

Data Path : Z:\HPCHEM1\BNA F\DATA\BF102017\
 Data File : BF099719.D
 Acq On : 21 Oct 2017 1:35
 Operator : SJ/JU
 Sample : I5982-01 5X
 Misc :
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 MARION-CONCRETE-PILE

Manual Integrations
 APPROVED

Sohil
 10/23/2017 3:27:05 PM

Quant Time: Oct 21 22:11:15 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF092317.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Oct 20 13:11:43 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.81	152	84074	20.00	ng	-0.01
21) Naphthalene-d8	8.09	136	308363	20.00	ng	-0.01
38) Acenaphthene-d10	9.85	164	109396	20.00	ng	-0.01
63) Phenanthrene-d10	11.33	188	165003	20.00	ng	-0.01
75) Chrysene-d12	13.98	240	170644	20.00	ng	0.00
86) Perylene-d12	15.44	264	151397	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.44	112	35305	6.68	ng	0.00
7) Phenol-d6	6.45	99	85755	13.16	ng	-0.01
23) Nitrobenzene-d5	7.38	82	60534	12.59	ng	-0.01
41) 2,4,6-Tribromophenol	10.65	330	1712	1.91	ng	0.00
44) 2-Fluorobiphenyl	9.16	172	119666	18.26	ng	-0.01
78) Terphenyl-d14	12.92	244	84722	11.29	ng	0.00

Target Compounds Qvalue

(#) = qualifier out of range (m) = manual integration (+) = signals summed

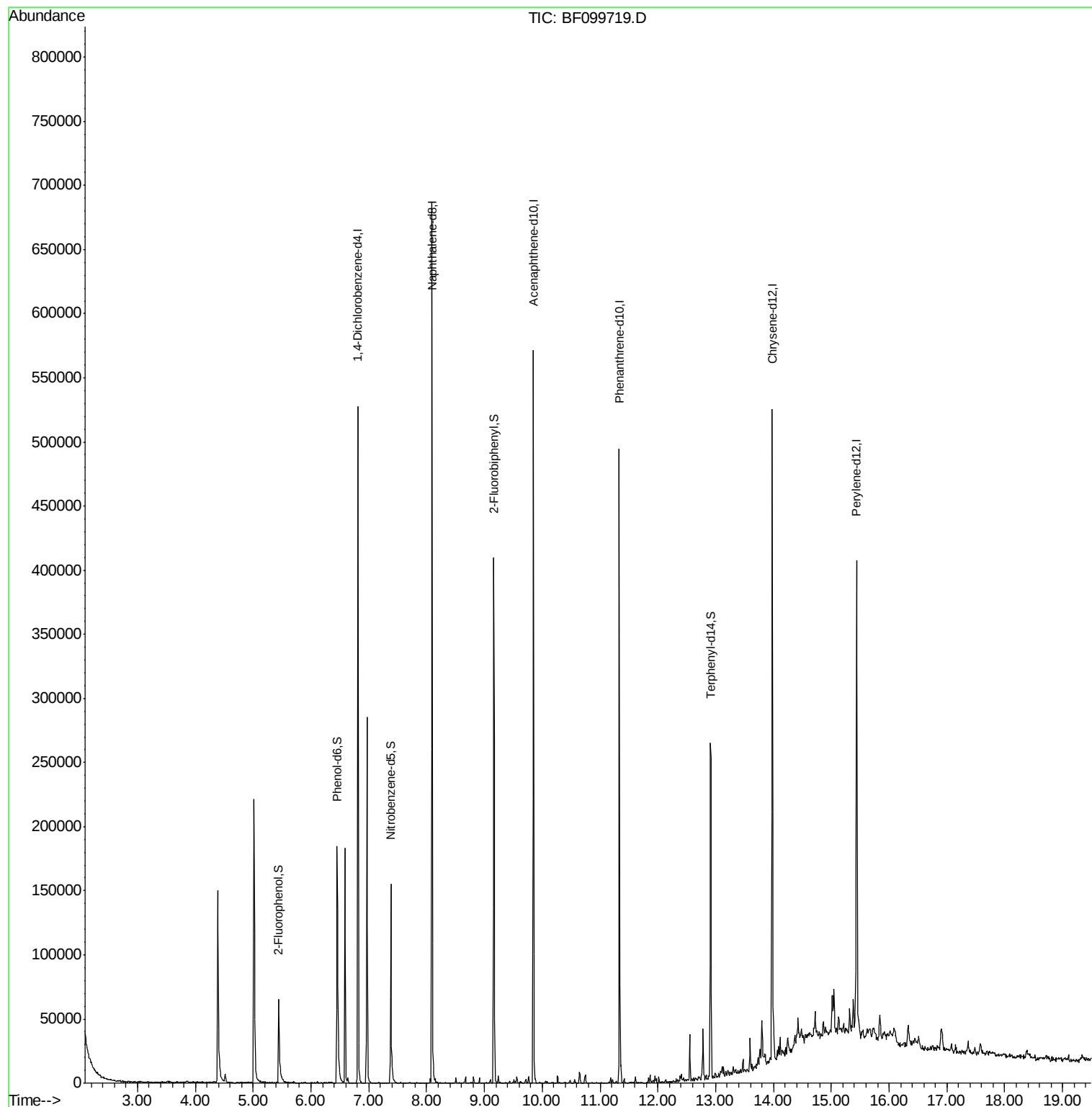
Data Path : Z:\HPCHEM1\BNA F\DATA\BF102017\
Data File : BF099719.D
Acq On : 21 Oct 2017 1:35
Operator : SJ/JU
Sample : I5982-01 5X
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
MARION-CONCRETE-PILE

