

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF071019\
 Data File : BF115486.D
 Acq On : 11 Jul 2019 6:13
 Operator : HP/JU
 Sample : K3716-03
 Misc :
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 CONCRETE-3

Manual Integrations
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mohammad
 7/11/2019 5:22:44 PM

Quant Time: Jul 11 13:51:33 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF070519.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jul 10 16:47:05 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.89	152	135037	20.00	ng	0.00
21) Naphthalene-d8	8.18	136	430923	20.00	ng	0.00
39) Acenaphthene-d10	9.97	164	160648	20.00	ng	0.03
64) Phenanthrene-d10	11.50	188	118114	20.00	ng	0.08
76) Chrysene-d12	14.11	240	236874	20.00	ng	0.04
87) Perylene-d12	15.57	264	321502	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.51	112	761065	87.08	ng	0.00
7) Phenol-d6	6.52	99	1007224	90.61	ng	0.00
23) Nitrobenzene-d5	7.45	82	612110	83.93	ng	0.00
42) 2,4,6-Tribromophenol	10.77	330	145818	82.09	ng	0.05
45) 2-Fluorobiphenyl	9.27	172	999865	109.21	ng	0.01
79) Terphenyl-d14	13.09	244	408242	35.29	ng	0.08
Target Compounds						
31) Naphthalene	8.20	128	50047	2.338	ng	# 86
37) 2-Methylnaphthalene	8.91	142	191858	13.410	ng	# 94
38) 1-Methylnaphthalene	9.00	142	129015	9.451	ng	# 89
46) 1,1'-Biphenyl	9.37	154	82942	6.567	ng	# 97
50) Dimethylphthalate	9.66	163	99726	8.271	ng	# 75
58) Fluorene	10.49	166	137750m	12.472	ng	
71) Phenanthrene	11.53	178	192634m	31.010	ng	
78) Pyrene	12.97	202	93097m	5.054	ng	
84) Bis(2-ethylhexyl)phthalate	14.09	149	2449916	245.801	ng	# 94

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

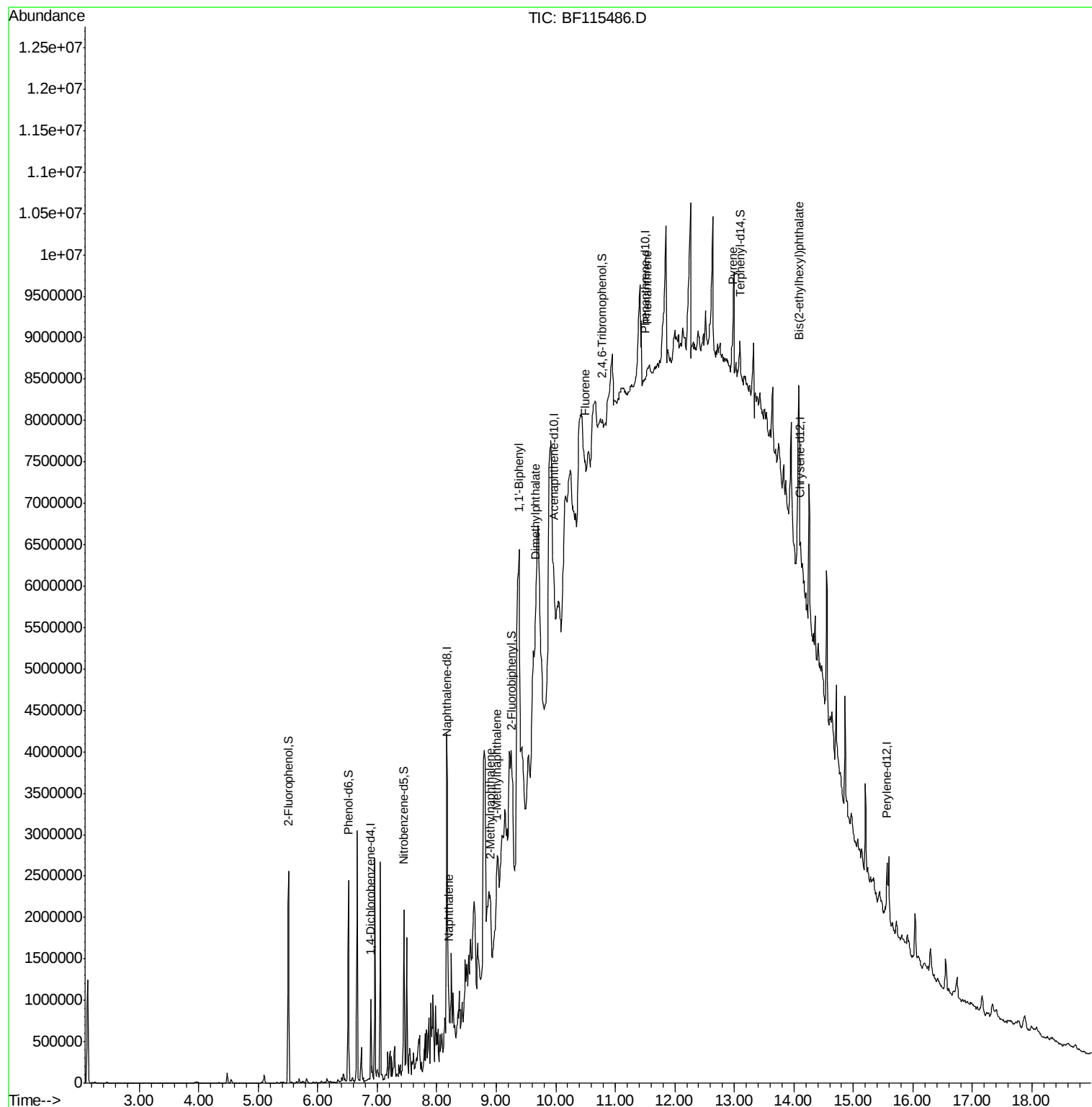
Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF071019\
Data File : BF115486.D
Acq On : 11 Jul 2019 6:13
Operator : HP/JU
Sample : K3716-03
Misc :
ALS Vial : 27 Sample Multiplier: 1

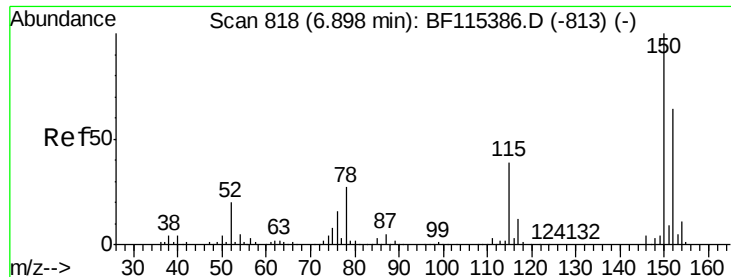
Instrument :
BNA_F
ClientSampleId :
CONCRETE-3

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Quant Time: Jul 11 13:51:33 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF070519.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jul 10 16:47:05 2019
Response via : Initial Calibration





#1

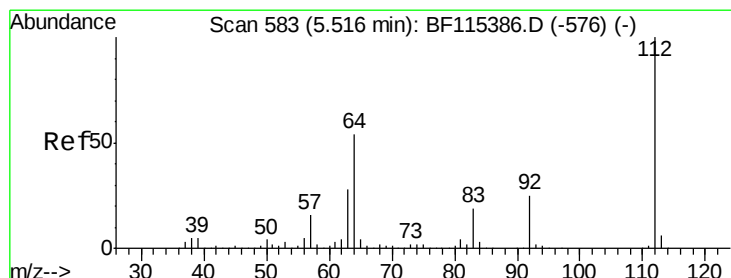
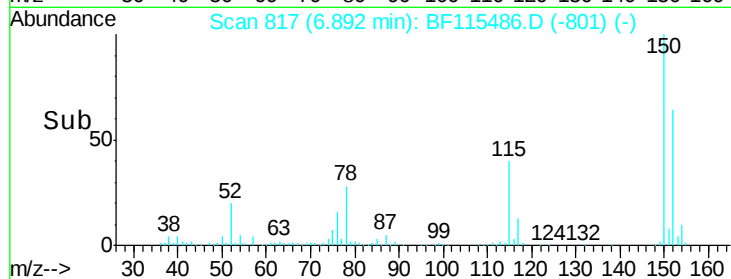
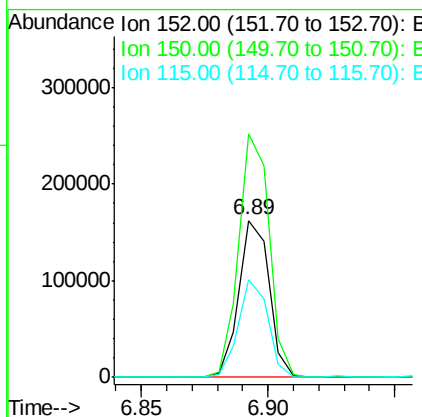
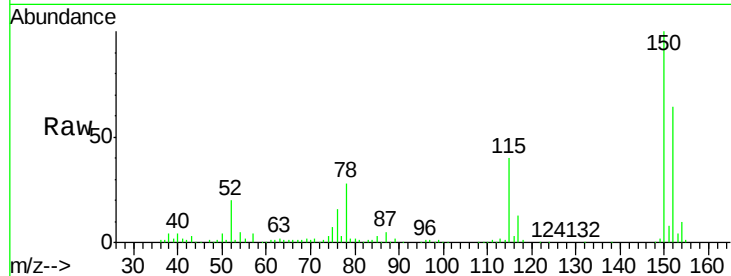
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.89 min Scan# 817
Delta R.T. -0.01 min
Lab File: BF115486.D
Acq: 11 Jul 2019 6:13

