LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF080417\
Data File : BF097356.D
Acq On : 4 Aug 2017 15:21
Operator : SJ/JU
Sample : I4588-06
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : E2-CONCRETE-BATCH-17

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:\HPCHEM1\BNA_F\METHODS\8270-BF072517.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	3.851	347	351	361	rBV	44754	101926	2.38%	0.425%
2	4.593	468	477	480	rBV	2296888	4284964	100.00%	17.847%
3	5.040	550	553	574	rBV	1300596	1506067	35.15%	6.273%
4	6.104	731	734	745	rBV	1936305	2216332	51.72%	9.231%
5	6.210	749	752	760	rVB	1859396	1707509	39.85%	7.112%
6	6.439	787	791	798	rBV	581751	561109	13.09%	2.337%
7	6.592	813	817	826	rBV	1749782	1655665	38.64%	6.896%
8	7.010	883	888	902	rVB	1427153	1425792	33.27%	5.938%
9	7.722	1005	1009	1019	rVB	799965	825251	19.26%	3.437%
10	8.433	1126	1130	1135	rBV	128445	111468	2.60%	0.464%
11	8.528	1143	1146	1150	rVB	90845	78366	1.83%	0.326%
12	8.798	1187	1192	1195	rBV	2361998	2309304	53.89%	9.618%
13	8.892	1204	1208	1212	rVB3	45017	51471	1.20%	0.214%
14	8.992	1218	1225	1231	rVB2	30274	46864	1.09%	0.195%
15	9.057	1232	1236	1241	rBV	59118	80210	1.87%	0.334%
16	9.128	1245	1248	1251	rVV	85703	99656	2.33%	0.415%
17	9.157	1251	1253	1257	rVV	50398	57809	1.35%	0.241%
18	9.198	1257	1260	1264	rVV	252293	240855	5.62%	1.003%
19	9.245	1264	1268	1274	rVV3	26245	49295	1.15%	0.205%
20	9.422	1294	1298	1300	rBV	49436	51564	1.20%	0.215%
21	9.463	1300	1305	1309	rVV	826118	803568	18.75%	3.347%
22	9.575	1319	1324	1329	rBV2	33701	50984	1.19%	0.212%
23	9.645	1333	1336	1338	rVV	70024	63264	1.48%	0.263%
24	9.916	1379	1382	1386	rVB	80443	66126	1.54%	0.275%
25	10.133	1411	1419	1422	rBV3	34706	62355	1.46%	0.260%
26	10.245	1435	1438	1444	rBV	860639	788279	18.40%	3.283%
27	10.386	1459	1462	1469	rVB	97859	130293	3.04%	0.543%
28	10.827	1533	1537	1540	rBV3	65560	58291	1.36%	0.243%
29	10.933	1551	1555	1563	rVB	889817	790053	18.44%	3.291%
30	12.516	1819	1824	1827	rBV2	2195259	2268504	52.94%	9.448%
31	13.433	1975	1980	1994	rBV2	87905	152237	3.55%	0.634%
32	13.551	1996	2000	2008	rVB	784950	749623	17.49%	3.122%
33	14.886	2223	2227	2232	rBV	482834	564333	13.17%	2.350%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF080417\
Data File : BF097356.D
Acq On : 4 Aug 2017 15:21
Operator : SJ/JU
Sample : I4588-06
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : E2-CONCRETE-BATCH-17

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:\HPCHEM1\BNA_F\METHODS\8270-BF072517.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

