

Data Path : Z:\HPCHEM1\BNA F\DATA\BF101017\
 Data File : BF099328.D
 Acq On : 11 Oct 2017 4:26
 Operator : SJ/JU
 Sample : I5766-04
 Misc :
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 RS-CONCRETE

Manual Integrations
 APPROVED

Sohil
 10/11/2017 7:24:22 PM

Quant Time: Oct 11 05:29:18 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF092317.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Oct 05 17:20:48 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.86	152	84030	20.00	ng	0.00
21) Naphthalene-d8	8.15	136	307766	20.00	ng	0.00
38) Acenaphthene-d10	9.90	164	114037	20.00	ng	0.00
63) Phenanthrene-d10	11.39	188	190511	20.00	ng	0.00
75) Chrysene-d12	14.03	240	168489	20.00	ng	0.00
86) Perylene-d12	15.50	264	118756	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.49	112	684453	129.67	ng	0.01
7) Phenol-d6	6.50	99	799186	122.73	ng	0.00
23) Nitrobenzene-d5	7.43	82	377199	78.60	ng	0.00
41) 2,4,6-Tribromophenol	10.69	330	115154	123.41	ng	0.00
44) 2-Fluorobiphenyl	9.22	172	783547	114.71	ng	0.00
78) Terphenyl-d14	12.97	244	655660	88.50	ng	0.00
Target Compounds						
49) Dimethylphthalate	9.61	163	120710	14.025	ng	Qvalue 100
70) Phenanthrene	11.41	178	20870	2.047	ng	99
74) Fluoranthene	12.60	202	51296	4.968	ng	97
77) Pyrene	12.83	202	94560	7.360	ng	99
80) Benzo(a)anthracene	14.02	228	32377	3.173	ng	99
82) Chrysene	14.06	228	34005	3.501	ng	96
87) Benzo(b)fluoranthene	15.07	252	21123m	2.893	ng	
89) Benzo(a)pyrene	15.44	252	18085	2.698	ng	# 93

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

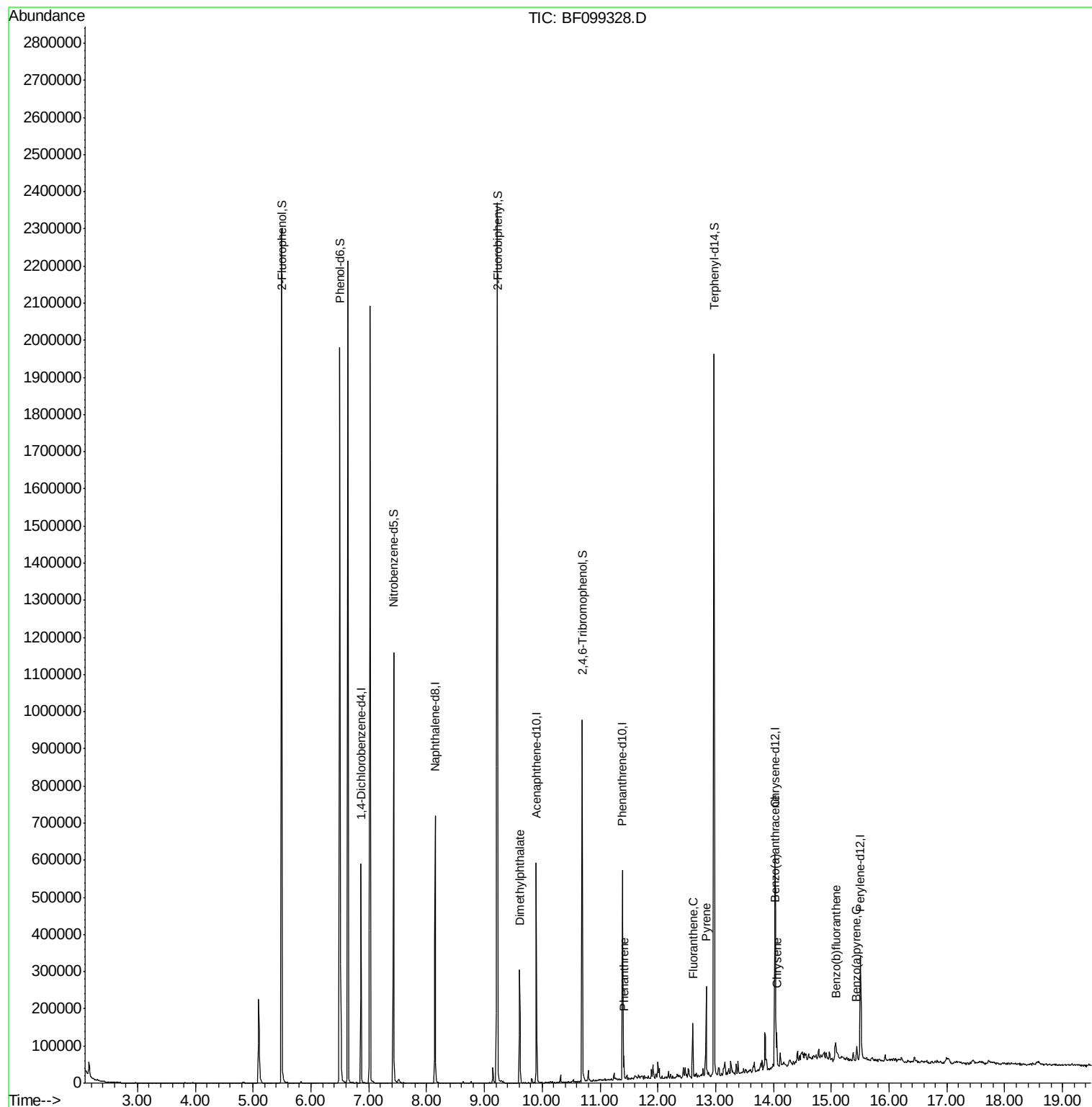
Data Path : Z:\HPCHEM1\BNA F\DATA\BF101017\
Data File : BF099328.D
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Operator : SJ/JU
Sample : I5766-04
Misc :
ALS Vial : 26 Sample Multiplier: 1

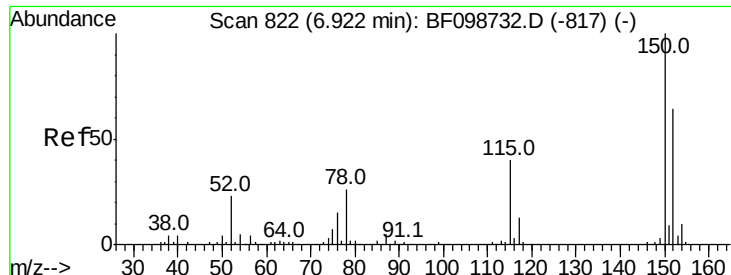
Instrument :
BNA_F
ClientSampleId :
RS-CONCRETE

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Quant Time: Oct 11 05:29:18 2017
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#1