Instrument :
BNA_F
ClientSampleId :
CONCRETE-3

Tgt Ion	Ratio	Resp	Lower	Upper
152	100	135037		
150	155.2	127.4	191.2	
115	62.0	46.2	69.4	

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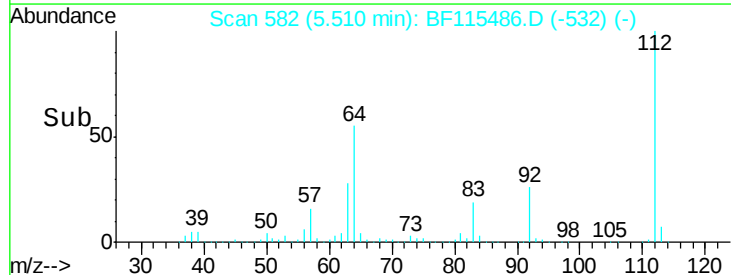
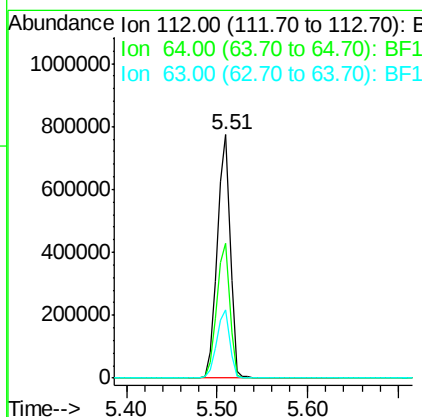
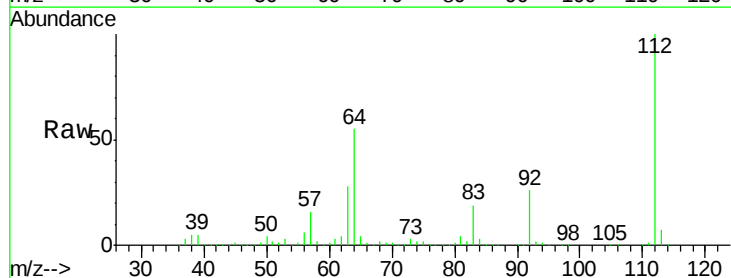
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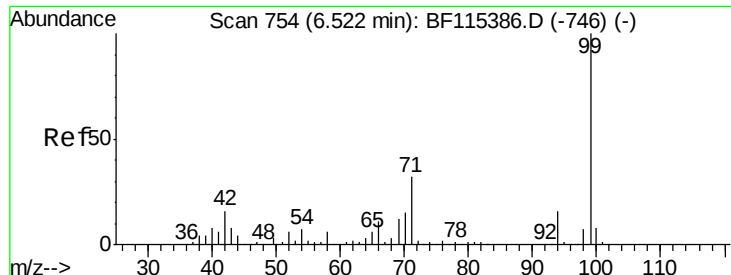


#5

2-Fluorophenol
Concen: 87.077 ng
RT: 5.51 min Scan# 582
Delta R.T. -0.01 min
Lab File: BF115486.D
Acq: 11 Jul 2019 6:13

Tgt Ion	Ratio	Resp	Lower	Upper
112	100	761065		
64	55.5	44.2	66.2	
63	28.3	22.1	33.1	





#7

Phenol-d6

Concen: 90.614 ng

RT: 6.52 min Scan# 754

Delta R.T. -0.00 min

Lab File: BF115486.D

Acq: 11 Jul 2019 6:13

Instrument :

BNA_F

ClientSampleId :

CONCRETE-3

Tgt Ion: 99 Resp: 1007224

Ion Ratio Lower Upper

99 100

42 14.7 12.8 19.2

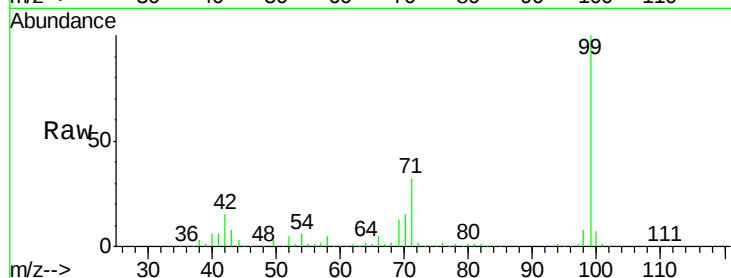
71 32.2 26.5 39.7

Manual Integrations

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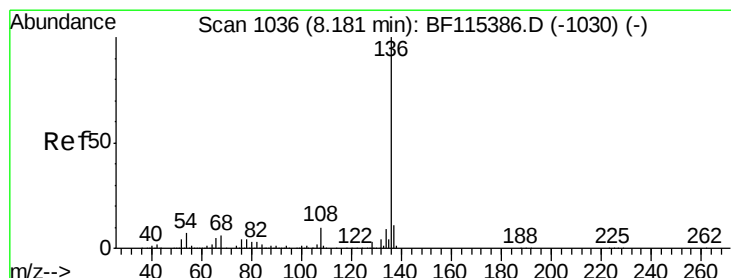
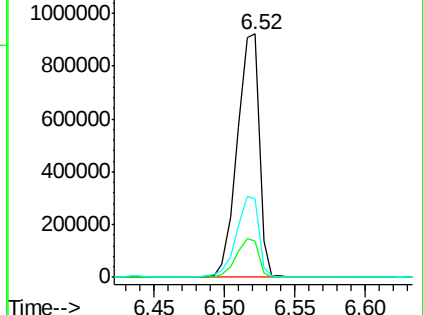
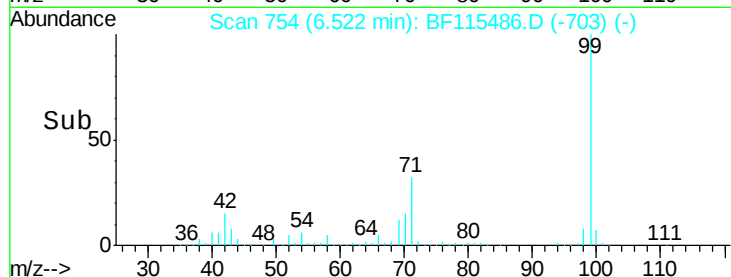
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Abundance Ion 99.00 (98.70 to 99.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 71.00 (70.70 to 71.70): BF1



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.18 min Scan# 1036

Delta R.T. -0.00 min

Lab File: BF115486.D

Acq: 11 Jul 2019 6:13

Tgt Ion: 136 Resp: 430923

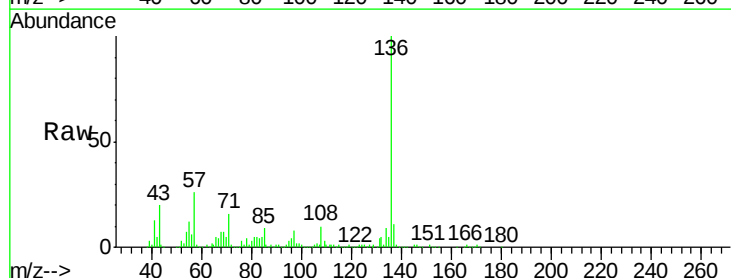
Ion Ratio Lower Upper

136 100

137 11.0 8.8 13.2

54 6.8 5.4 8.0

68 6.9 4.8 7.2

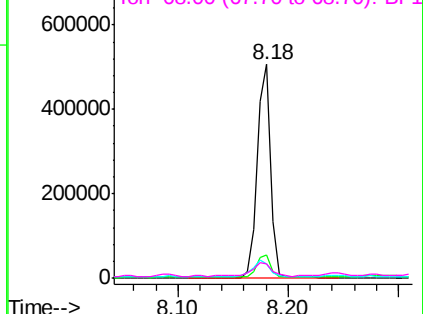
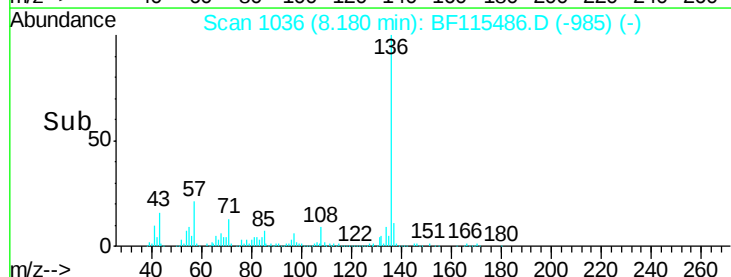