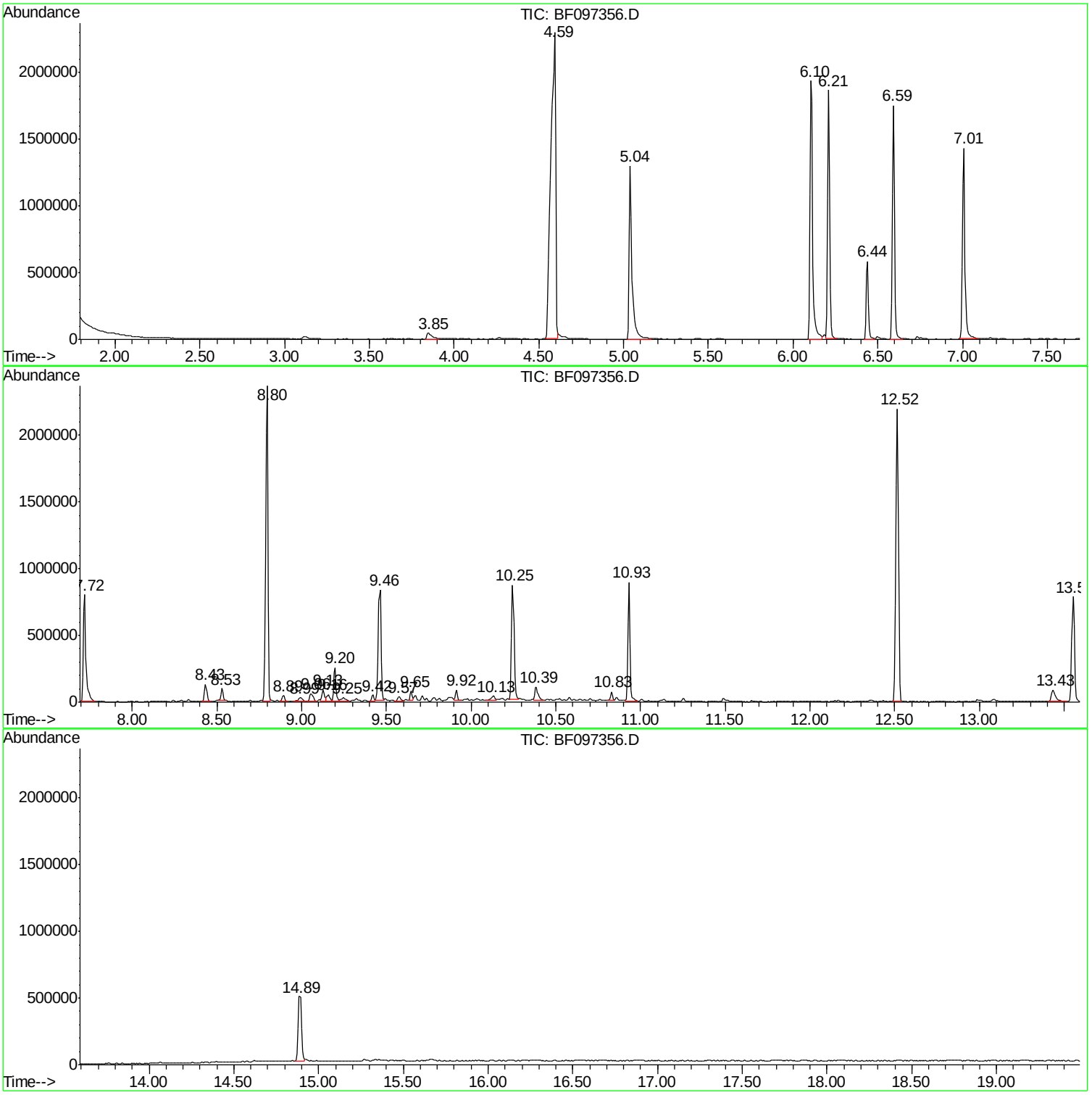
Sum of corrected areas: 24009387

Data Path : Z:\HPCHEM1\BNA F\DATA\BF080417\
Data File : BF097356.D
Acq On : 4 Aug 2017 15:21
Operator : SJ/JU
Sample : I4588-06
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
E2-CONCRETE-BATCH-17

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF072517.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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Sample : I4588-06
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Instrument : BNA_F
ClientSampleId : E2-CONCRETE-BATCH-17

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF072517.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