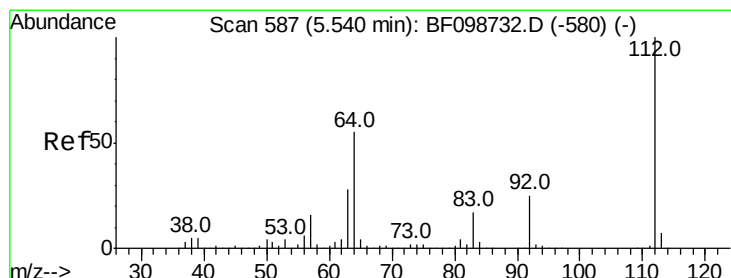
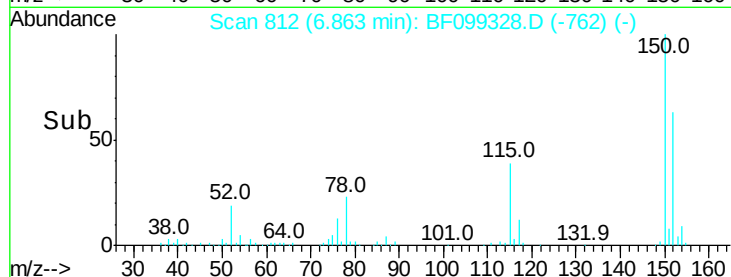
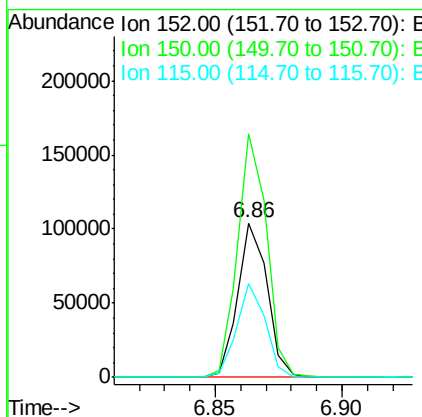
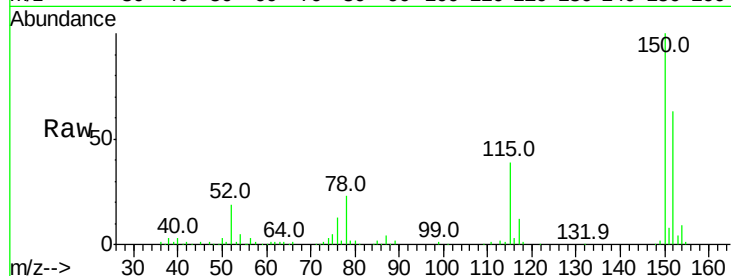
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.86 min Scan# 812
Delta R.T. -0.01 min
Lab File: BF099328.D
Acq: 11 Oct 2017 4:26

Instrument :
BNA_F
ClientSampleId :
RS-CONCRETE

Tot Ion	Ratio	Lower	Upper
152	100		
150	157.6	124.6	186.8
115	60.8	50.1	75.1

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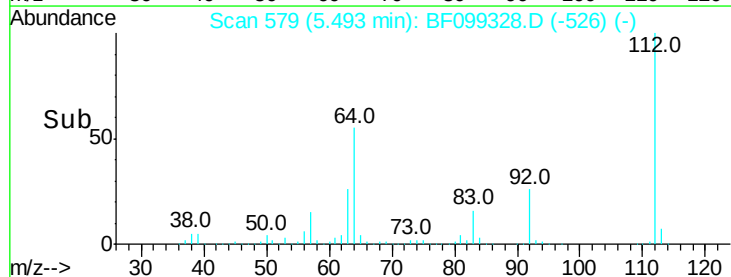
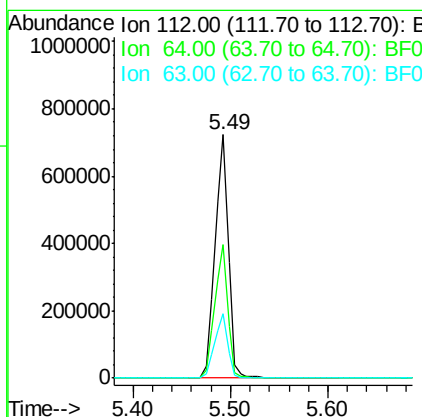
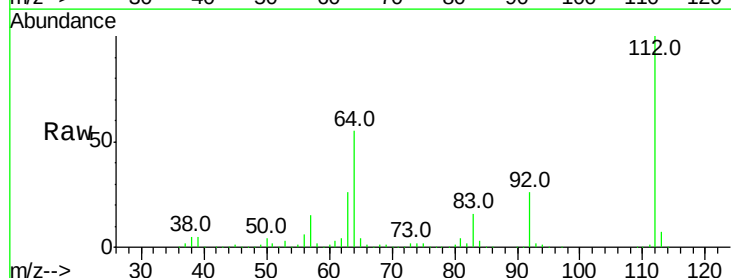
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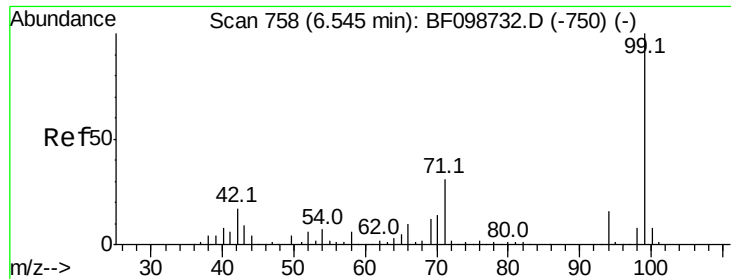


#5

2-Fluorophenol
Concen: 129.666 ng
RT: 5.49 min Scan# 579
Delta R.T. 0.01 min
Lab File: BF099328.D
Acq: 11 Oct 2017 4:26

Tgt Ion	Ratio	Lower	Upper
112	100		
64	54.8	47.9	71.9
63	26.4	23.7	35.5





#7

Phenol-d6

Concen: 122.730 ng

RT: 6.50 min Scan# 750

Delta R.T. 0.00 min

Lab File: BF099328.D

Acq: 11 Oct 2017 4:26

Instrument :

BNA_F

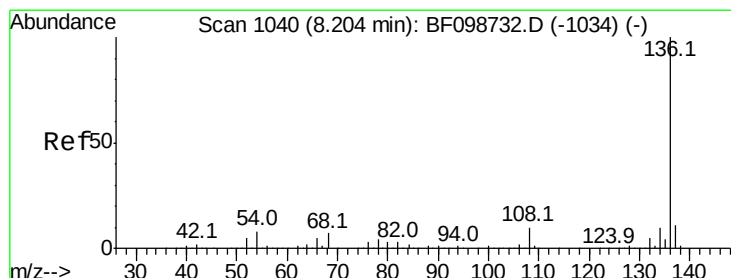
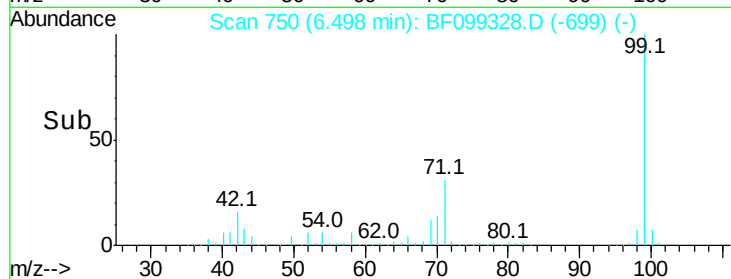
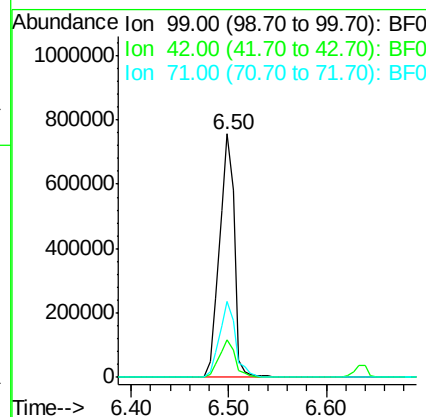
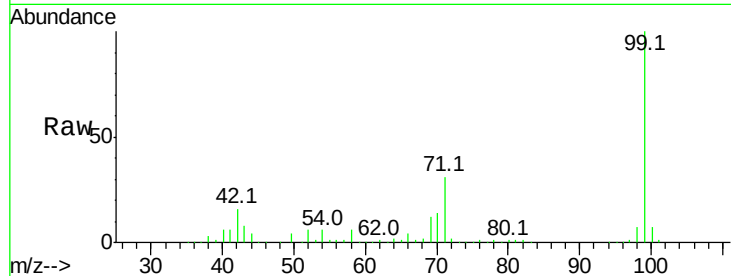
ClientSampleId :

RS-CONCRETE

Tot Ion	Ion	Ratio	Resp	Lower	Upper
99	100		799186		
42	15.5	14.5	21.7		
71	31.4	25.4	38.0		