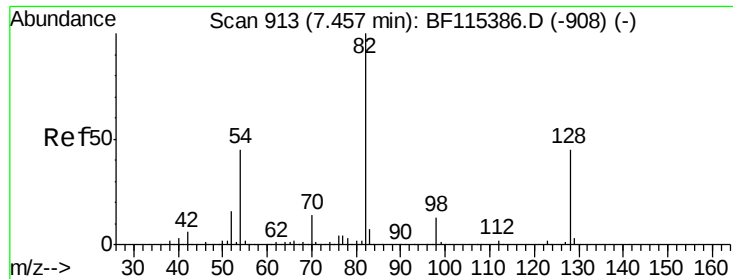
Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF1

Ion 68.00 (67.70 to 68.70): BF1





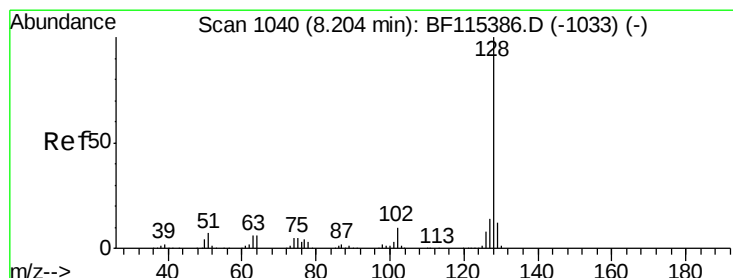
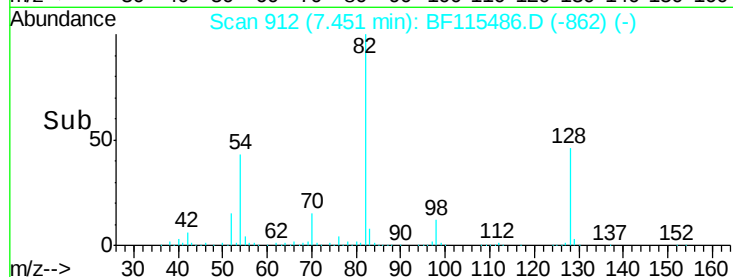
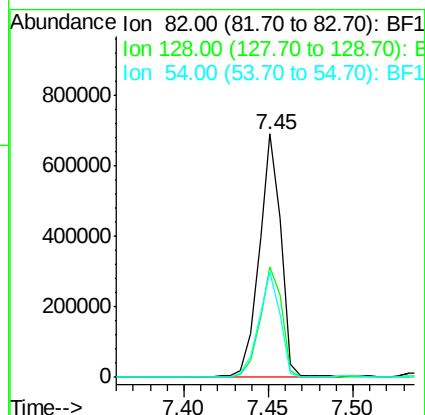
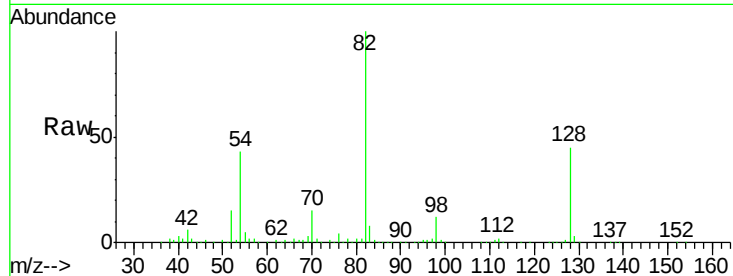
#23
 Nitrobenzene-d5
 Concen: 83.926 ng
 RT: 7.45 min Scan# 912
 Delta R.T. -0.01 min
 Lab File: BF115486.D
 Acq: 11 Jul 2019 6:13

Instrument :
 BNA_F
 ClientSampleId :
 CONCRETE-3

Tgt Ion	Ratio	Lower	Upper
82	100		
128	45.5	36.7	55.1
54	43.1	35.6	53.4

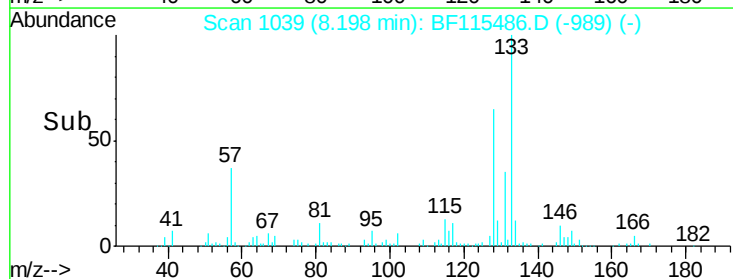
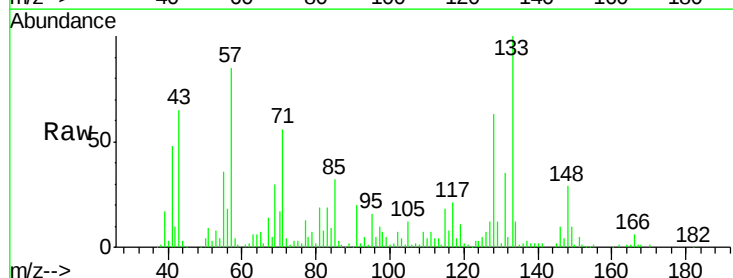
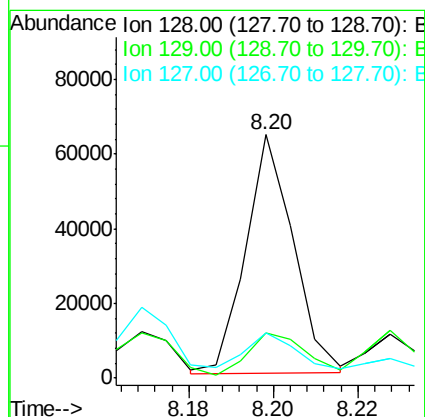
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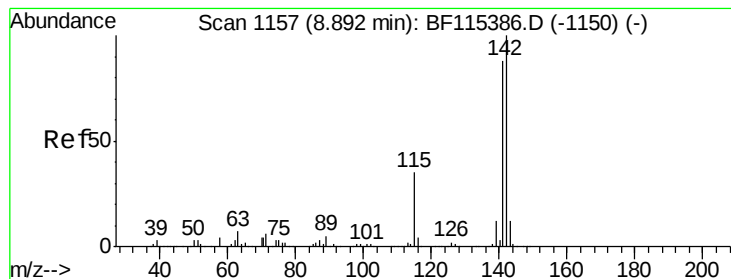
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#31
 Naphthalene
 Concen: 2.338 ng
 RT: 8.20 min Scan# 1039
 Delta R.T. -0.01 min
 Lab File: BF115486.D
 Acq: 11 Jul 2019 6:13

