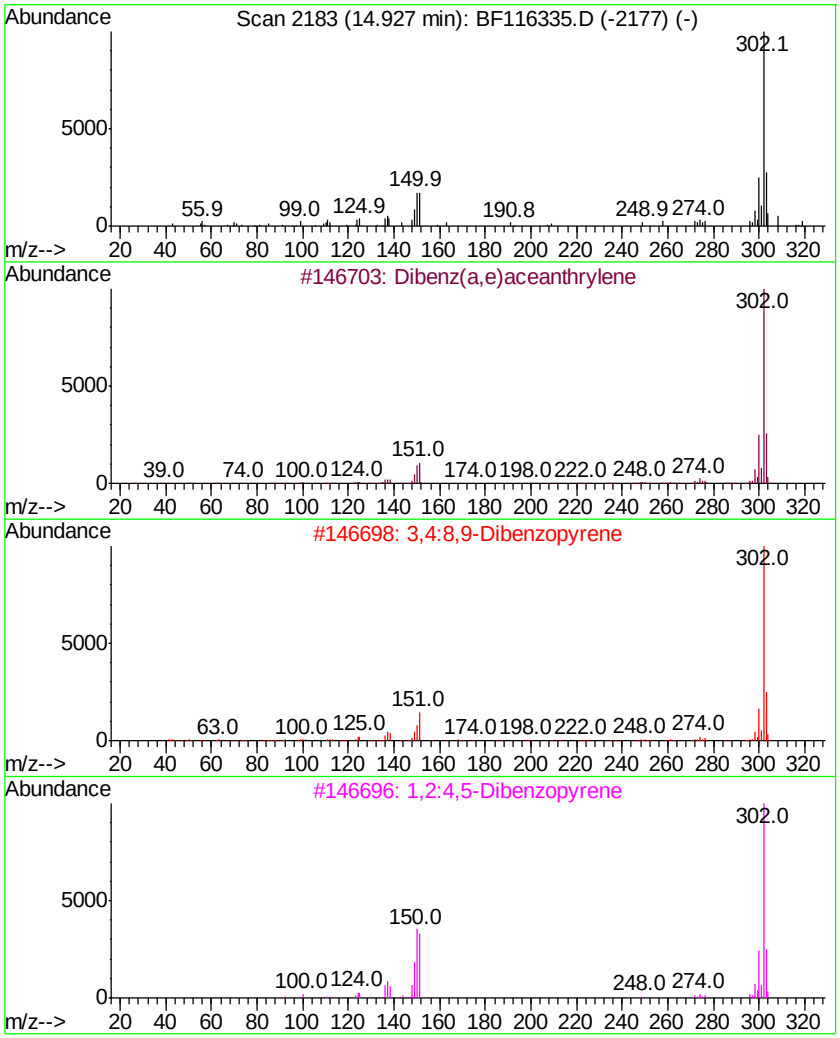
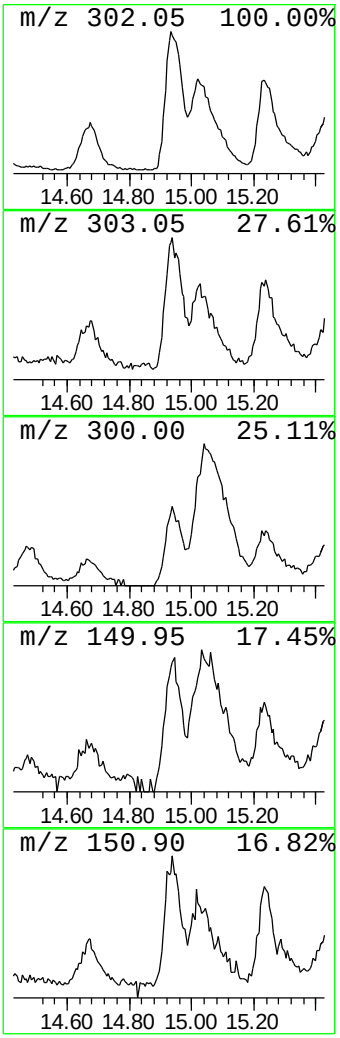
Peak Number 10 Dibenz(a,e)aceanthrylene Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.93	2.96 ng	151188	Perylene-d12	15.44

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenz(a,e)aceanthrylene	302	C24H14	005385-75-1	98
2	3,4:8,9-Dibenzopyrene	302	C24H14	000189-64-0	95
3	1,2:4,5-Dibenzopyrene	302	C24H14	000192-65-4	94
4	Dibenzo(a,i)pyrene	302	C24H14	000189-55-9	94
5	1,2,9,10-Dibenzopyrene	302	C24H14	000191-30-0	83





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF081619\
Data File : BF116335.D
Acq On : 16 Aug 2019 23:18
Operator : HP/JU
Sample : K4377-01
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : RBR-50