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#21

Naphthalene-d8

Concen: 20.000 ng

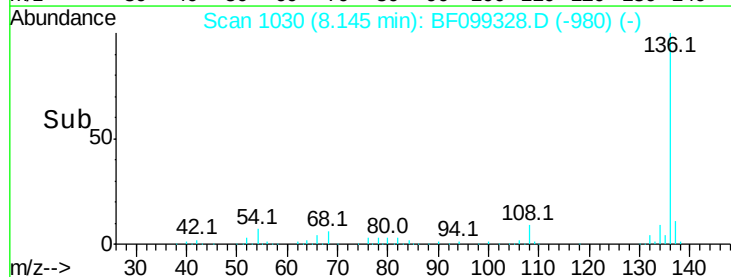
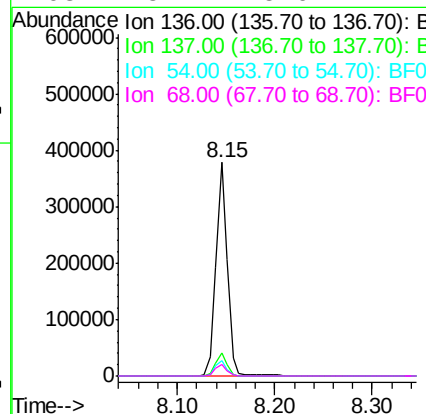
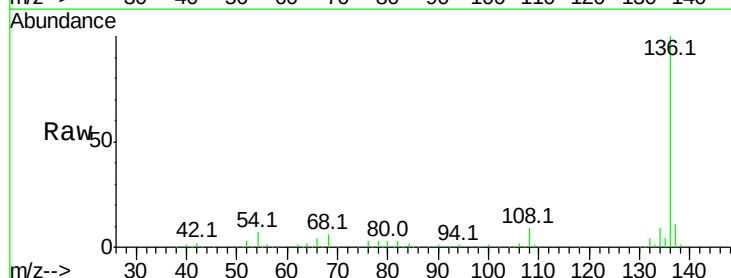
RT: 8.15 min Scan# 1030

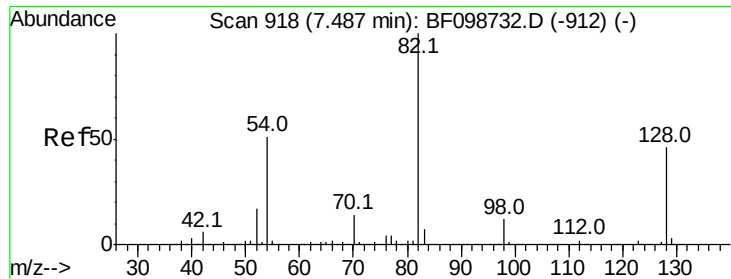
Delta R.T. -0.01 min

Lab File: BF099328.D

Acq: 11 Oct 2017 4:26

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
136	100		307766		
137	10.9	8.9	13.3		
54	7.1	6.6	9.8		
68	5.7	5.0	7.4		





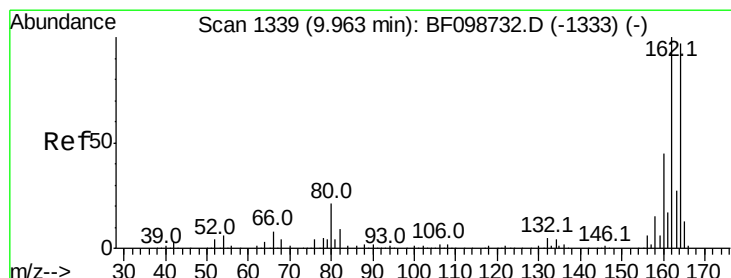
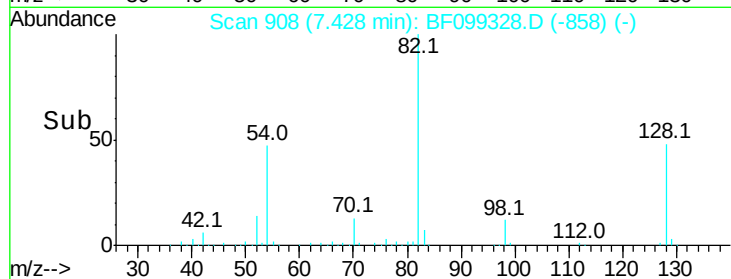
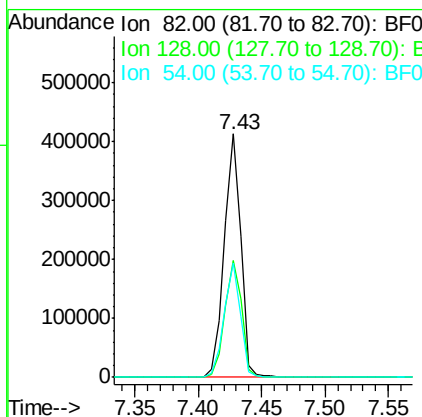
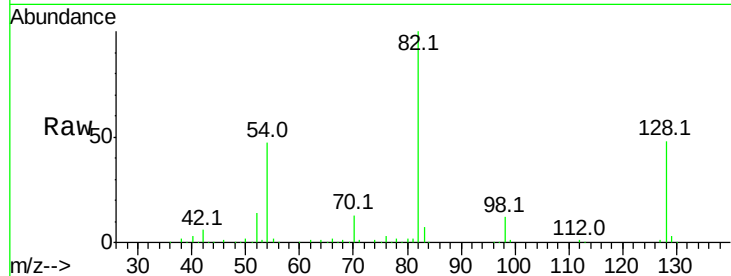
#23
Nitrobenzene-d5
Concen: 78.598 ng
RT: 7.43 min Scan# 908
Delta R.T. -0.01 min
Lab File: BF099328.D
Acq: 11 Oct 2017 4:26

Instrument :
BNA_F
ClientSampled :
RS-CONCRETE

Tot Ion	Ratio	Resp	Lower	Upper
82	100	377199		
128	48.0	36.1	54.1	
54	46.8	41.4	62.2	

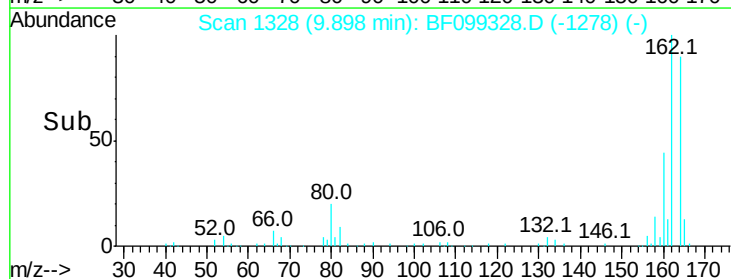
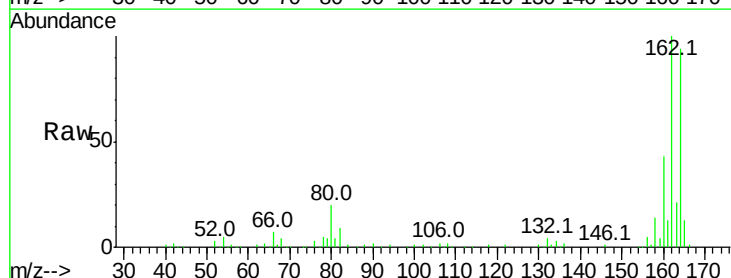
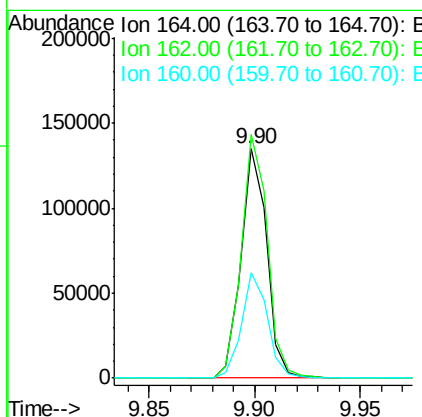
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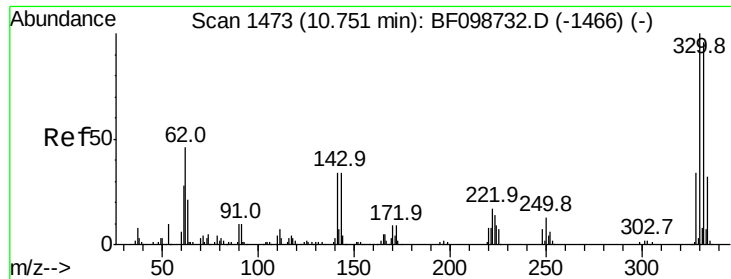
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#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.90 min Scan# 1328
Delta R.T. -0.01 min
Lab File: BF099328.D
Acq: 11 Oct 2017 4:26