Tgt Ion	Ratio	Lower	Upper
128	100		
129	18.7	9.3	13.9#
127	18.4	11.1	16.7#





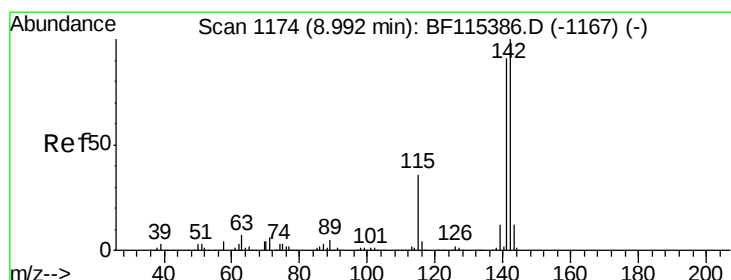
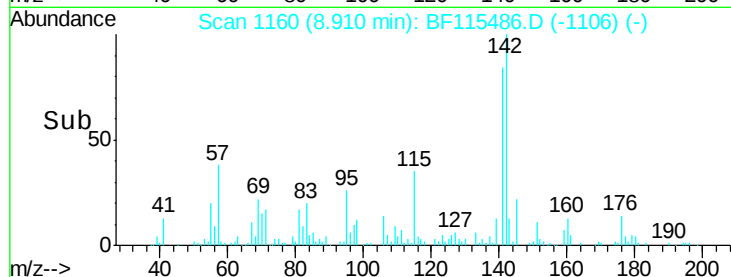
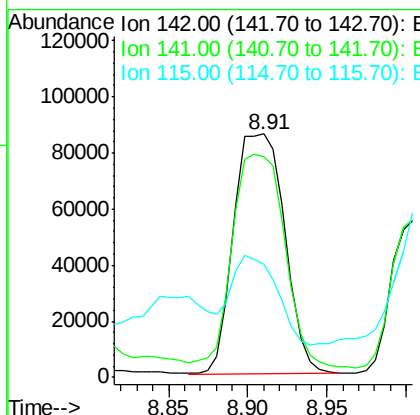
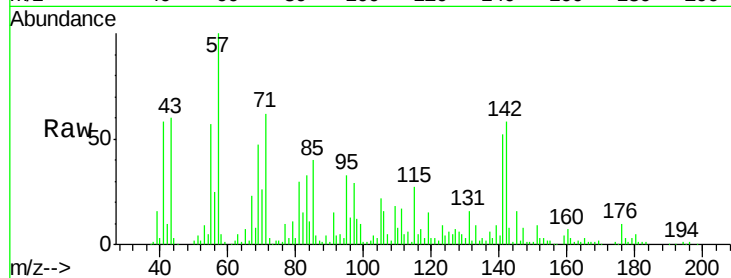
#37
 2-Methylnaphthalene
 Concen: 13.410 ng
 RT: 8.91 min Scan# 1160
 Delta R.T. 0.02 min
 Lab File: BF115486.D
 Acq: 11 Jul 2019 6:13

Instrument :
 BNA_F
 ClientSampleId :
 CONCRETE-3

Tgt Ion	Ratio	Resp	Lower	Upper
142	100	191858		
141	90.7	72.1	108.1	
115	46.4	27.6	41.4#	

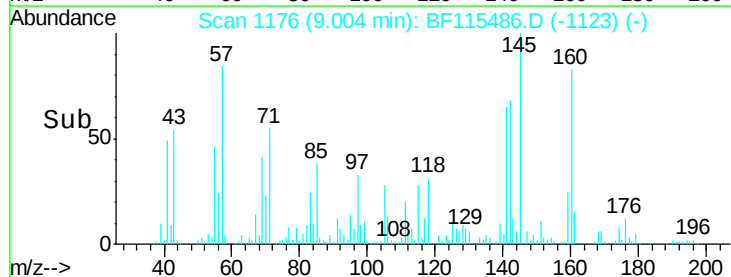
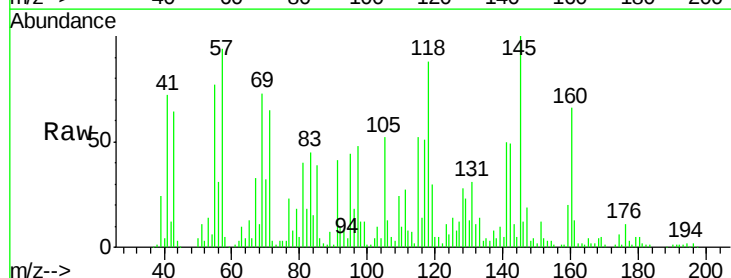
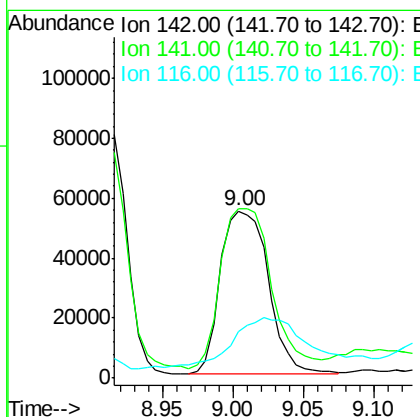
Manual Integrations
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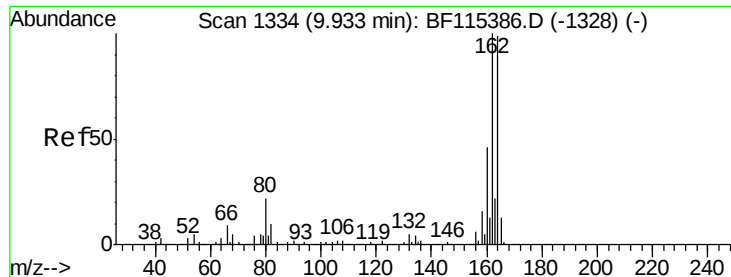
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#38
 1-Methylnaphthalene
 Concen: 9.451 ng
 RT: 9.00 min Scan# 1176
 Delta R.T. 0.01 min
 Lab File: BF115486.D
 Acq: 11 Jul 2019 6:13

Tgt Ion	Ratio	Resp	Lower	Upper
142	100	129015		
141	101.0	74.3	111.5	
116	27.5	3.1	4.7#	





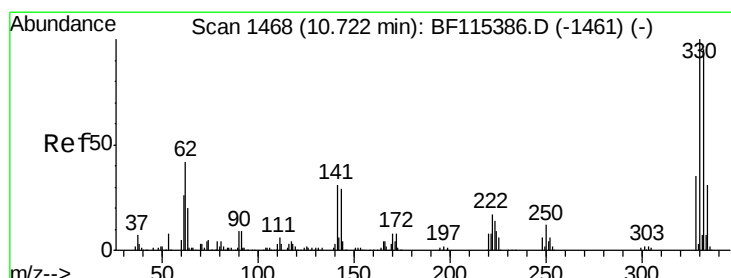
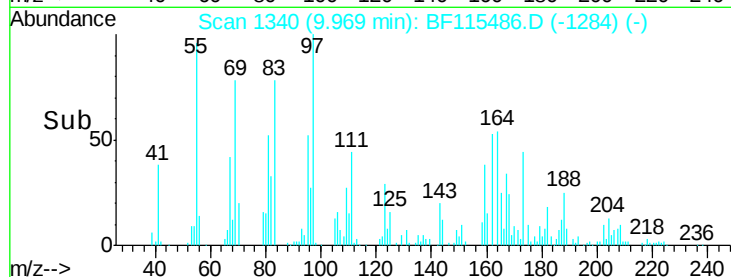
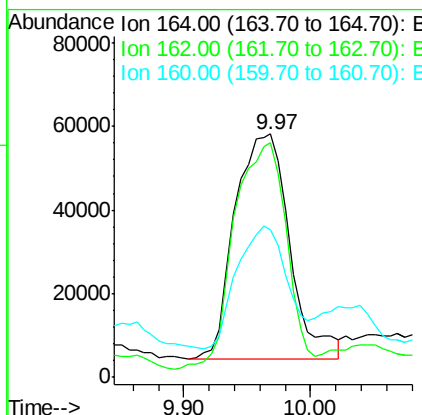
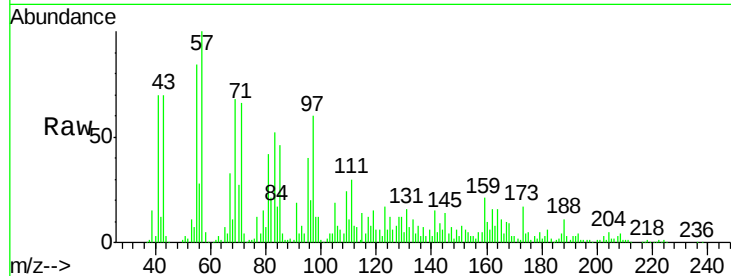
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.97 min Scan# 1340
Delta R.T. 0.03 min
Lab File: BF115486.D
Acq: 11 Jul 2019 6:13

Instrument :
BNA_F
ClientSampleId :
CONCRETE-3

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	160648		
162	96.3	82.3	123.5	
160	60.8	37.2	55.8#	