Manual Integrations
APPROVED

Sohil
10/23/2017 3:27:05 PM

Quant Time: Oct 21 22:11:15 2017
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF092317.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Oct 20 13:11:43 2017
Response via : Initial Calibration





#1

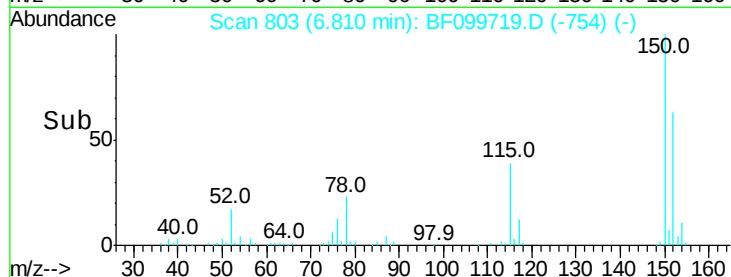
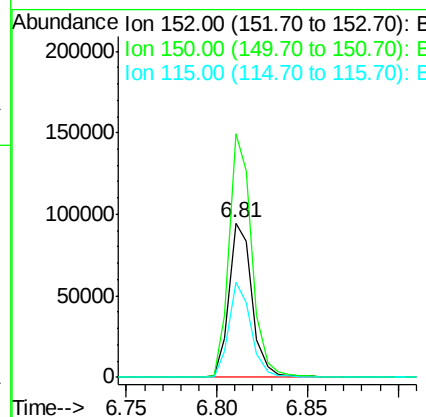
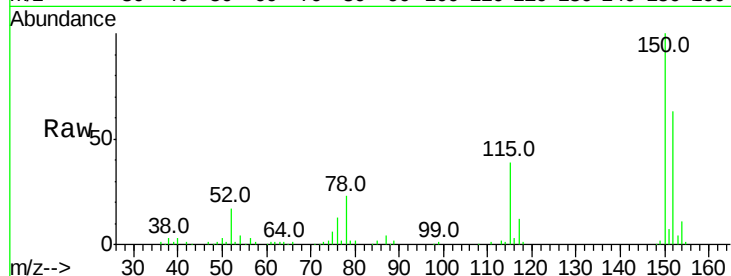
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.81 min Scan# 803
Delta R.T. -0.01 min
Lab File: BF099719.D
Acq: 21 Oct 2017 1:35

Instrument :
BNA_F
ClientSampleId :
MARION-CONCRETE-PILE

Tot Ion	Ratio	Lower	Upper
152	100		
150	157.7	124.6	186.8
115	61.2	50.1	75.1

Manual Integrations
APPROVED

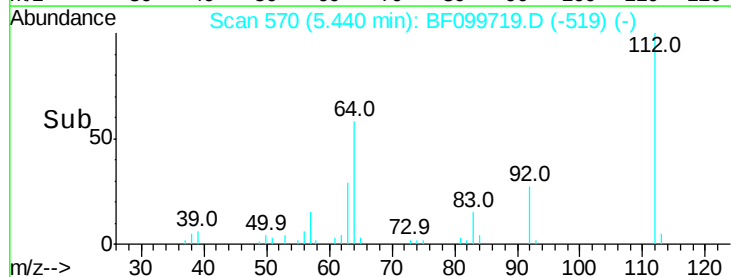
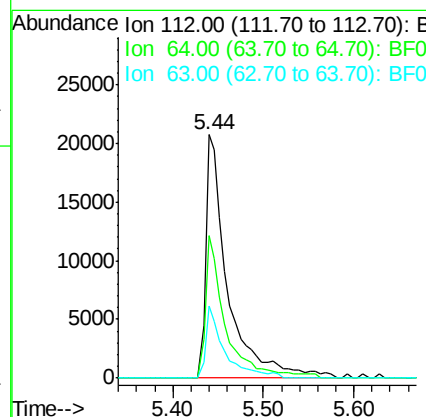
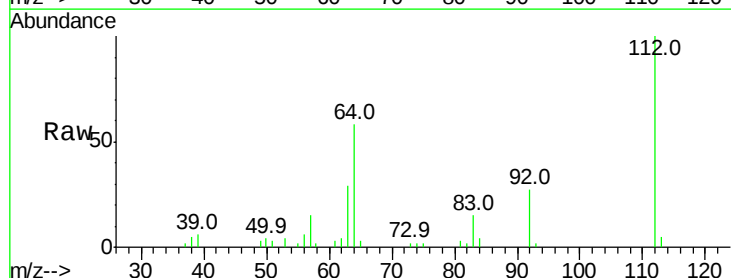
Sohil
10/23/2017 3:27:05 PM