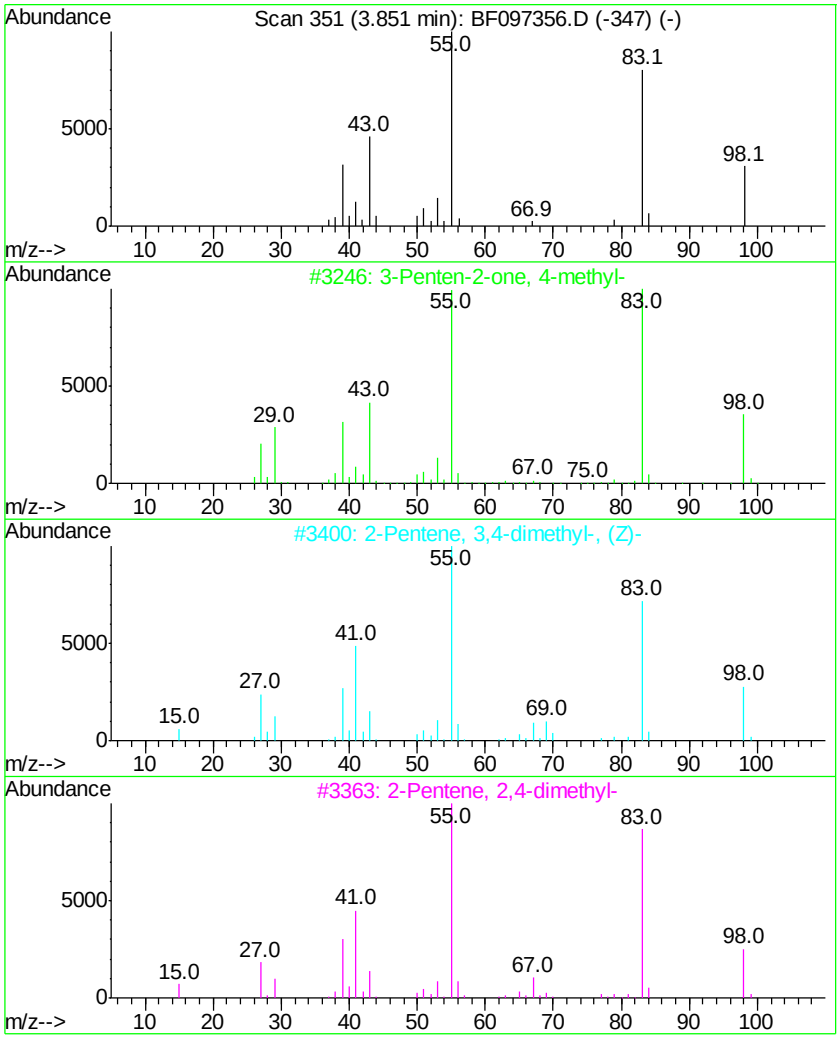
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

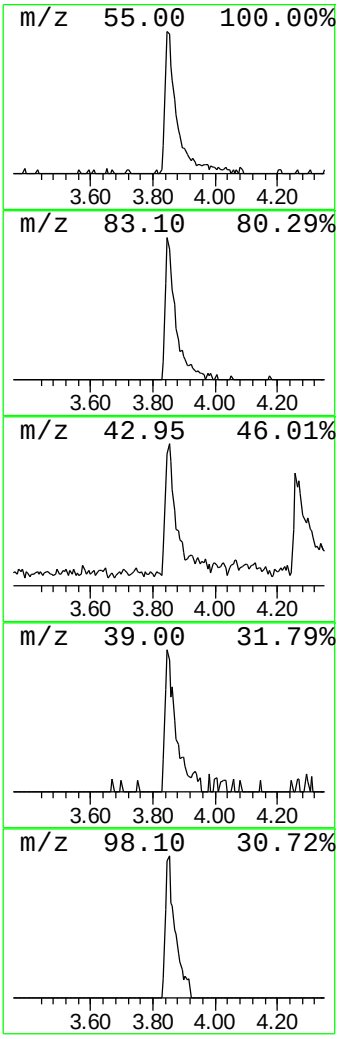
****

Peak Number 1 3-Penten-2-one, 4-methyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.85	3.63 ng	101926	1,4-Dichlorobenzene-d4	6.44

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Penten-2-one, 4-methyl-	98	C6H10O	000141-79-7	86
2	2-Pentene, 3,4-dimethyl-, (Z)-	98	C7H14	004914-91-4	80
3	2-Pentene, 2,4-dimethyl-	98	C7H14	000625-65-0	80
4	2-Pentene, 3,4-dimethyl-, (E)-	98	C7H14	004914-92-5	72
5	3-Hexen-2-one	98	C6H10O	000763-93-9	72





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Data File : BF097356.D
Acq On : 4 Aug 2017 15:21
Operator : SJ/JU
Sample : I4588-06
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : E2-CONCRETE-BATCH-17