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	114037		
162	106.2	86.1	129.1	
160	46.2	38.3	57.5	





#41

2,4,6-Tribromophenol

Concen: 123.406 ng

RT: 10.69 min Scan# 1463

Delta R.T. -0.01 min

Lab File: BF099328.D

Acq: 11 Oct 2017 4:26

Instrument :

BNA_F

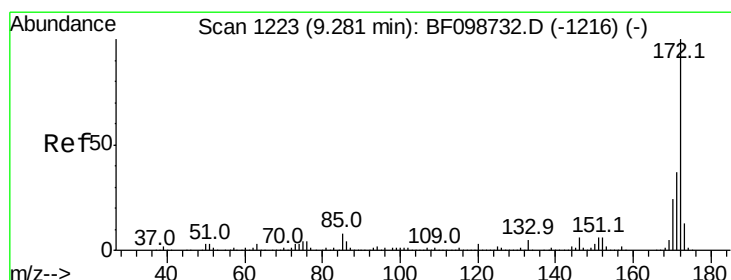
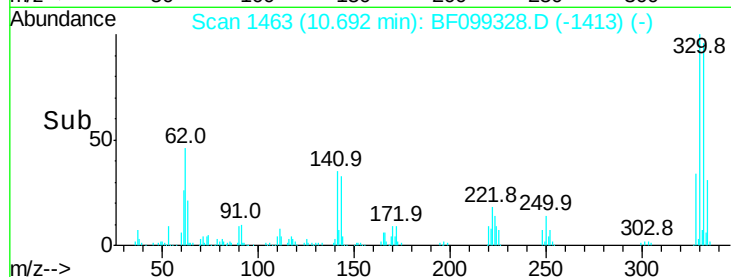
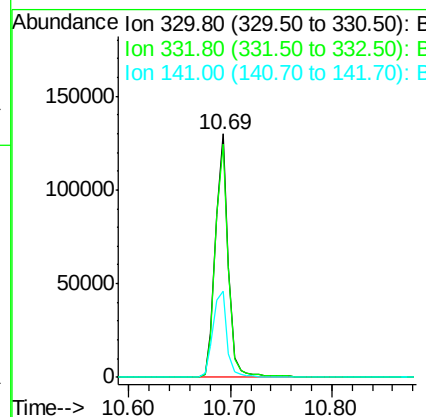
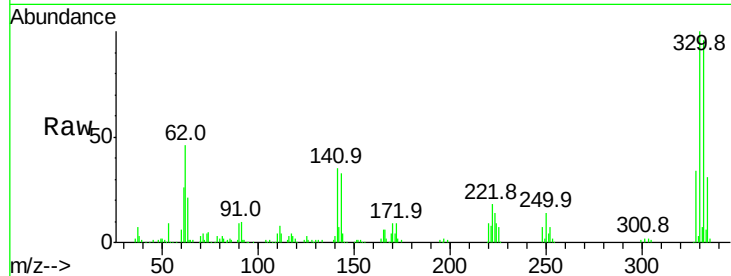
ClientSampleId :

RS-CONCRETE

Tot Ion:	330	Resp:	115154
Ion Ratio	Lower	Upper	
330	100		
332	96.9	77.0	115.6
141	38.5	29.9	44.9

Manual Integrations
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#44

2-Fluorobiphenyl

Concen: 114.705 ng

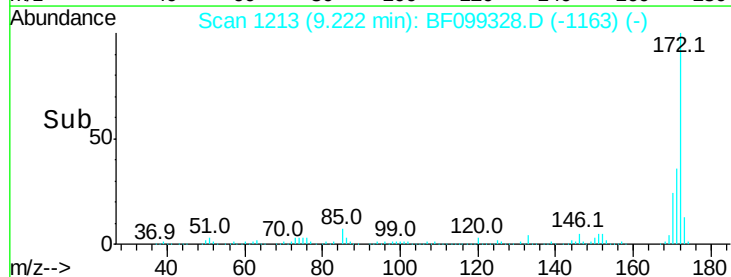
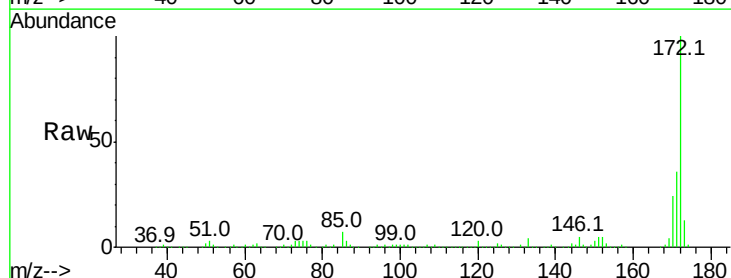
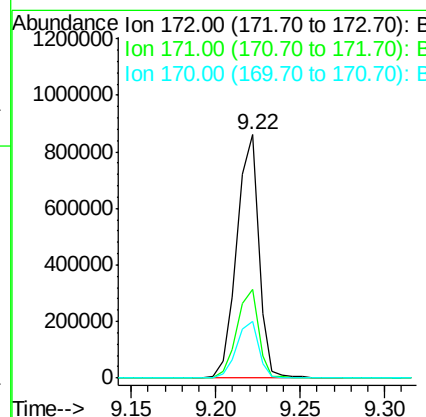
RT: 9.22 min Scan# 1213

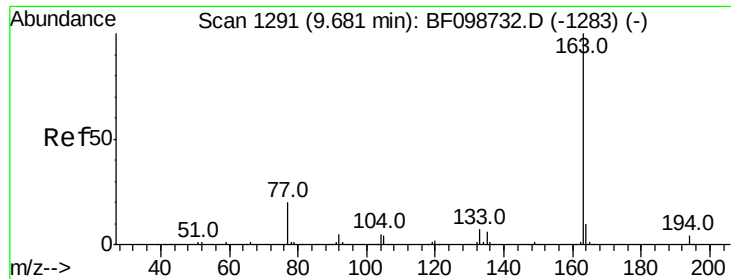
Delta R.T. -0.01 min

Lab File: BF099328.D

Acq: 11 Oct 2017 4:26

Tgt Ion:	172	Resp:	783547
Ion Ratio	Lower	Upper	
172	100		
171	36.4	29.7	44.5
170	23.5	19.6	29.4