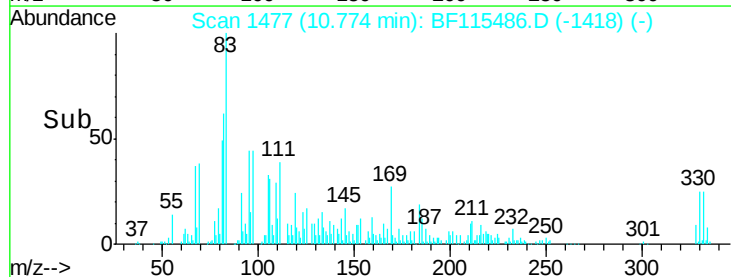
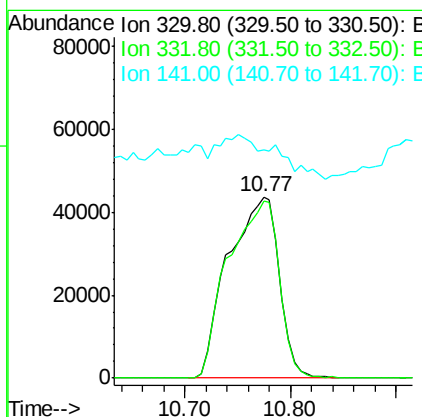
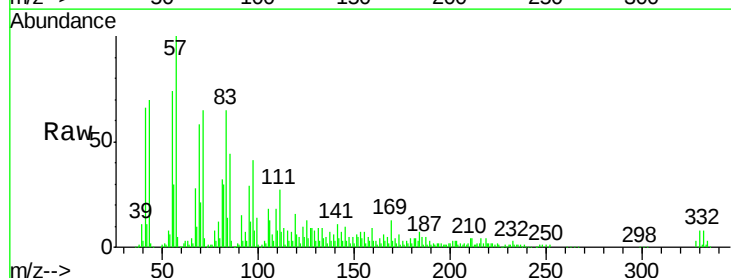
Manual Integrations
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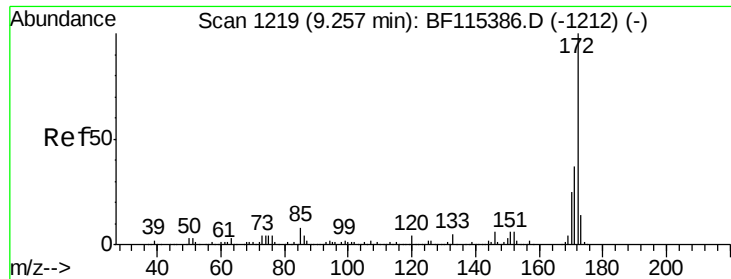
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#42
2,4,6-Tribromophenol
Concen: 82.094 ng
RT: 10.77 min Scan# 1477
Delta R.T. 0.05 min
Lab File: BF115486.D
Acq: 11 Jul 2019 6:13

Tgt Ion	Ratio	Resp	Lower	Upper
330	100	145818		
332	98.4	77.4	116.0	
141	0.0	24.7	37.1#	





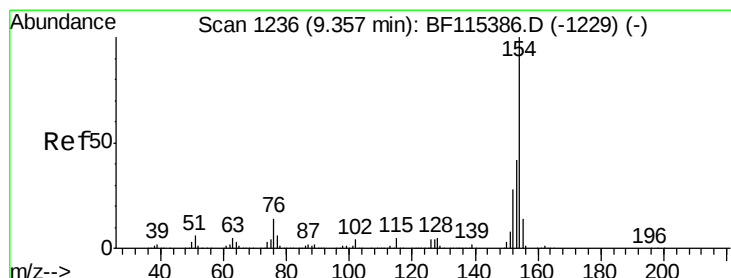
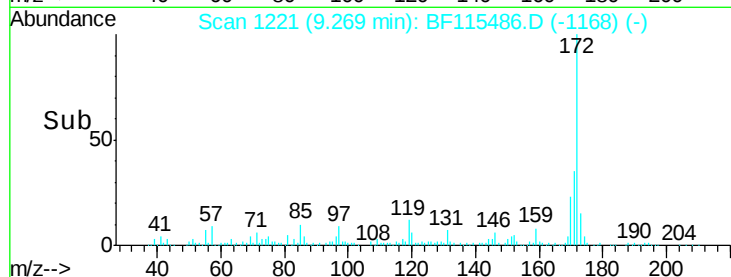
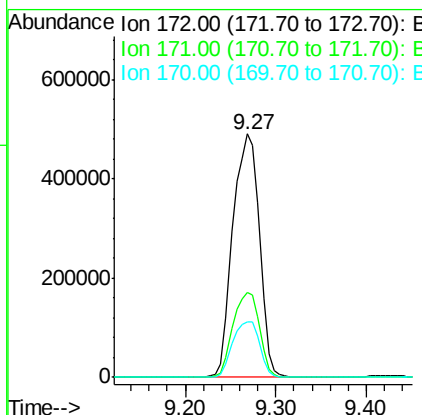
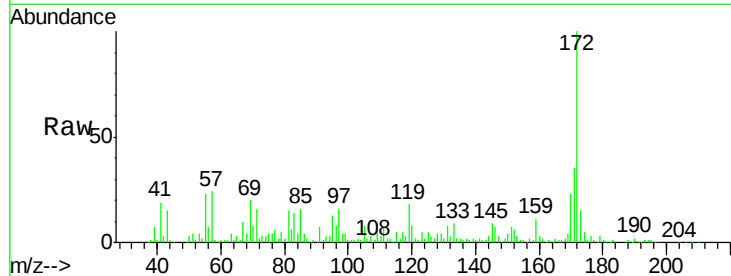
#45
2-Fluorobiphenyl
Concen: 109.215 ng
RT: 9.27 min Scan# 1221
Delta R.T. 0.01 min
Lab File: BF115486.D
Acq: 11 Jul 2019 6:13

Instrument :
BNA_F
ClientSampleId :
CONCRETE-3

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	999865		
171	35.1	29.8	44.8	
170	23.0	20.0	30.0	

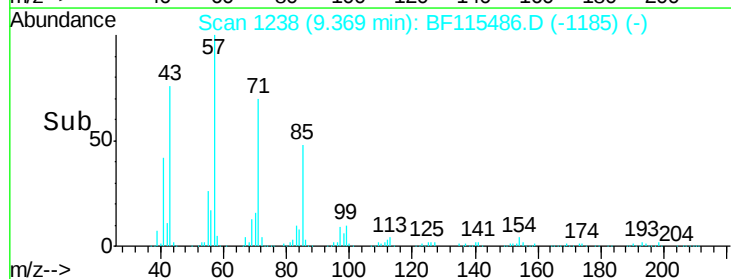
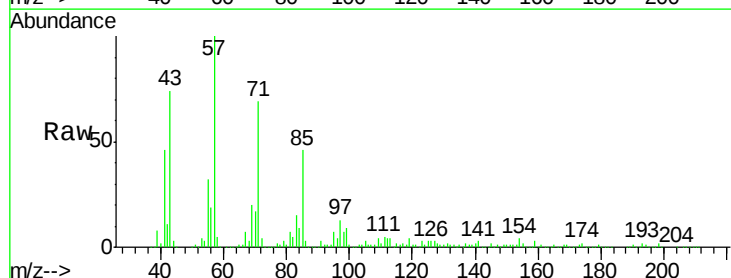
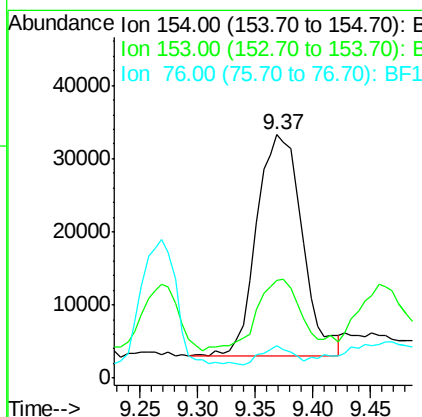
Manual Integrations
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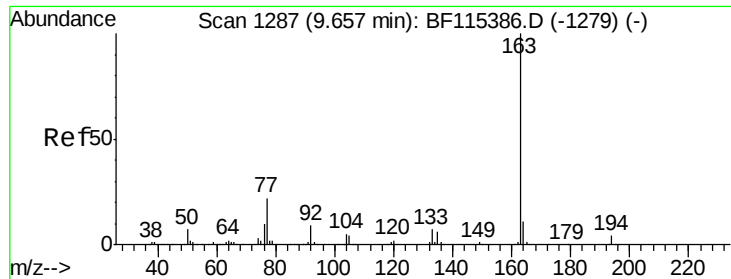
mohammad
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#46
1,1'-Biphenyl
Concen: 6.567 ng
RT: 9.37 min Scan# 1238
Delta R.T. 0.01 min
Lab File: BF115486.D
Acq: 11 Jul 2019 6:13

Tgt Ion	Ratio	Resp	Lower	Upper
154	100	82942		
153	40.1	21.5	61.5	
76	13.1	0.0	34.6	