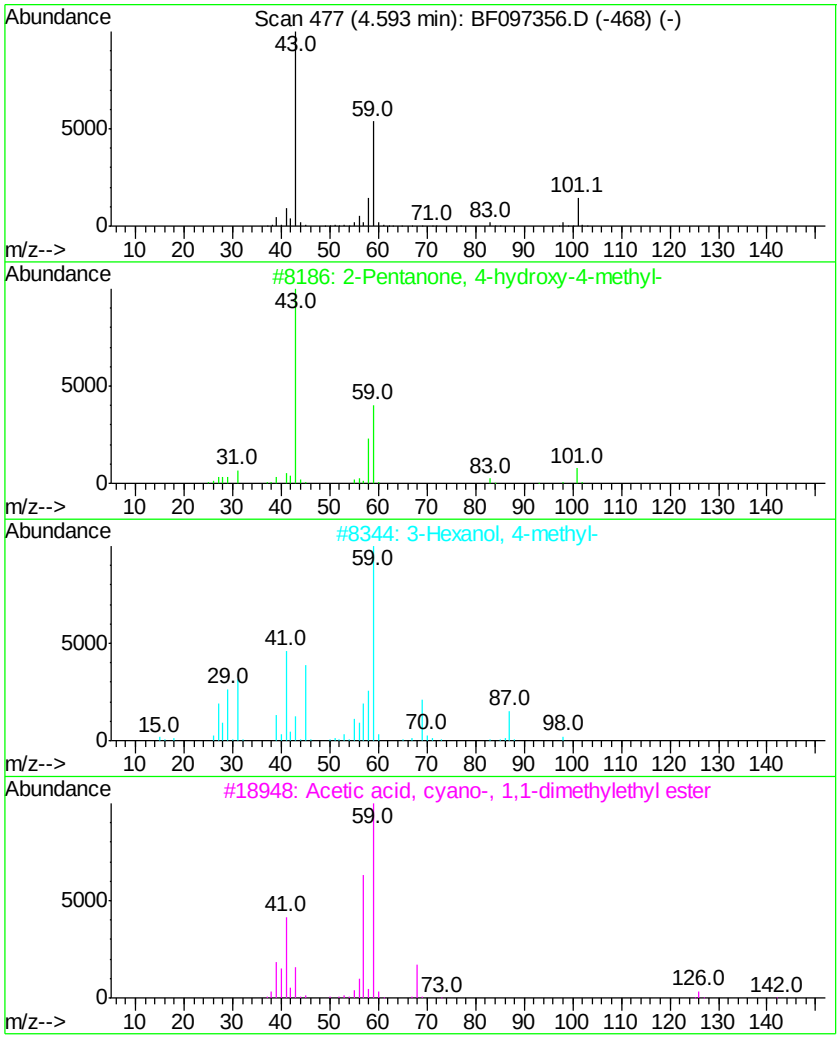
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF072517.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

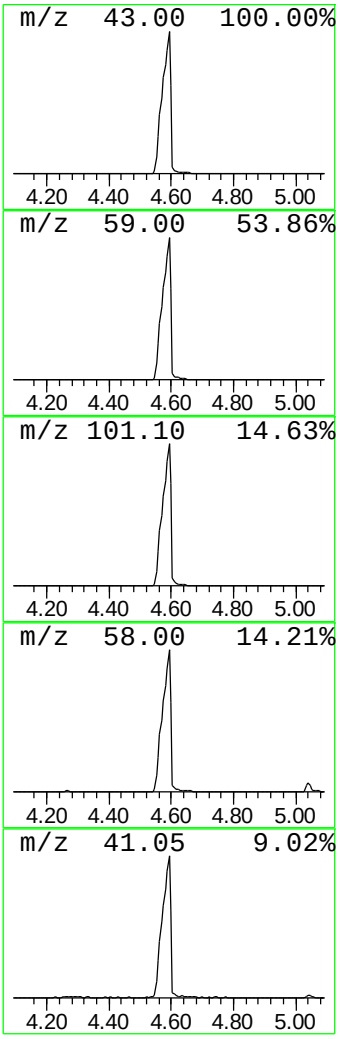
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 2 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.59	152.73 ng	4284960	1,4-Dichlorobenzene-d4	6.44

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	50
2	3-Hexanol, 4-methyl-	116	C7H16O	000615-29-2	33
3	Acetic acid, cyano-, 1,1-dimethy...	141	C7H11NO2	001116-98-9	32
4	2,3-Butanedione, monooxime	101	C4H7NO2	000057-71-6	9
5	Ethanol, pentamethyl-	116	C7H16O	000594-83-2	9





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Operator : SJ/JU
Sample : I4588-06
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : E2-CONCRETE-BATCH-17