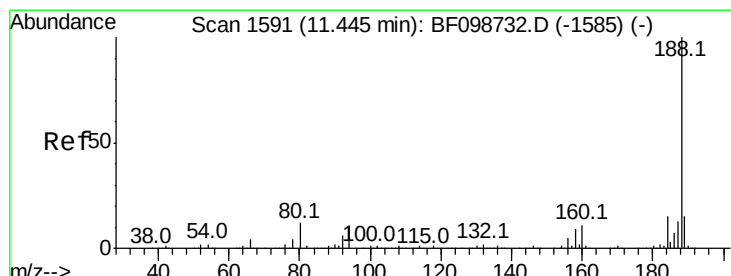
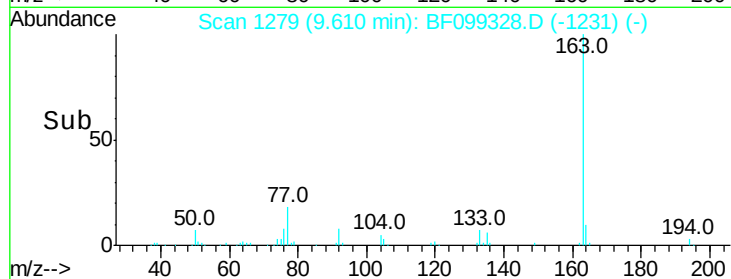
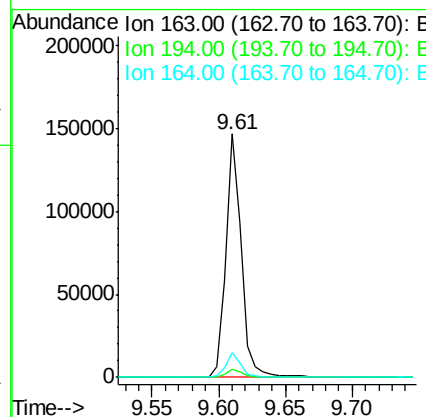
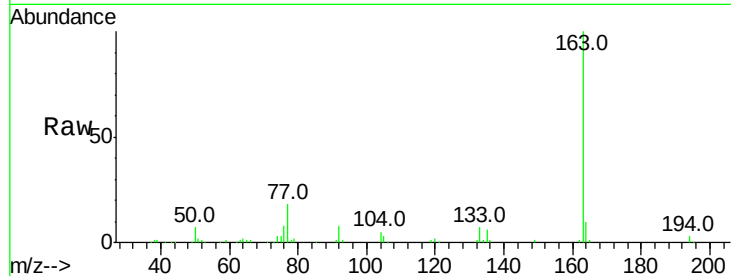
#49
Dimethylphthalate
Concen: 14.025 ng
RT: 9.61 min Scan# 1279
Delta R.T. -0.02 min
Lab File: BF099328.D
Acq: 11 Oct 2017 4:26

Instrument :
BNA_F
ClientSampleId :
RS-CONCRETE

Tot Ion	Ratio	Resp	Lower	Upper
163	100			
194	3.5	2.7	4.1	
164	10.1	8.2	12.2	

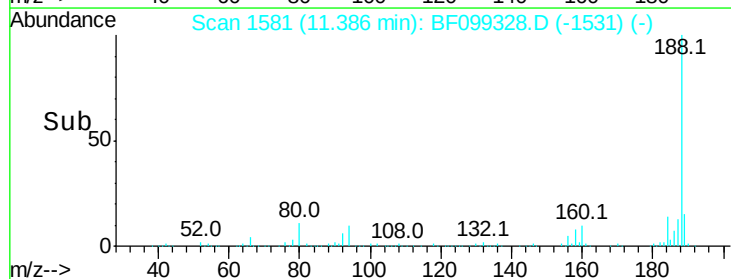
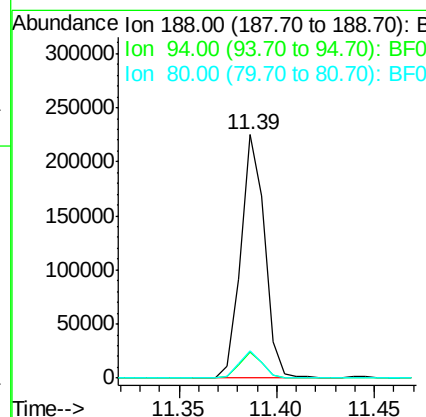
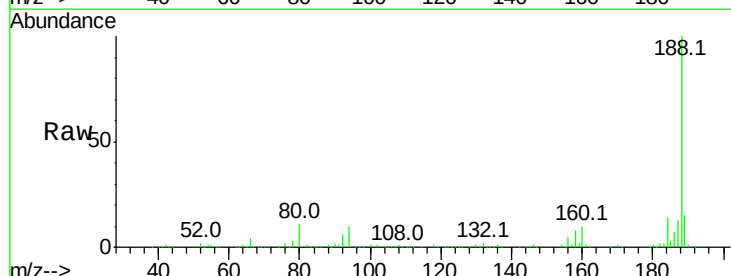
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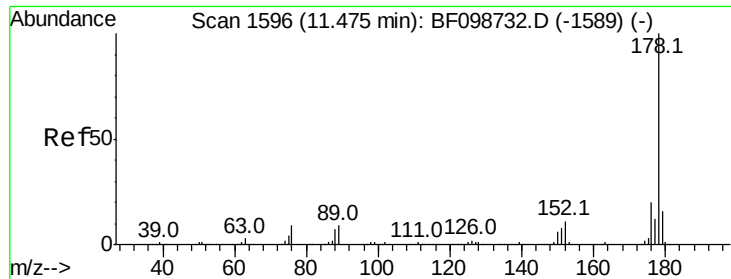
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#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.39 min Scan# 1581
Delta R.T. -0.01 min
Lab File: BF099328.D
Acq: 11 Oct 2017 4:26

Tgt Ion	Ratio	Resp	Lower	Upper
188	100			
94	10.5	8.5	12.7	
80	11.4	9.2	13.8	





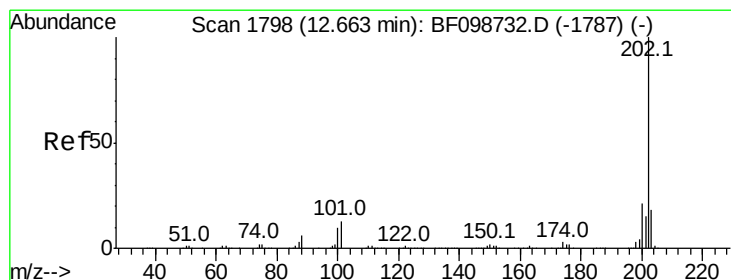
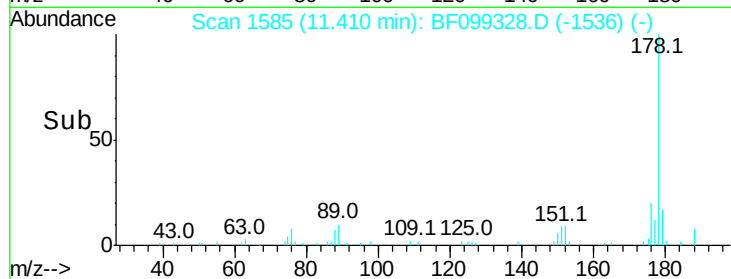
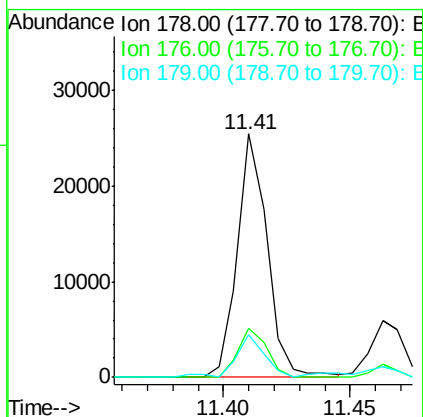
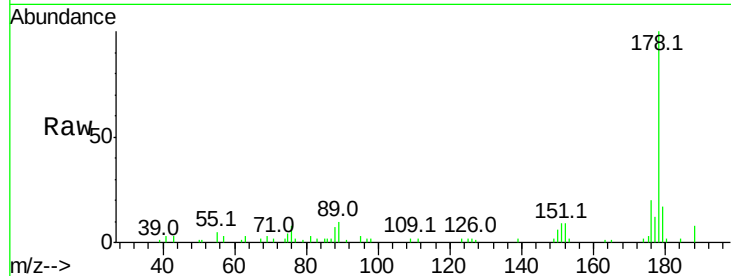
#70
Phenanthrene
Concen: 2.047 ng
RT: 11.41 min Scan# 1585
Delta R.T. -0.01 min
Lab File: BF099328.D
Acq: 11 Oct 2017 4:26