#5

2-Fluorophenol
Concen: 6.685 ng
RT: 5.44 min Scan# 570
Delta R.T. 0.00 min
Lab File: BF099719.D
Acq: 21 Oct 2017 1:35

Tgt Ion	Ratio	Lower	Upper
112	100		
64	58.3	47.9	71.9
63	29.4	23.7	35.5





#7

Phenol-d6

Concen: 13.162 ng

RT: 6.45 min Scan# 742

Delta R.T. -0.01 min

Lab File: BF099719.D

Acq: 21 Oct 2017 1:35

Instrument :

BNA_F

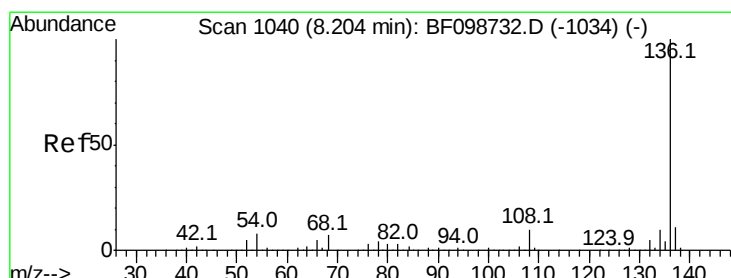
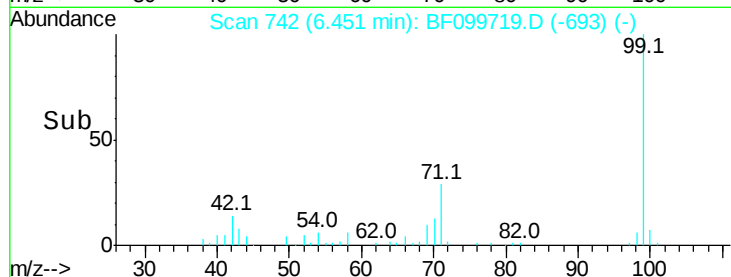
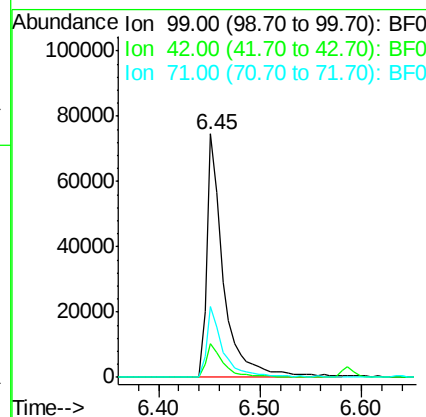
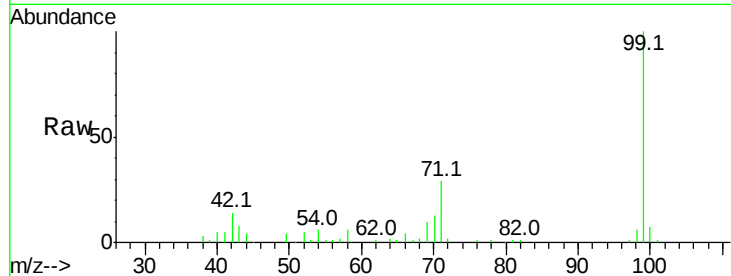
ClientSampleId :

MARION-CONCRETE-PILE

Tot Ion:	99	Resp:	85755
Ion Ratio	Lower	Upper	
99	100		
42	13.7	14.5	21.7#
71	28.9	25.4	38.0