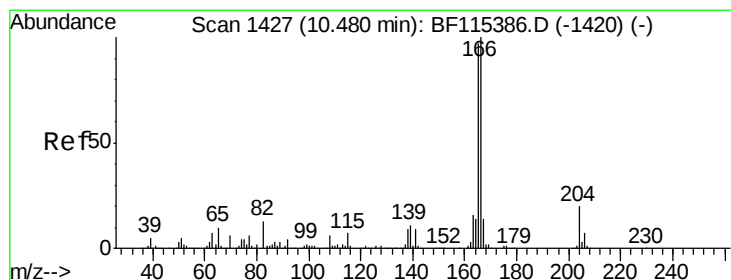
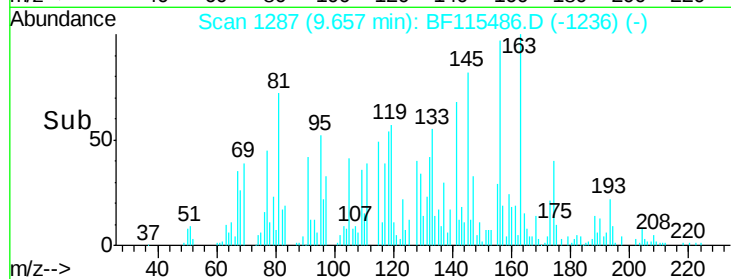
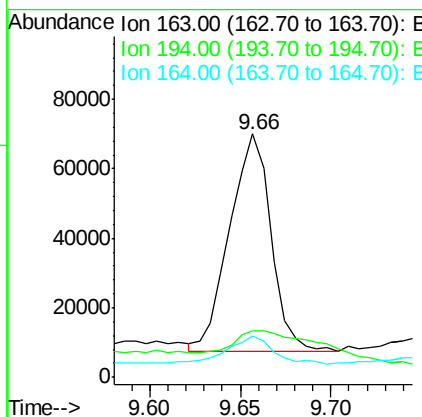
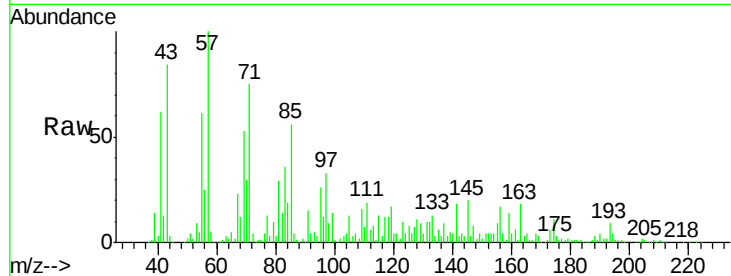
#50
Dimethylphthalate
Concen: 8.271 ng
RT: 9.66 min Scan# 1287
Delta R.T. -0.00 min
Lab File: BF115486.D
Acq: 11 Jul 2019 6:13

Instrument :
BNA_F
ClientSampleId :
CONCRETE-3

Tgt Ion	Ratio	Resp	Lower	Upper
163	100	99726		
194	19.4	3.1	4.7#	
164	17.1	8.6	13.0#	

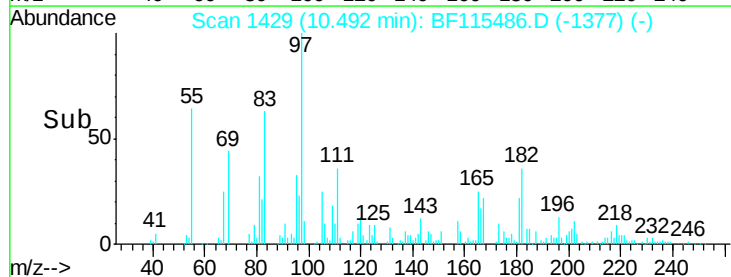
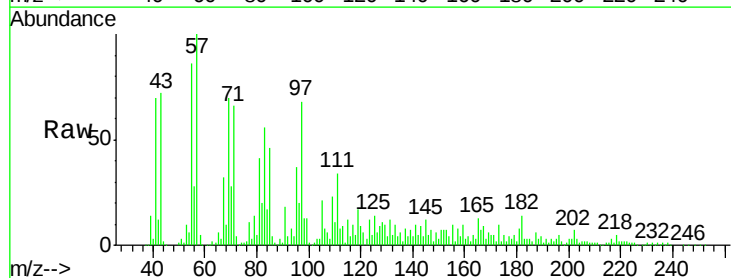
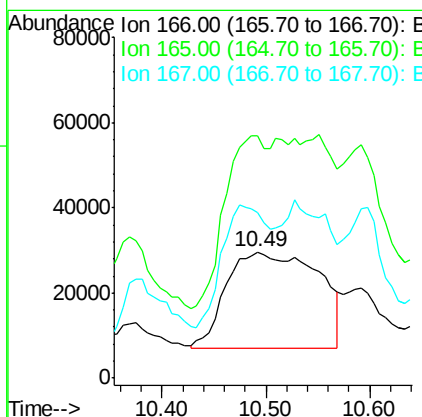
Manual Integrations
APPROVED

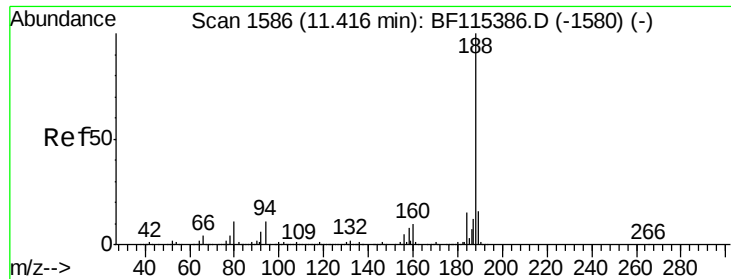
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#58
Fluorene
Concen: 12.472 ng m
RT: 10.49 min Scan# 1429
Delta R.T. 0.01 min
Lab File: BF115486.D
Acq: 11 Jul 2019 6:13

Tgt Ion	Ratio	Resp	Lower	Upper
166	100	137750		
165	191.8	78.7	118.1#	
167	131.1	10.8	16.2#	





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.50 min Scan# 1601

Delta R.T. 0.08 min

Lab File: BF115486.D

Acq: 11 Jul 2019 6:13

Instrument :

BNA_F

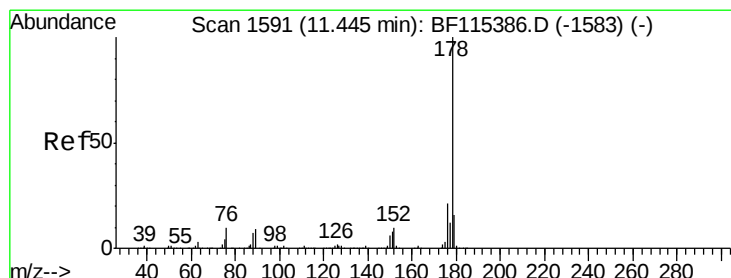
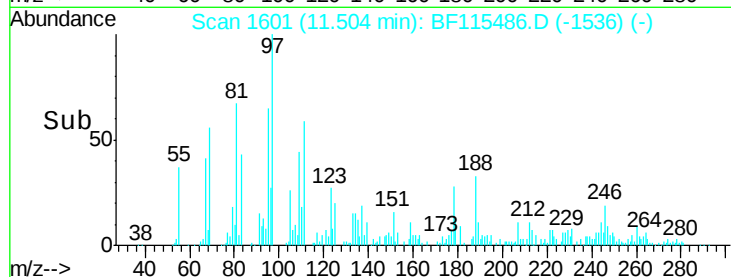
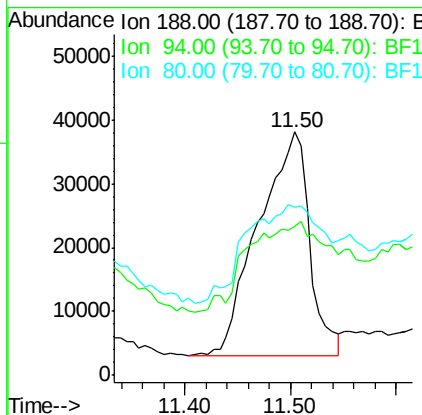
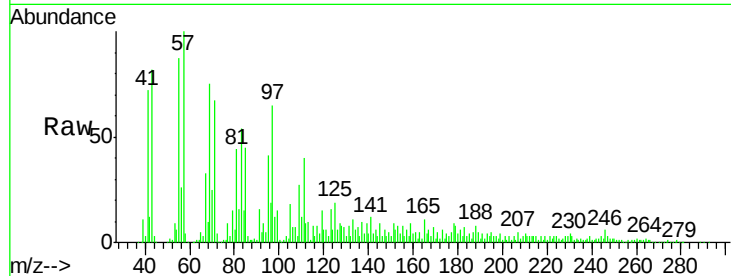
ClientSampled :