Instrument :
BNA_F
ClientSampleId :
RS-CONCRETE

Tot Ion	Ratio	Lower	Upper
178	100		
176	20.0	15.8	23.8
179	17.3	13.0	19.6

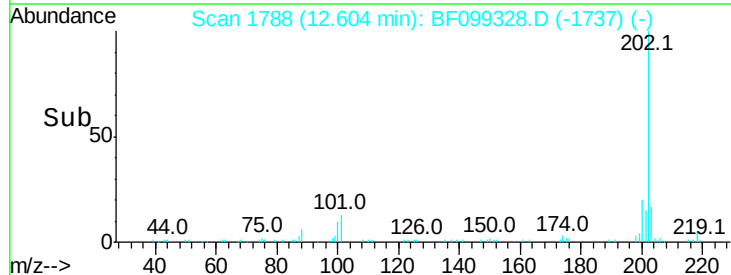
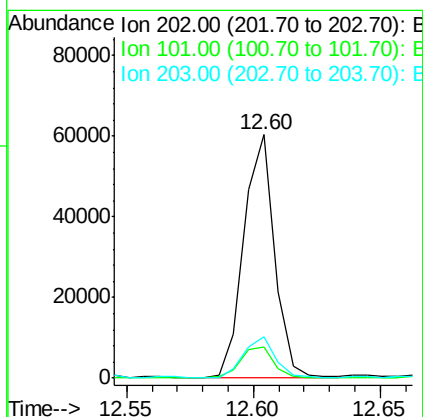
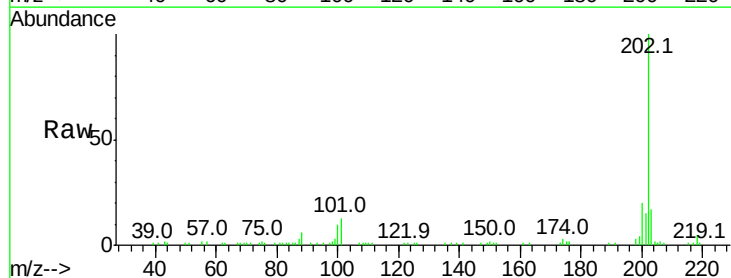
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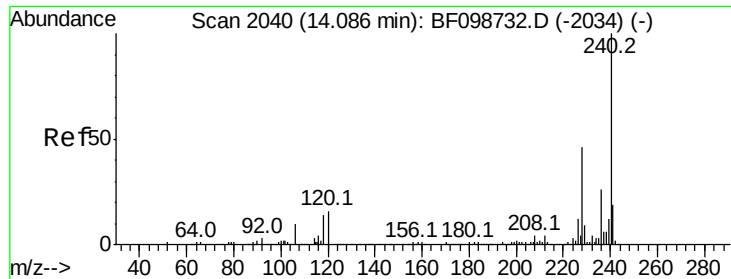
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#74
Fluoranthene
Concen: 4.968 ng
RT: 12.60 min Scan# 1788
Delta R.T. 0.00 min
Lab File: BF099328.D
Acq: 11 Oct 2017 4:26

Tgt Ion	Ratio	Lower	Upper
202	100		
101	12.6	0.0	34.1
203	16.7	0.0	38.1





#75

Chrysene-d12

Concen: 20.000 ng

RT: 14.03 min Scan# 2030

Delta R.T. -0.01 min

Lab File: BF099328.D

Acq: 11 Oct 2017 4:26

Instrument :

BNA_F

ClientSampleId :

RS-CONCRETE

Tot Ion:240 Resp: 168489

Ion Ratio Lower Upper

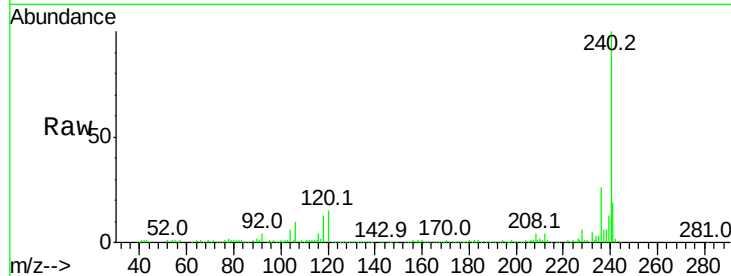
240 100

120 14.7 9.5 14.3#

236 25.6 20.7 31.1

Manual Integrations
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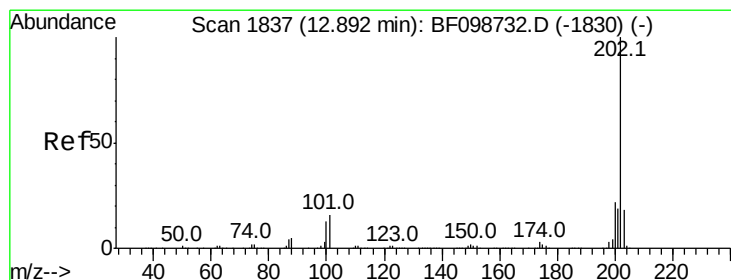
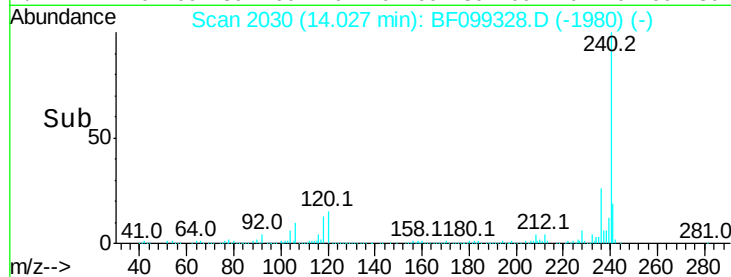
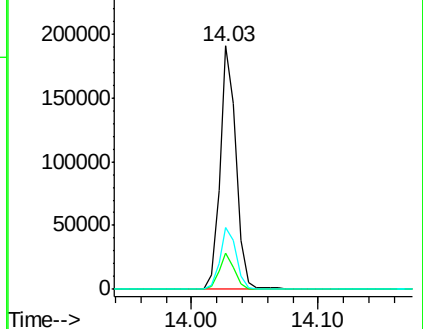
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Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#77

Pyrene

Concen: 7.360 ng

RT: 12.83 min Scan# 1827

Delta R.T. -0.01 min

Lab File: BF099328.D

Acq: 11 Oct 2017 4:26

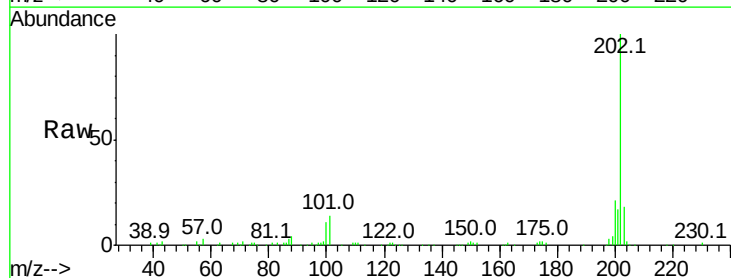
Tgt Ion:202 Resp: 94560

Ion Ratio Lower Upper

202 100

200 21.3 17.4 26.2

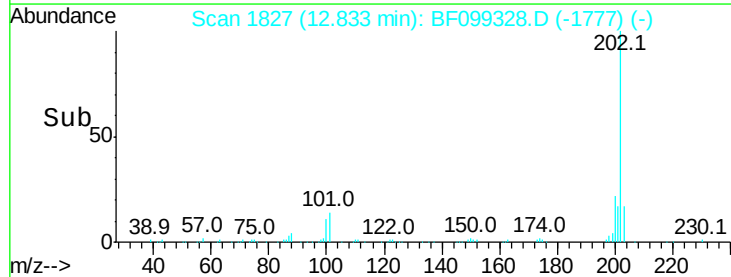
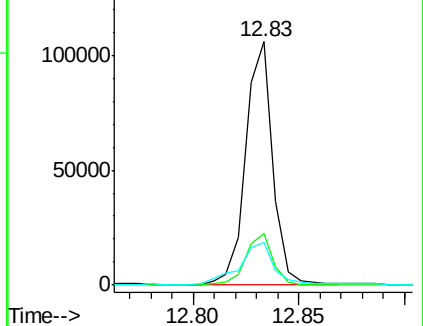
203 17.5 14.3 21.5