Manual Integrations
APPROVED

Sohil
10/23/2017 3:27:05 PM



#21

Naphthalene-d8

Concen: 20.000 ng

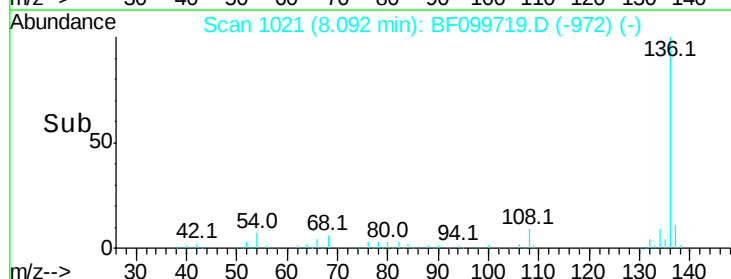
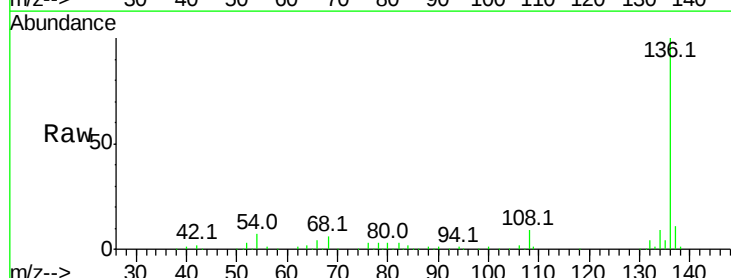
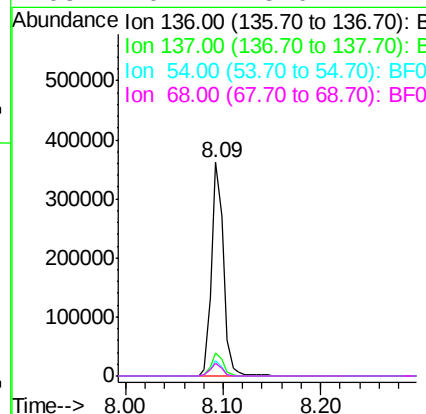
RT: 8.09 min Scan# 1021

Delta R.T. -0.01 min

Lab File: BF099719.D

Acq: 21 Oct 2017 1:35

Tgt Ion:	136	Resp:	308363
Ion Ratio	Lower	Upper	
136	100		
137	11.0	8.9	13.3
54	7.0	6.6	9.8
68	6.2	5.0	7.4





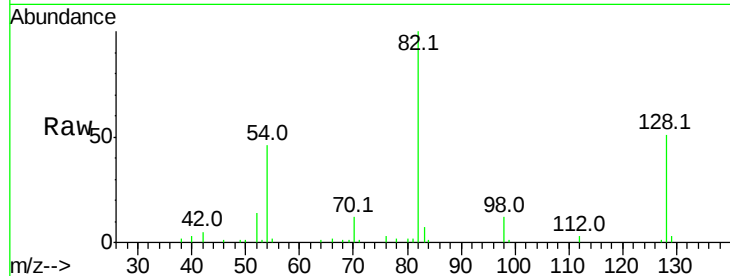
#23
 Nitrobenzene-d5
 Concen: 12.589 ng
 RT: 7.38 min Scan# 900
 Delta R.T. -0.01 min
 Lab File: BF099719.D
 Acq: 21 Oct 2017 1:35

Instrument :
 BNA_F
 ClientSampleId :
 MARION-CONCRETE-PILE

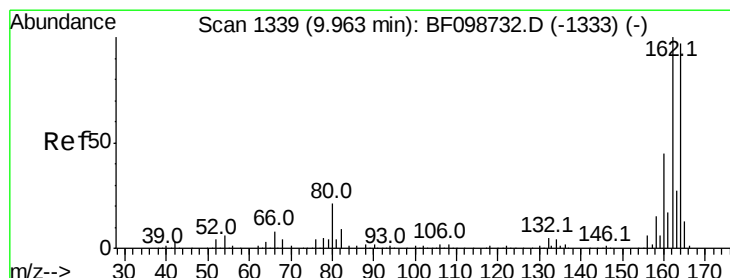
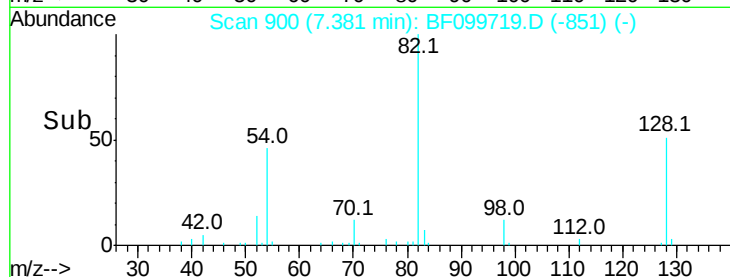
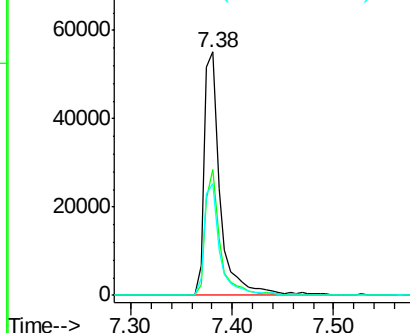
Tot Ion	Ratio	Lower	Upper
82	100		
128	51.5	36.1	54.1
54	45.7	41.4	62.2