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF072517.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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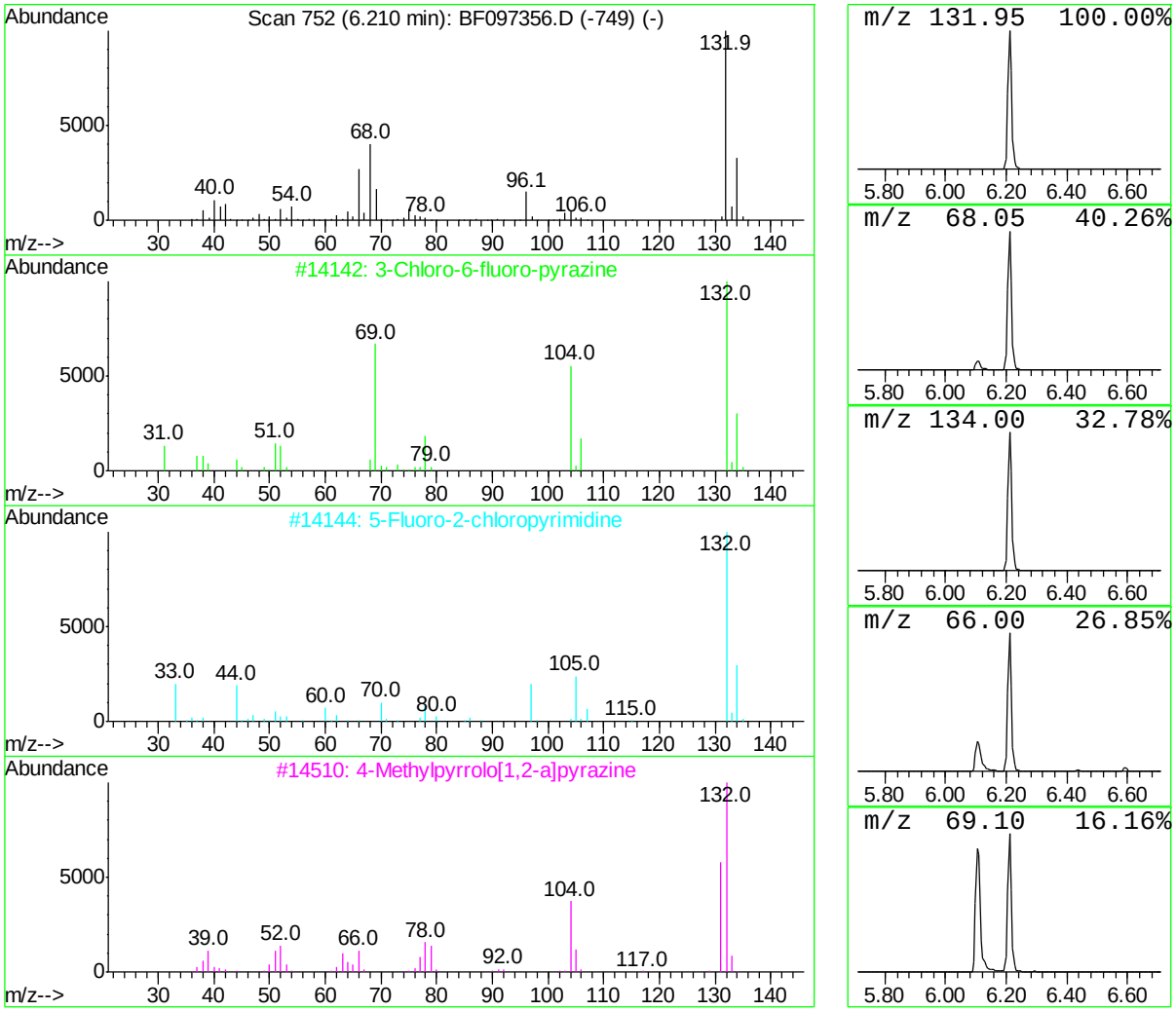
Peak Number 3 unknown6.21 Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.21	60.86 ng	1707510	1,4-Dichlorobenzene-d4	6.44

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	27
2	5-Fluoro-2-chloropyrimidine	132	C4H2ClFN2	062802-42-0	16
3	4-Methylpyrrolo[1,2-a]pyrazine	132	C8H8N2	064608-60-2	9
4	1-Methylpyrrolo[1,2-a]pyrazine	132	C8H8N2	064608-59-9	9
5	2H-Cyclopenta[d]pyridazine, 2-me...	132	C8H8N2	022291-85-6	9



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Sample : I4588-06
Misc :
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Instrument : BNA_F
ClientSampleId : E2-CONCRETE-BATCH-17