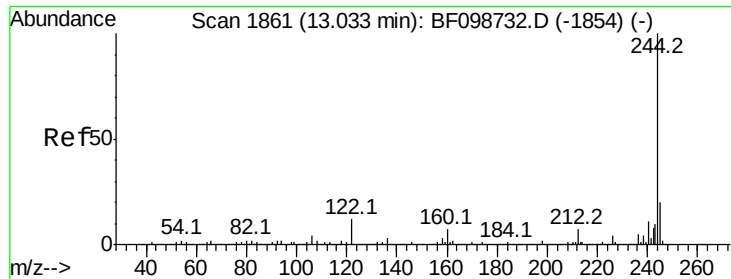


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





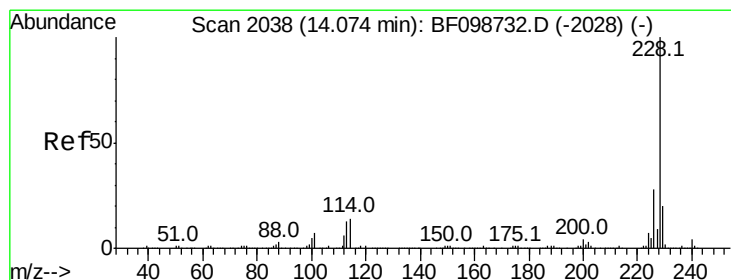
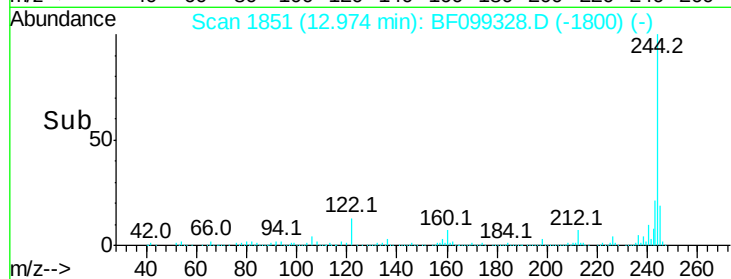
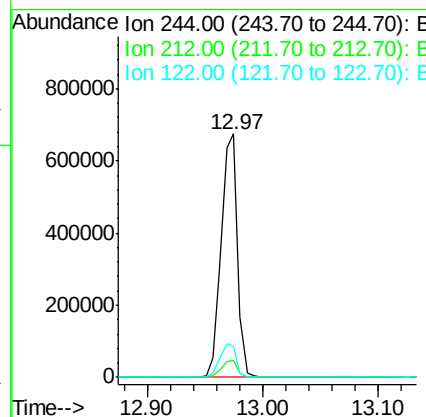
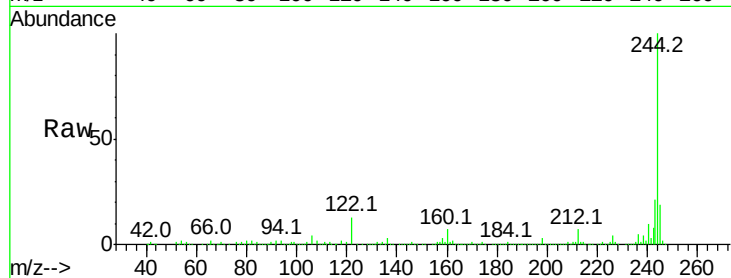
#78
 Terphenyl-d14
 Concen: 88.499 ng
 RT: 12.97 min Scan# 1851
 Delta R.T. 0.00 min
 Lab File: BF099328.D
 Acq: 11 Oct 2017 4:26

Instrument :
 BNA_F
 ClientSampleId :
 RS-CONCRETE

Tot Ion	Ratio	Lower	Upper
244	100		
212	6.8	5.4	8.0
122	12.7	11.0	16.4

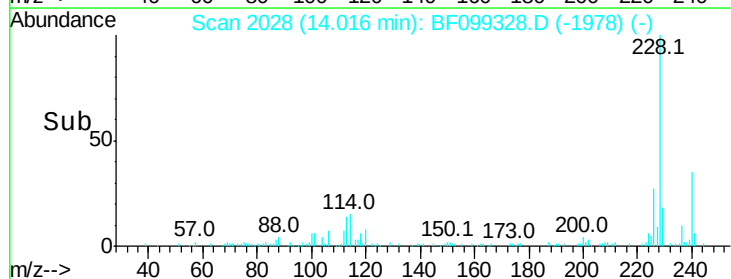
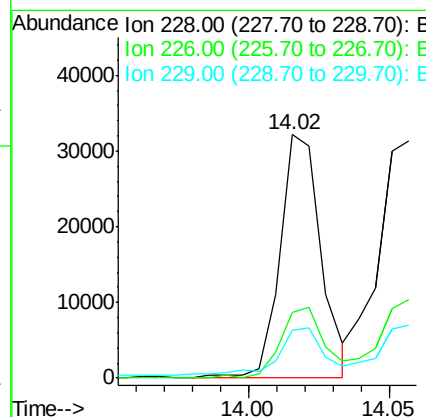
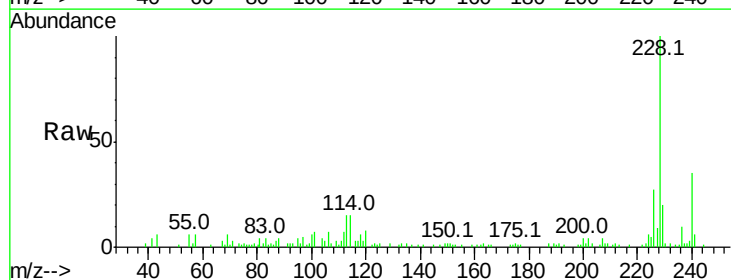
Manual Integrations
 APPROVED

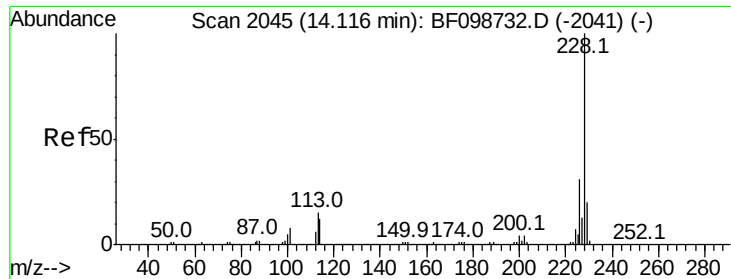
Sohil
 10/11/2017 7:24:22 PM



#80
 Benzo(a)anthracene
 Concen: 3.173 ng
 RT: 14.02 min Scan# 2028
 Delta R.T. -0.01 min
 Lab File: BF099328.D
 Acq: 11 Oct 2017 4:26

Tgt Ion	Ratio	Lower	Upper
228	100		
226	27.2	22.6	33.8
229	19.8	15.8	23.6





#82

Chrysene

Concen: 3.501 ng

RT: 14.06 min Scan# 2035

Delta R.T. -0.01 min

Lab File: BF099328.D

Acq: 11 Oct 2017 4:26

Instrument :