Manual Integrations
 APPROVED

Sohil
 10/23/2017 3:27:05 PM



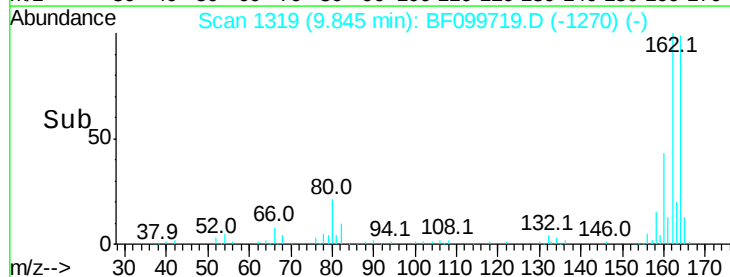
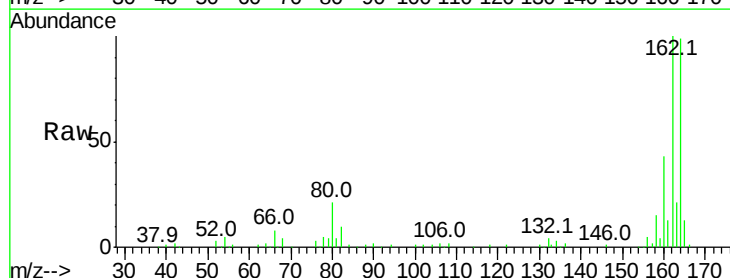
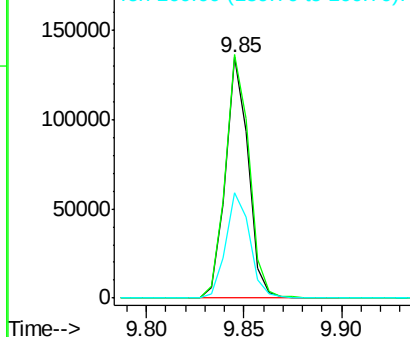
Abundance Ion 82.00 (81.70 to 82.70): BF0
 Ion 128.00 (127.70 to 128.70): E
 Ion 54.00 (53.70 to 54.70): BF0



#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.85 min Scan# 1319
 Delta R.T. -0.01 min
 Lab File: BF099719.D
 Acq: 21 Oct 2017 1:35

Tgt Ion	Ratio	Lower	Upper
164	100		
162	101.1	86.1	129.1
160	43.8	38.3	57.5

Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E





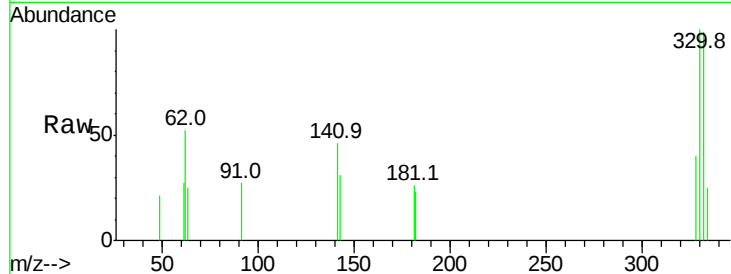
#41
 2,4,6-Tribromophenol
 Concen: 1.913 ng
 RT: 10.65 min Scan# 1455
 Delta R.T. -0.01 min
 Lab File: BF099719.D
 Acq: 21 Oct 2017 1:35