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF072517.M
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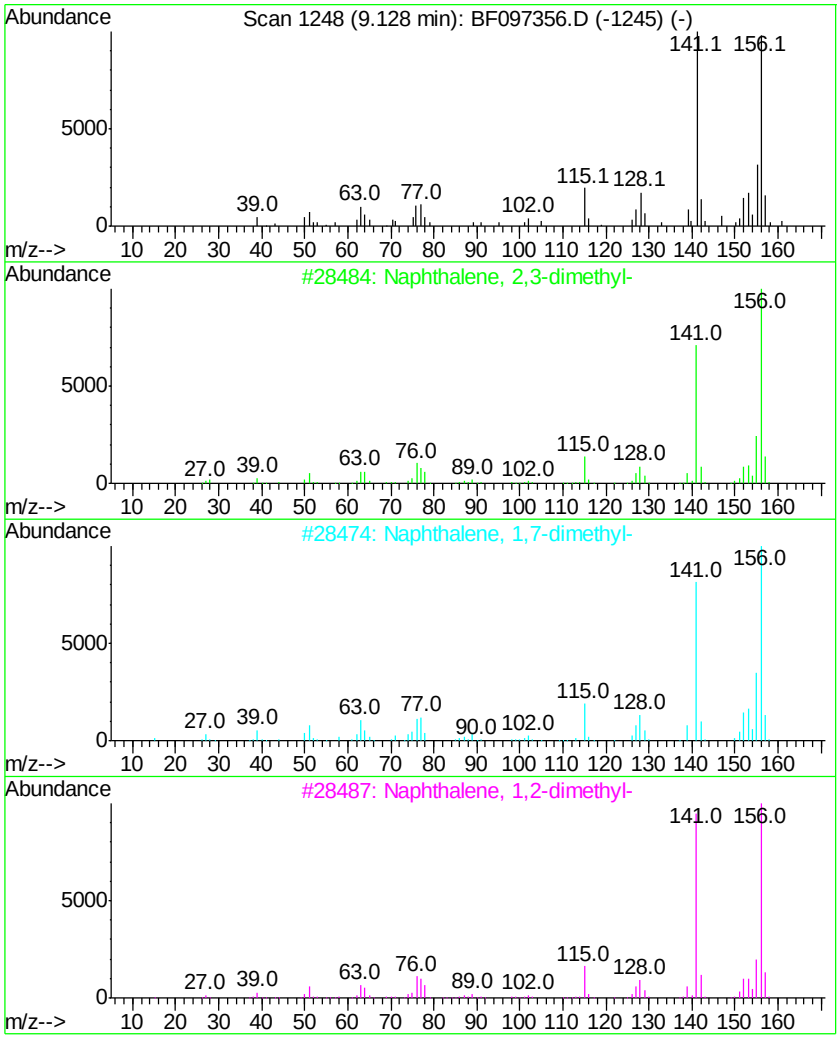
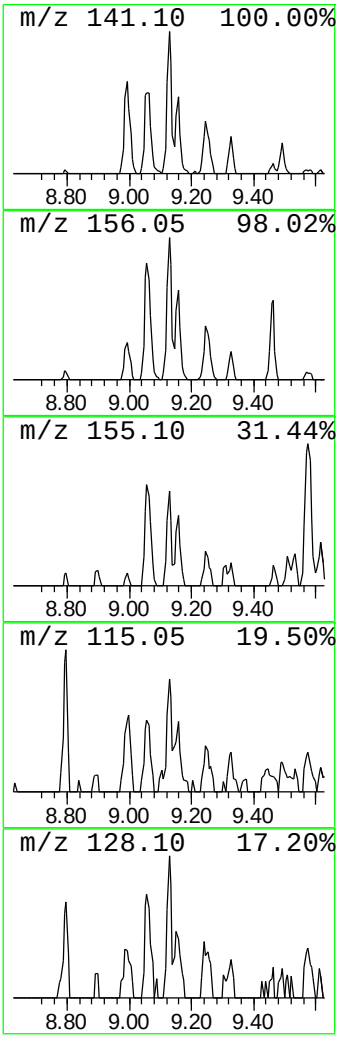
Peak Number 5 Naphthalene, 2,3-dimethyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.13	2.48 ng	99656	Acenaphthene-d10	9.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	97
2	Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	97
3	Naphthalene, 1,2-dimethyl-	156	C12H12	000573-98-8	97
4	Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	96
5	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	96





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Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : E2-CONCRETE-BATCH-17