CONCRETE-3

Tgt Ion:	188	Resp:	118114
Ion Ratio	Lower	Upper	
188	100		
94	61.3	7.8	11.8#
80	69.1	8.4	12.6#

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#71

Phenanthrene

Concen: 31.010 ng m

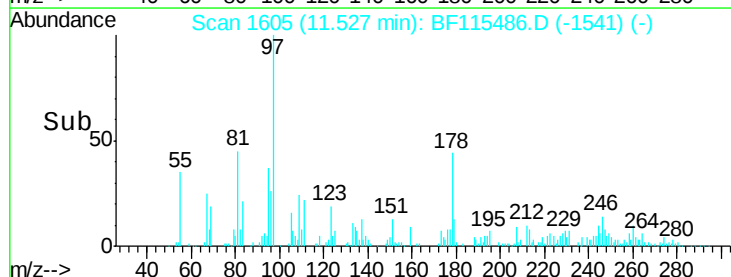
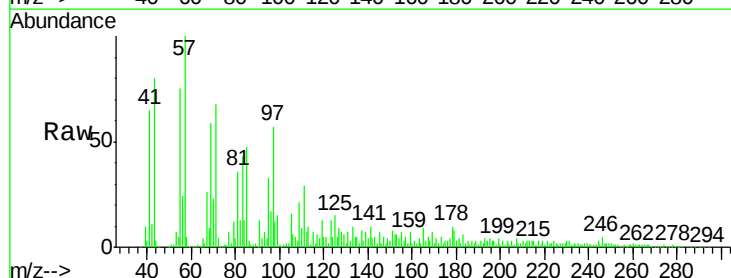
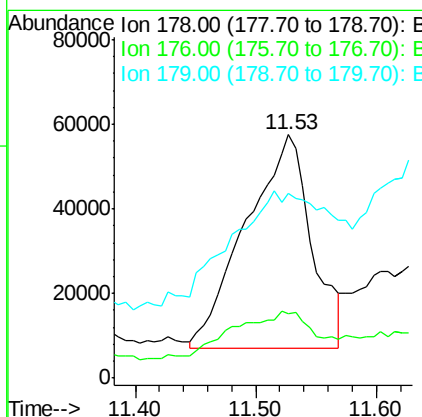
RT: 11.53 min Scan# 1605

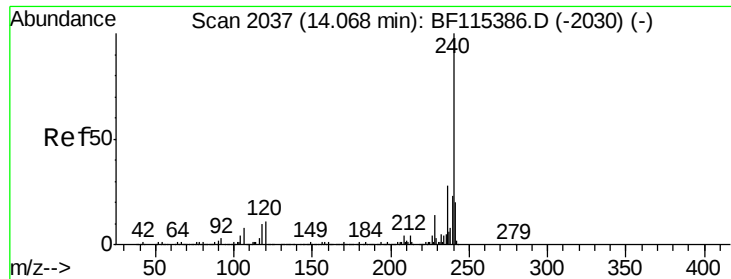
Delta R.T. 0.08 min

Lab File: BF115486.D

Acq: 11 Jul 2019 6:13

Tgt Ion:	178	Resp:	192634
Ion Ratio	Lower	Upper	
178	100		
176	26.7	16.6	24.8#
179	76.0	12.7	19.1#





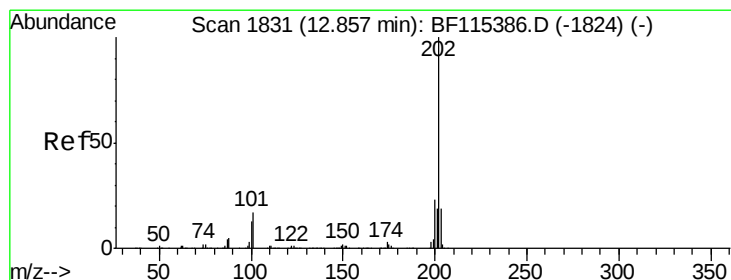
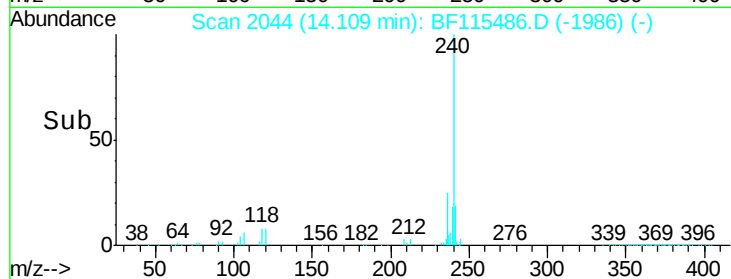
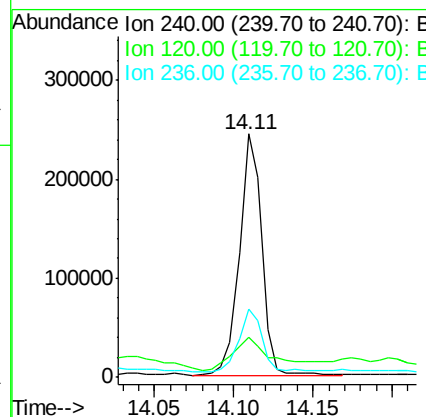
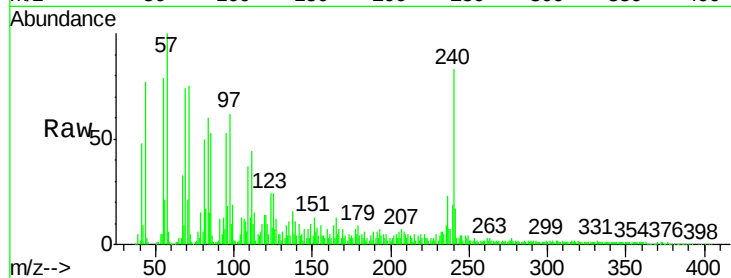
#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.11 min Scan# 2044
Delta R.T. 0.04 min
Lab File: BF115486.D
Acq: 11 Jul 2019 6:13

Instrument :
BNA_F
ClientSampleId :
CONCRETE-3

Tgt Ion	Ratio	Resp	Lower	Upper
240	100	236874		
120	16.3	10.2	15.4#	
236	28.2	21.1	31.7	

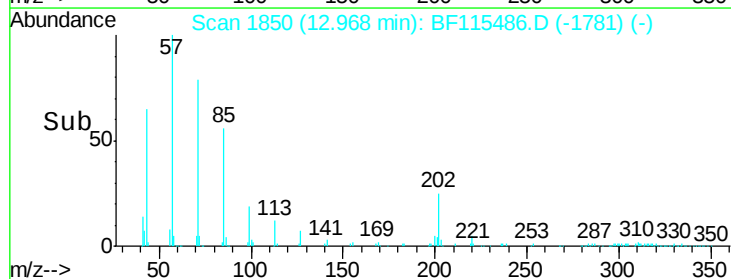
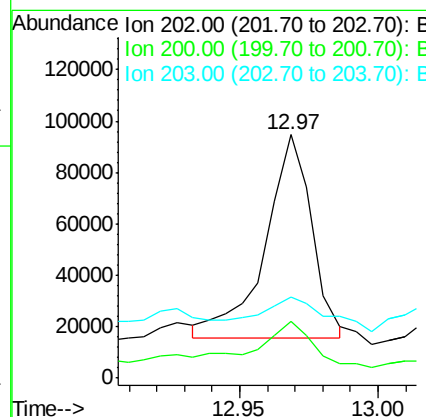
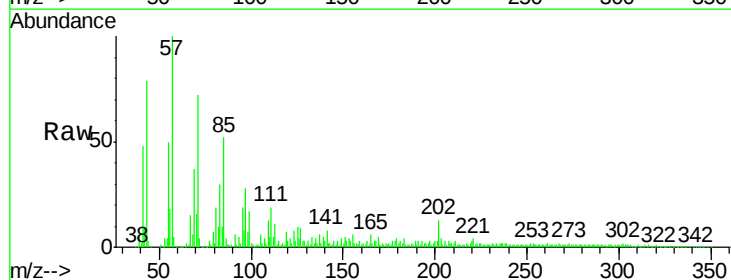
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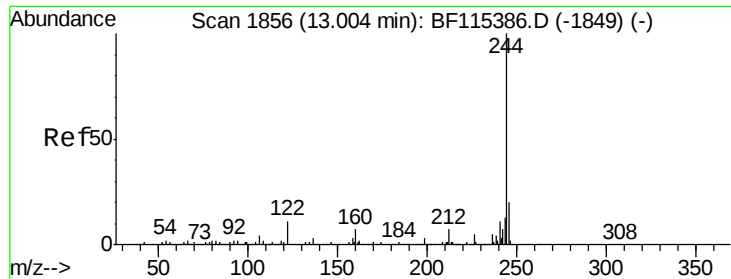
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7/11/2019 5:22:44 PM