Instrument :
 BNA_F
 ClientSampleId :
 MARION-CONCRETE-PILE

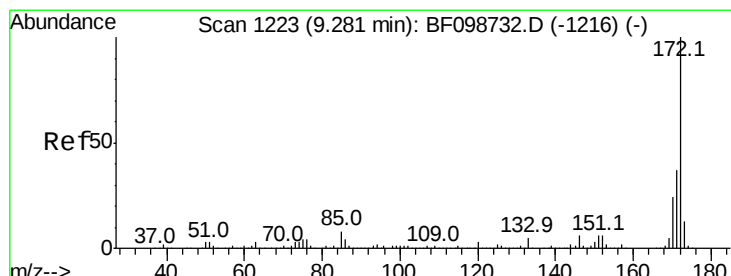
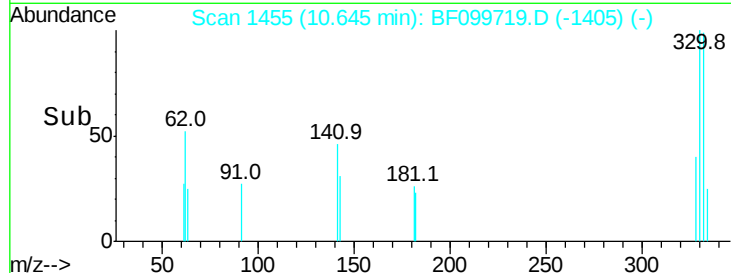
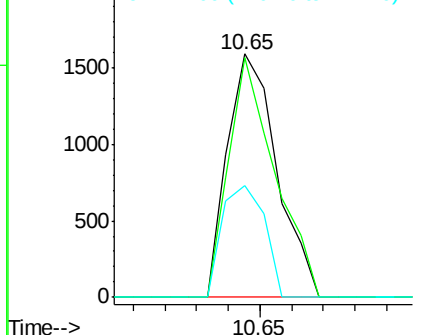
Tot Ion	Ratio	Resp	Lower	Upper
330	100	1712		
332	92.2		77.0	115.6
141	39.4		29.9	44.9

Manual Integrations
 APPROVED

Sohil
 10/23/2017 3:27:05 PM



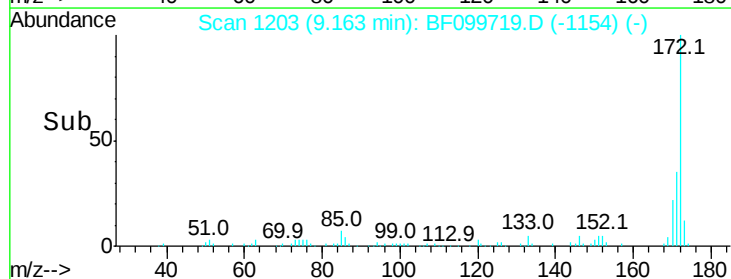
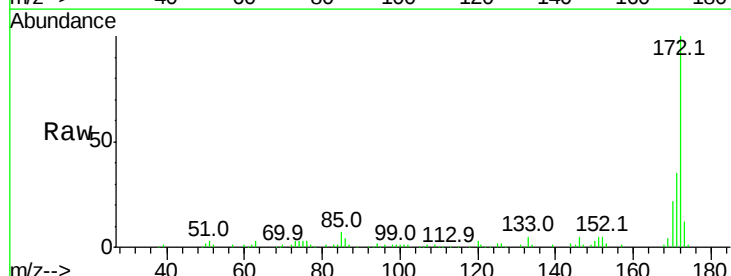
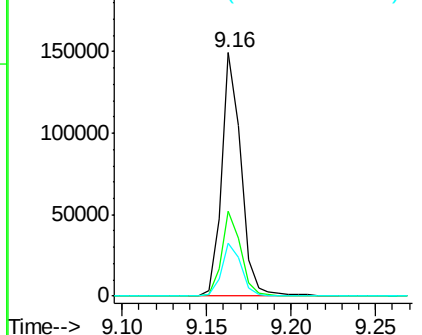
Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

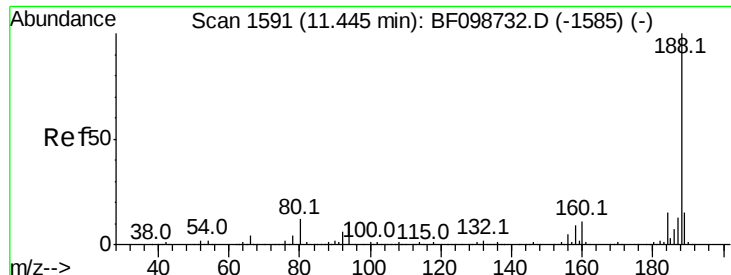


#44
 2-Fluorobiphenyl
 Concen: 18.261 ng
 RT: 9.16 min Scan# 1203
 Delta R.T. -0.01 min
 Lab File: BF099719.D
 Acq: 21 Oct 2017 1:35

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	119666		
171	34.9		29.7	44.5
170	21.9		19.6	29.4

Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E





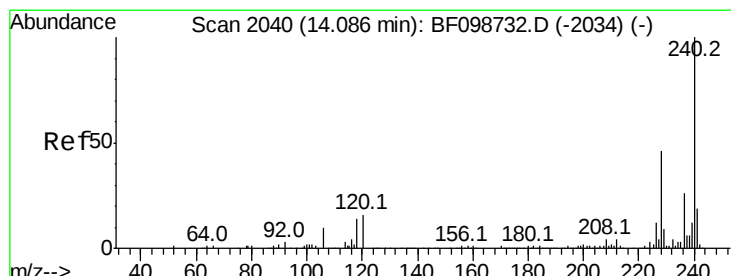
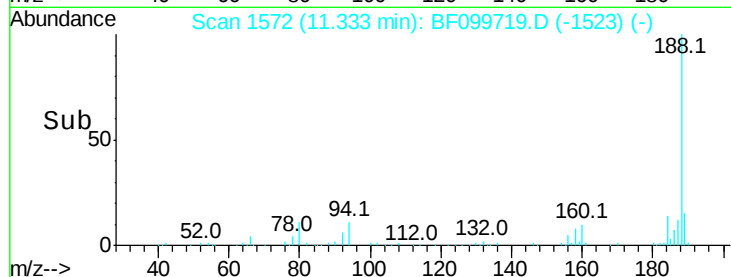
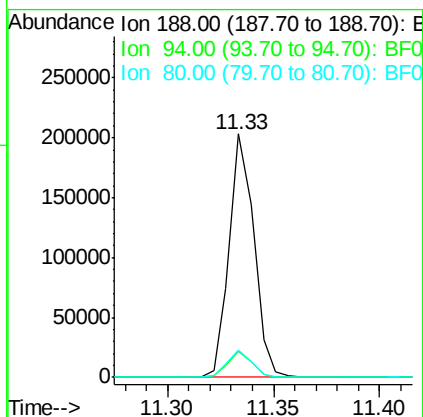
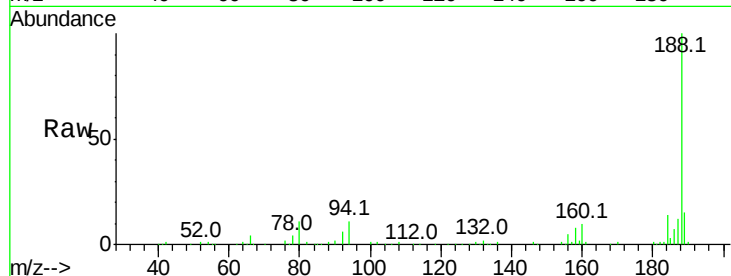
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.33 min Scan# 1572
Delta R.T. -0.01 min
Lab File: BF099719.D
Acq: 21 Oct 2017 1:35

Instrument :
BNA_F
ClientSampleId :
MARION-CONCRETE-PILE

Tot Ion	Ratio	Resp	Lower	Upper
188	100	165003		
94	10.7		8.5	12.7
80	11.5		9.2	13.8

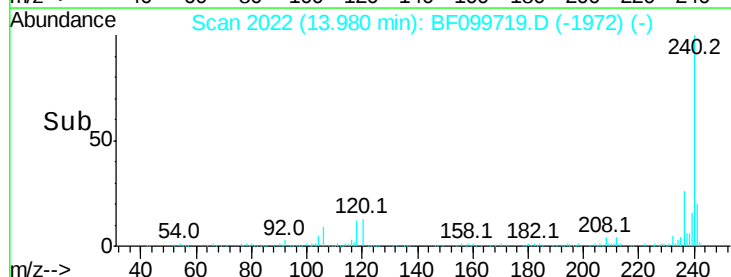
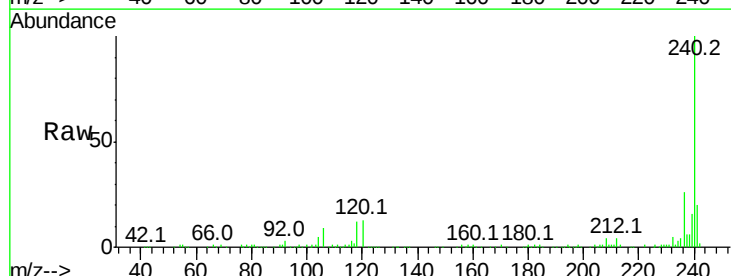
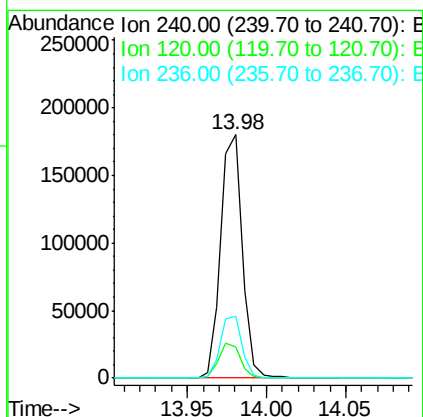
Manual Integrations
APPROVED