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF072517.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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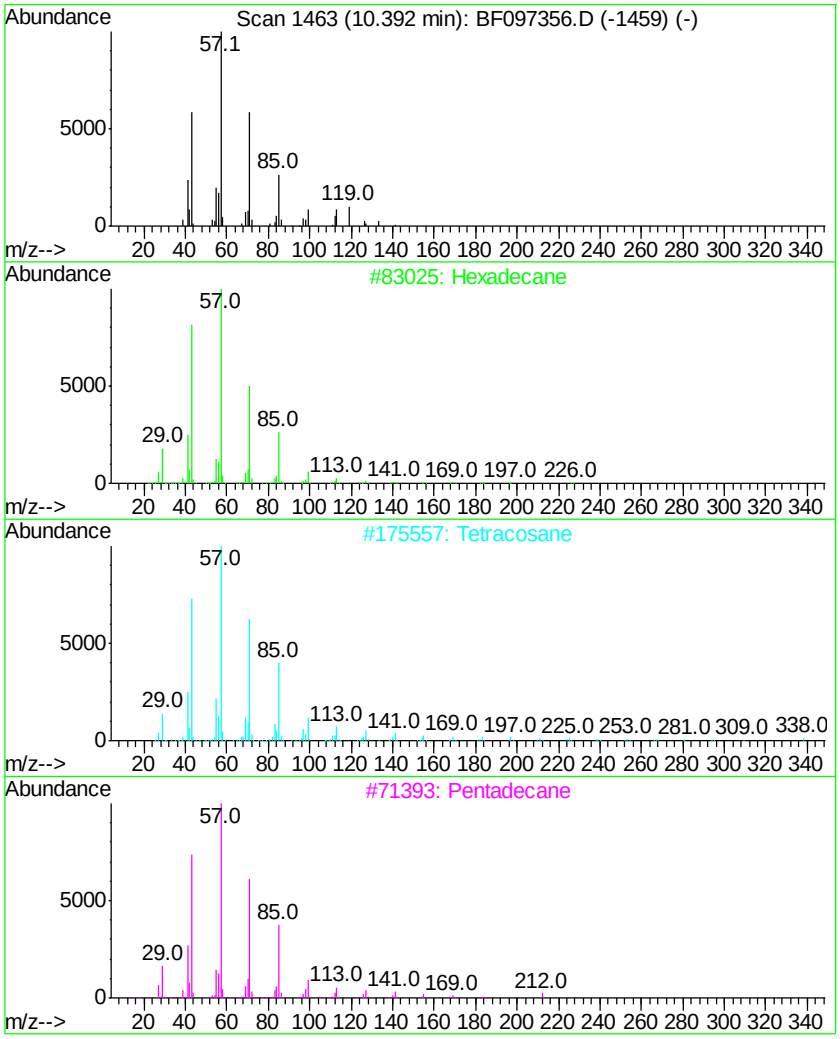
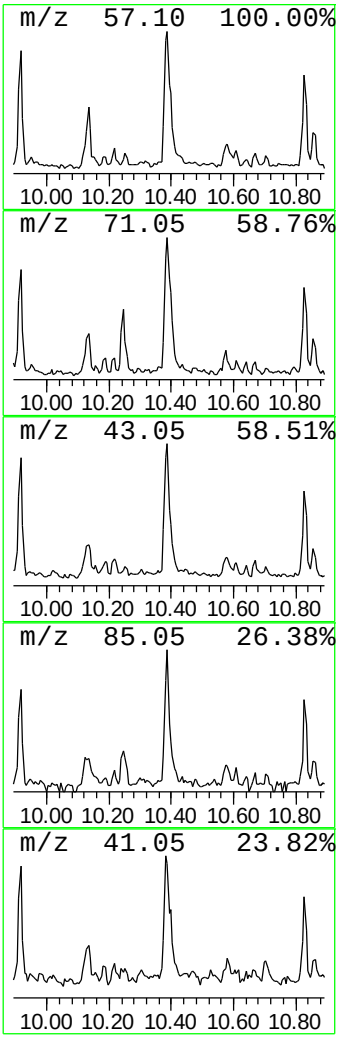
Peak Number 6 Hexadecane Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.39	3.30 ng	130293	Phenanthrene-d10	10.93

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexadecane	226	C16H34	000544-76-3	90
2	Tetracosane	338	C24H50	000646-31-1	86
3	Pentadecane	212	C15H32	000629-62-9	83
4	Silane, trichlorooctadecyl-	386	C18H37Cl3Si	000112-04-9	83
5	Heptadecane	240	C17H36	000629-78-7	83





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF080417\
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Operator : SJ/JU
Sample : I4588-06
Misc :
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Instrument : BNA_F
ClientSampleId : E2-CONCRETE-BATCH-17