BNA_F

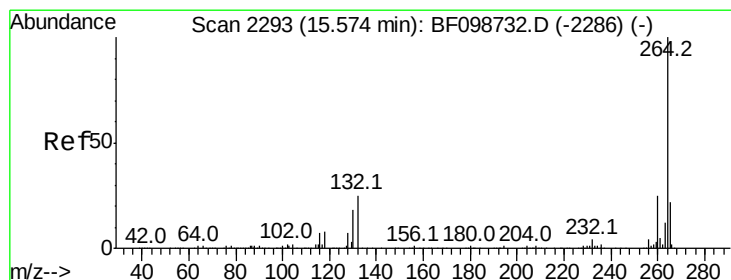
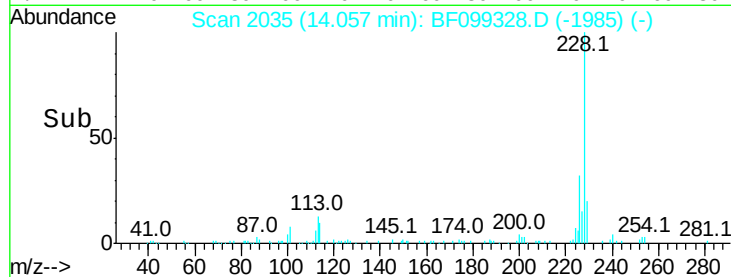
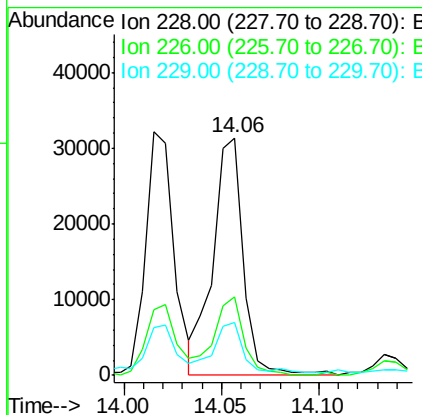
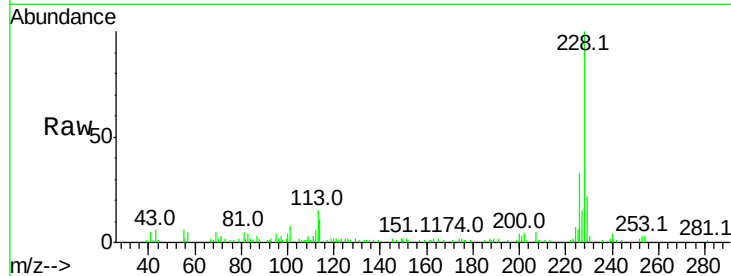
ClientSampleId :

RS-CONCRETE

Tot Ion:	228	Resp:	34005
Ion Ratio	Lower	Upper	
228	100		
226	33.2	25.0	37.6
229	22.3	16.2	24.4

Manual Integrations
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#86

Perylene-d12

Concen: 20.000 ng

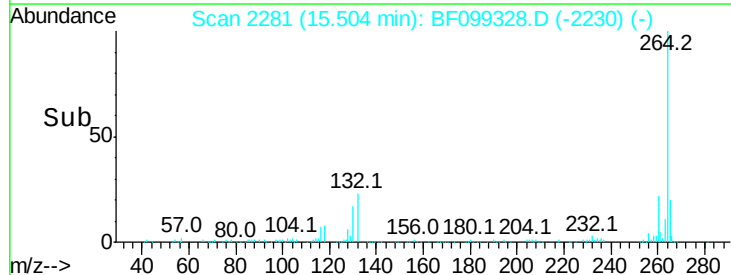
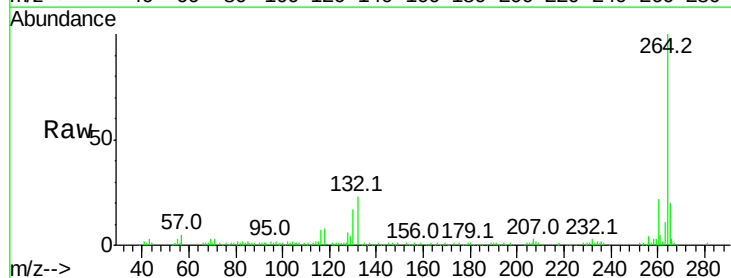
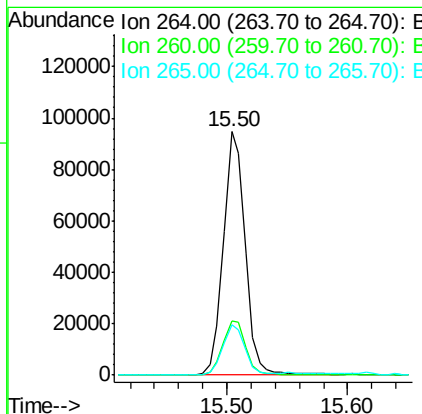
RT: 15.50 min Scan# 2281

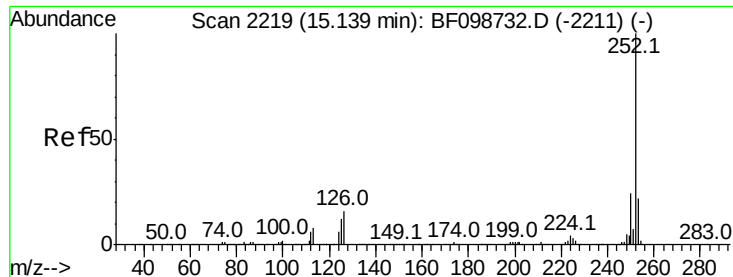
Delta R.T. 0.00 min

Lab File: BF099328.D

Acq: 11 Oct 2017 4:26

Tgt Ion:	264	Resp:	118756
Ion Ratio	Lower	Upper	
264	100		
260	22.0	19.2	28.8
265	20.4	17.5	26.3





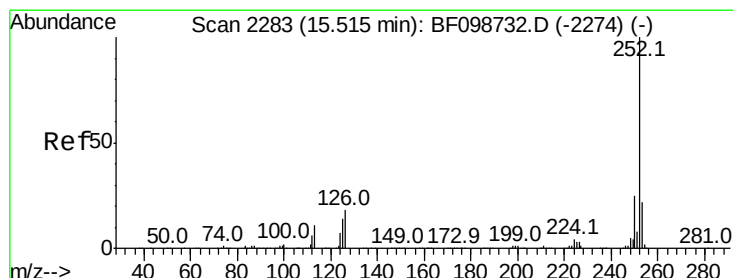
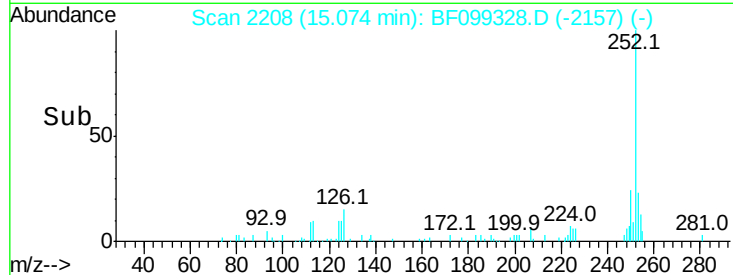
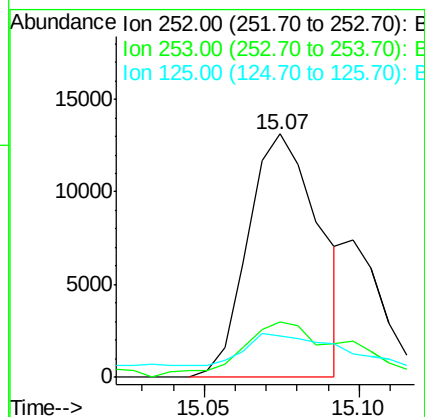
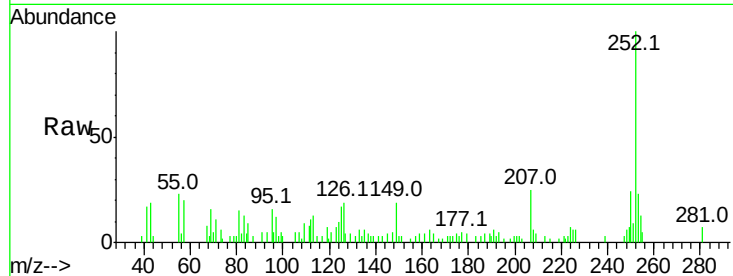
#87
Benzo(b)fluoranthene
Concen: 2.893 ng m
RT: 15.07 min Scan# 2208
Delta R.T. 0.00 min
Lab File: BF099328.D
Acq: 11 Oct 2017 4:26

Instrument :
BNA_F
ClientSampleId :
RS-CONCRETE

Tot Ion	Ratio	Resp Lower	Upper
252	100		
253	23.0	17.0	25.6
125	17.0	9.0	13.6

Manual Integrations
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Sohil
10/11/2017 7:24:22 PM



#89
Benzo(a)pyrene
Concen: 2.698 ng
RT: 15.44 min Scan# 2271
Delta R.T. 0.00 min
Lab File: BF099328.D
Acq: 11 Oct 2017 4:26

Tgt Ion	Ratio	Resp Lower	Upper
252	100		
253	24.3	17.1	25.7
125	15.8	9.8	14.6