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

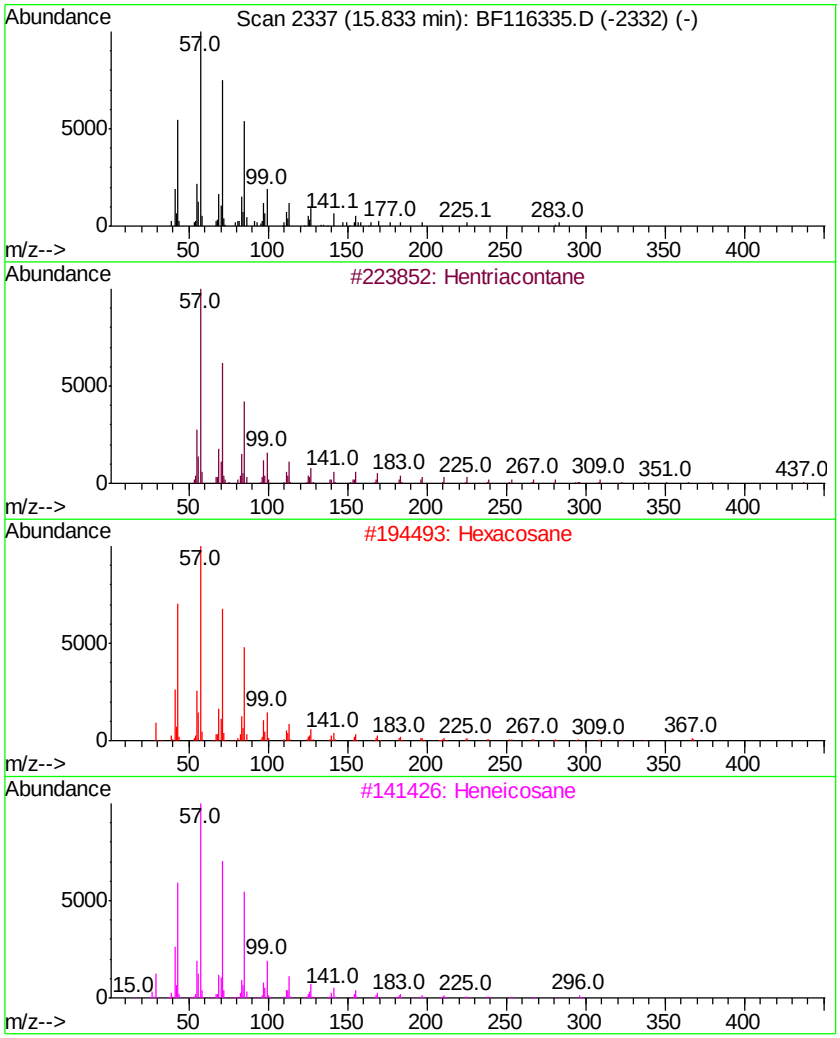
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

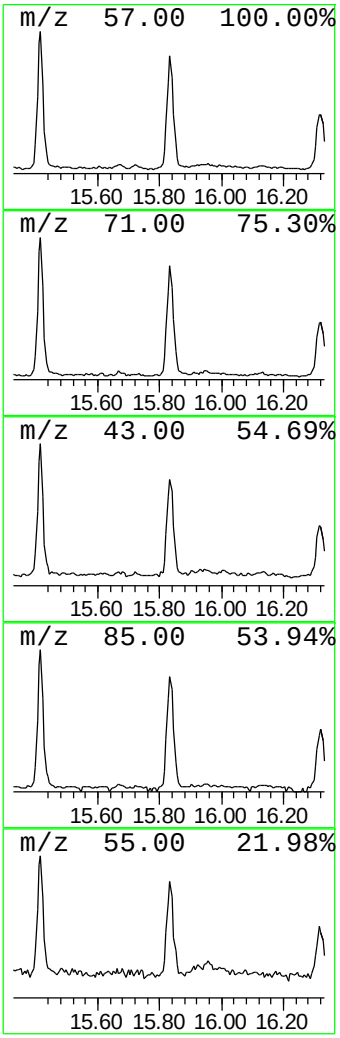
****

Peak Number 11 Hentriacontane Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.83	2.64 ng	134913	Perylene-d12	15.44

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hentriacontane	437	C31H64	000630-04-6	91
2	Hexacosane	366	C26H54	000630-01-3	91
3	Heneicosane	296	C21H44	000629-94-7	91
4	Eicosane	282	C20H42	000112-95-8	91
5	Heptadecane	240	C17H36	000629-78-7	91





Tentatively Identified Compound (LSC) summary

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF081619\
Data File : BF116335.D
Acq On : 16 Aug 2019 23:18
Operator : HP/JU
Sample : K4377-01
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : RBR-50

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...	2.14	81.7	ng	3640810	1	6.82	891676	20.0
1,3,5-Cycloheptat...	3.90	2.4	ng	106021	1	6.82	891676	20.0
unknown6.59	6.59	83.5	ng	3720430	1	6.82	891676	20.0
n-Hexadecanoic acid	11.86	4.4	ng	264092	4	11.33	1197390	20.0
3,4:8,9-Dibenzopy...	13.76	3.5	ng	175997	5	13.98	991787	20.0
1-Docosene	13.80	3.6	ng	177023	5	13.98	991787	20.0
Heneicosane	14.42	2.1	ng	102020	5	13.98	991787	20.0
Eicosane	14.72	2.5	ng	130214	6	15.44	1020330	20.0
Dibenz(a,e)aceant...	14.93	3.0	ng	151188	6	15.44	1020330	20.0
Hentriacontane	15.83	2.6	ng	134913	6	15.44	1020330	20.0