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF072517.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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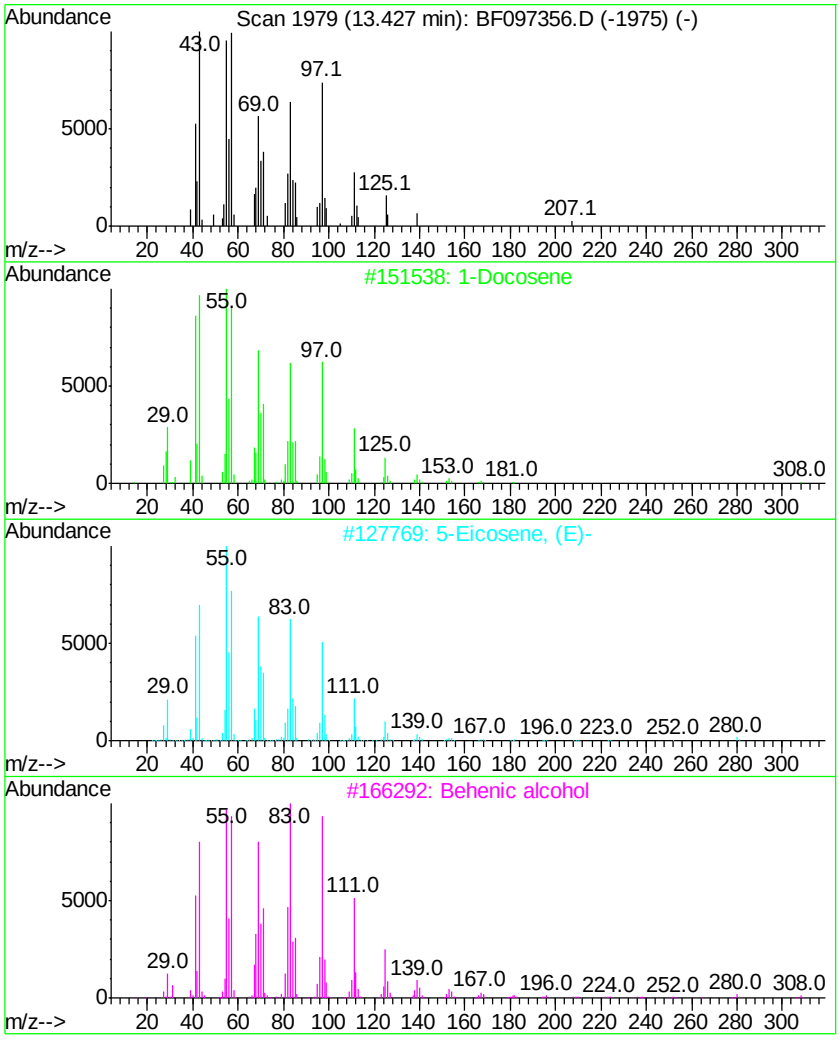
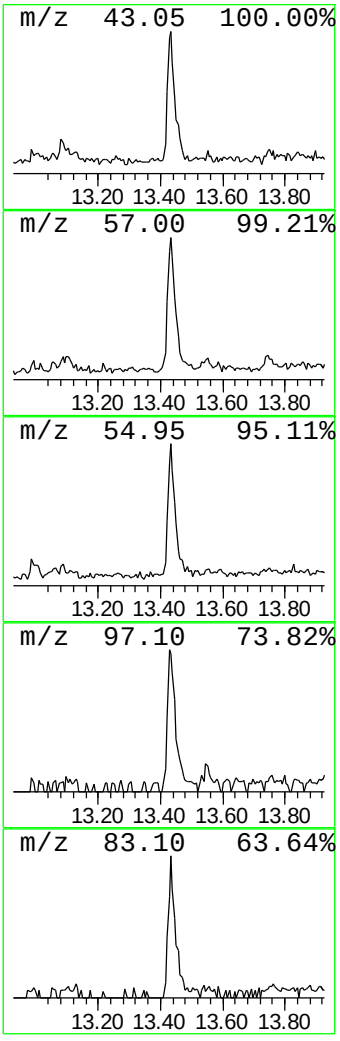
Peak Number 7 1-Docosene Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.43	4.06 ng	152237	Chrysene-d12	13.55

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Docosene	308	C22H44	001599-67-3	95
2	5-Eicosene, (E)-	280	C20H40	074685-30-6	91
3	Behenic alcohol	326	C22H46O	000661-19-8	91
4	n-Tetracosanol-1	354	C24H50O	000506-51-4	91
5	1-Nonadecene	266	C19H38	018435-45-5	91





Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF080417\
Data File : BF097356.D
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Instrument : BNA_F
ClientSampleId : E2-CONCRETE-BATCH-17

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF072517.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
3-Penten-2-one, 4...	3.85	3.6	ng	101926	1	6.44	561109	20.0
2-Pentanone, 4-hy...	4.59	152.7	ng	4284960	1	6.44	561109	20.0
unknown6.21	6.21	60.9	ng	1707510	1	6.44	561109	20.0
Naphthalene, 2,3-...	9.13	2.5	ng	99656	3	9.46	803568	20.0
Hexadecane	10.39	3.3	ng	130293	4	10.93	790053	20.0
1-Docosene	13.43	4.1	ng	152237	5	13.55	749623	20.0