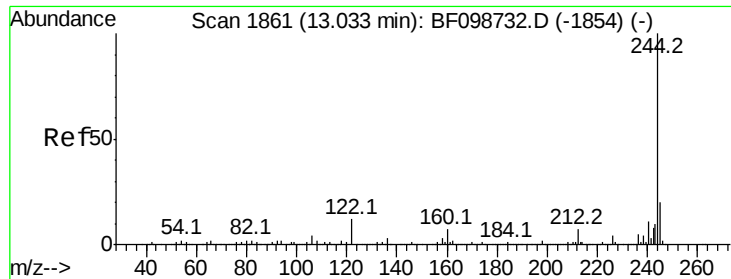
Sohil
10/23/2017 3:27:05 PM



#75
Chrysene-d12
Concen: 20.000 ng
RT: 13.98 min Scan# 2022
Delta R.T. -0.01 min
Lab File: BF099719.D
Acq: 21 Oct 2017 1:35

Tgt Ion	Ratio	Resp	Lower	Upper
240	100	170644		
120	12.9		9.5	14.3
236	25.5		20.7	31.1





#78

Terphenyl-d14

Concen: 11.291 ng

RT: 12.92 min Scan# 1841

Delta R.T. -0.01 min

Lab File: BF099719.D

Acq: 21 Oct 2017 1:35

Instrument :

BNA_F

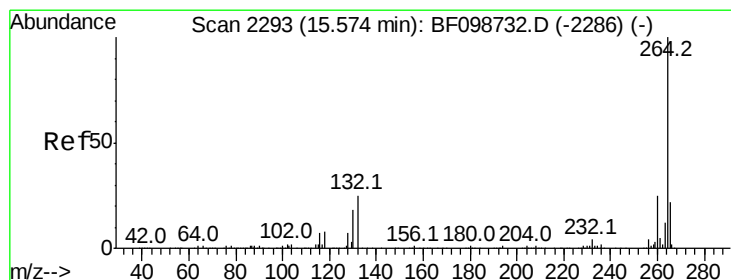
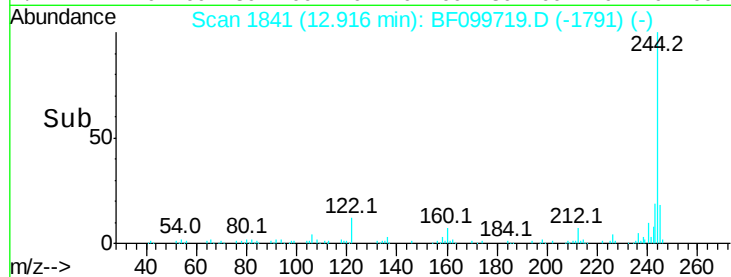
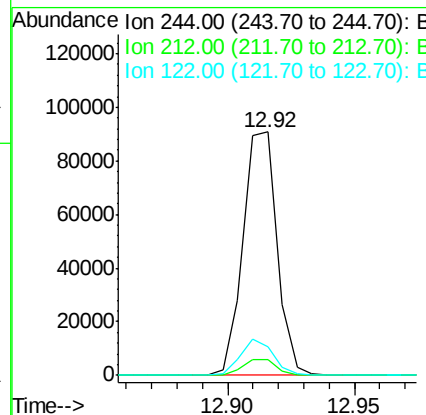
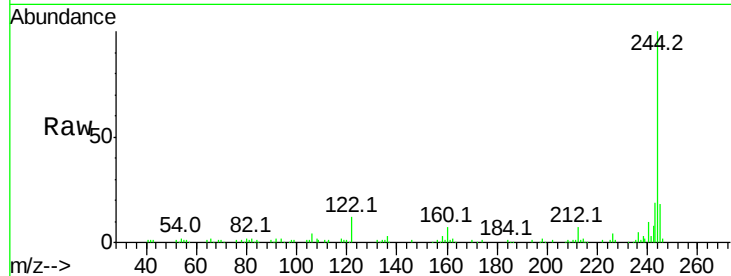
ClientSampleId :

MARION-CONCRETE-PILE

Tot Ion:	244	Resp:	84722
Ion Ratio	Lower	Upper	
244	100		
212	6.6	5.4	8.0
122	11.8	11.0	16.4

Manual Integrations
APPROVED

Sohil
10/23/2017 3:27:05 PM



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.44 min Scan# 2270

Delta R.T. 0.00 min

Lab File: BF099719.D

Acq: 21 Oct 2017 1:35

Tgt Ion:	264	Resp:	151397
Ion Ratio	Lower	Upper	
264	100		
260	23.7	19.2	28.8
265	21.7	17.5	26.3