#78
Pyrene
Concen: 5.054 ng m
RT: 12.97 min Scan# 1850
Delta R.T. 0.11 min
Lab File: BF115486.D
Acq: 11 Jul 2019 6:13

Tgt Ion	Ratio	Resp	Lower	Upper
202	100	93097		
200	23.4	17.6	26.4	
203	33.5	14.7	22.1#	





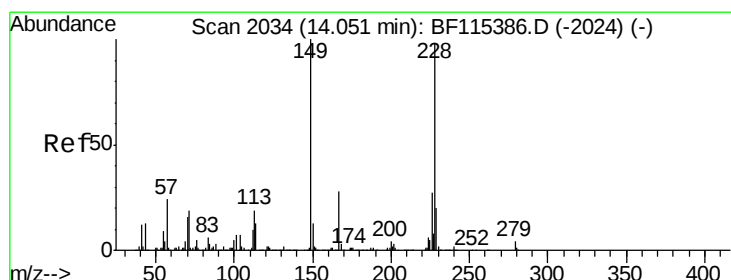
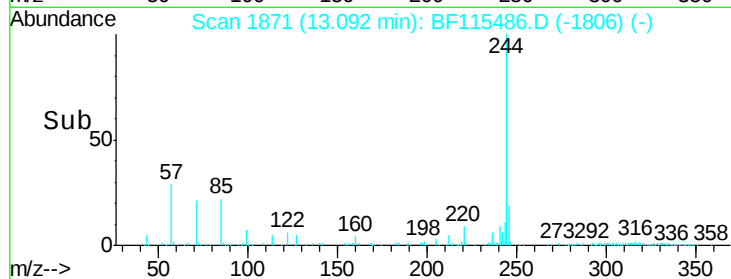
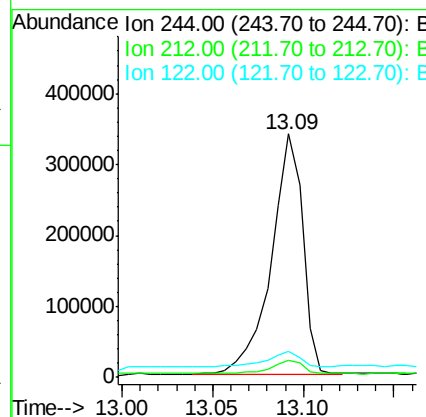
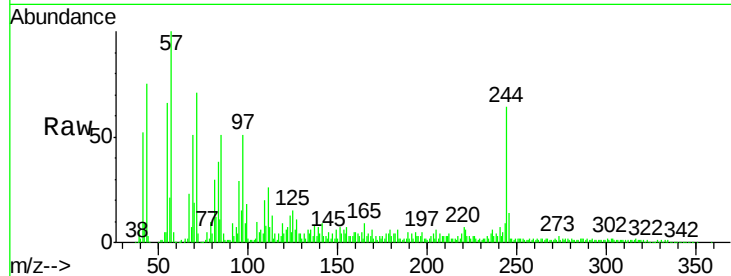
#79
 Terphenyl-d14
 Concen: 35.288 ng
 RT: 13.09 min Scan# 1871
 Delta R.T. 0.08 min
 Lab File: BF115486.D
 Acq: 11 Jul 2019 6:13

Instrument :
 BNA_F
 ClientSampleId :
 CONCRETE-3

Tgt Ion	Ratio	Lower	Upper
244	100		
212	6.9	5.7	8.5
122	10.7	9.1	13.7

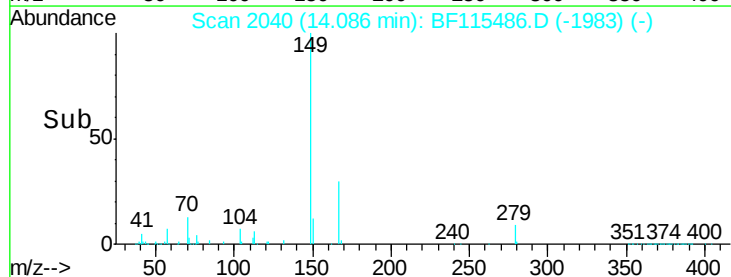
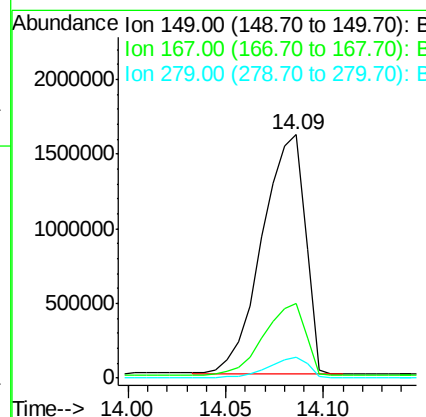
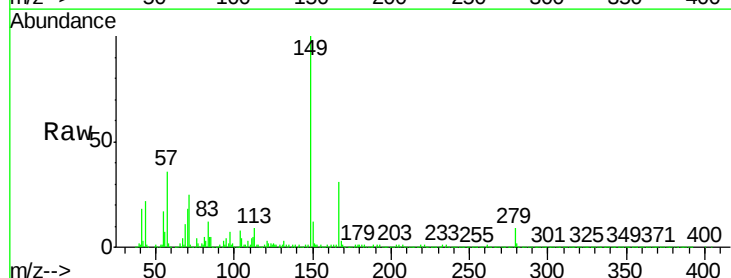
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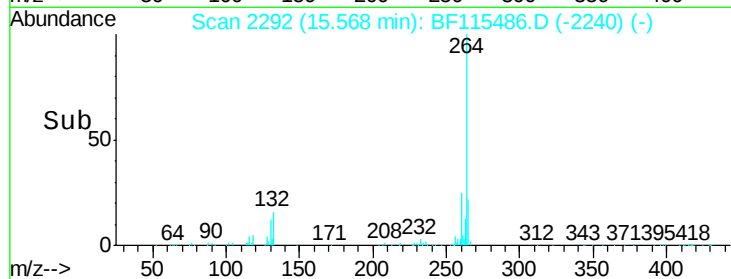
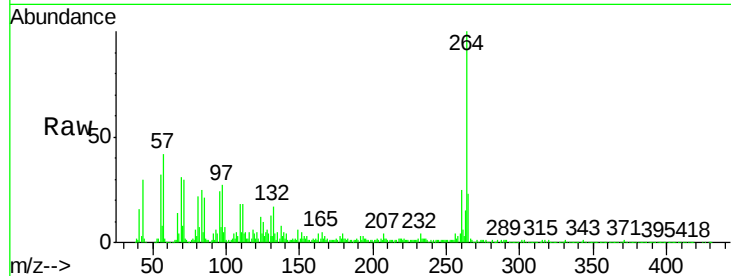
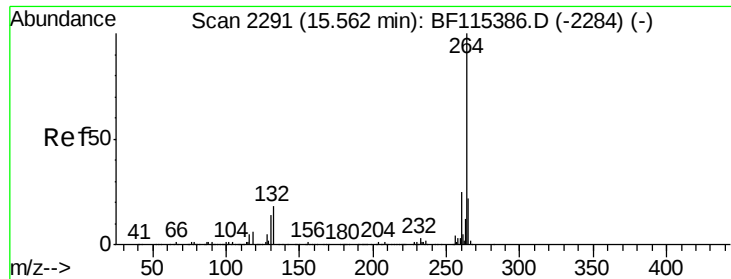
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#84
 Bis(2-ethylhexyl)phthalate
 Concen: 245.801 ng
 RT: 14.09 min Scan# 2040
 Delta R.T. 0.04 min
 Lab File: BF115486.D
 Acq: 11 Jul 2019 6:13

Tgt Ion	Ratio	Lower	Upper
149	100		
167	30.8	22.6	34.0
279	8.8	3.8	5.6





#87
Perylene-d12
Concen: 20.000 ng
RT: 15.57 min Scan# 2292
Delta R.T. 0.01 min
Lab File: BF115486.D
Acq: 11 Jul 2019 6:13

Instrument :
BNA_F
ClientSampleId :
CONCRETE-3

Tgt Ion	Ratio	Resp Lower	Upper
264	100		
260	25.3	20.1	30.1
265	22.5	17.8	26.6

Manual Integrations
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