

Data Path : Z:\HPCHEM1\BNA F\DATA\BF060816\
 Data File : BF087819.D
 Acq On : 8 Jun 2016 19:49
 Operator : UM/SJ
 Sample : H3378-15 2X
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SS-24

Manual Integrations
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Quant Time: Jun 09 04:00:21 2016
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF060716.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jun 07 18:51:55 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.82	152	111043	20.00	ng	-0.02
21) Naphthalene-d8	8.11	136	473050	20.00	ng	-0.01
38) Acenaphthene-d10	9.87	164	201174	20.00	ng	-0.01
63) Phenanthrene-d10	11.35	188	308621	20.00	ng	-0.01
75) Chrysene-d12	13.99	240	246237	20.00	ng	0.00
86) Perylene-d12	15.42	264	215572	20.00	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.42	112	287084	44.20	ng	-0.01
7) Phenol-d6	6.46	99	381540	48.47	ng	-0.02
23) Nitrobenzene-d5	7.38	82	178550	22.04	ng	-0.03
41) 2,4,6-Tribromophenol	10.66	330	66644	31.37	ng	-0.01
44) 2-Fluorobiphenyl	9.19	172	353833	23.63	ng	-0.02
78) Terphenyl-d14	12.94	244	229597	21.22	ng	-0.01
Target Compounds						Qvalue
49) Dimethylphthalate	9.59	163	62898	4.32	ng	99
51) Acenaphthene	9.90	154	38707	3.00	ng	97
70) Phenanthrene	11.38	178	321390	19.85	ng	97
71) Anthracene	11.43	178	107652	6.59	ng	98
72) Carbazole	11.59	167	37760	2.47	ng	# 96
74) Fluoranthene	12.56	202	319260	18.68	ng	96
77) Pyrene	12.79	202	262708	14.38	ng	98
80) Benzo(a)anthracene	13.98	228	151571	10.80	ng	99
82) Chrysene	14.01	228	103642	7.85	ng	95
85) Indeno(1,2,3-cd)pyrene	16.80	276	47032	3.83	ng	# 100
87) Benzo(b)fluoranthene	15.01	252	126146m	8.40	ng	
88) Benzo(k)fluoranthene	15.02	252	54328m	4.79	ng	
89) Benzo(a)pyrene	15.35	252	94137	7.74	ng	97
91) Benzo(a,h,i)perylene	17.21	276	44879	3.86	ng	97

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

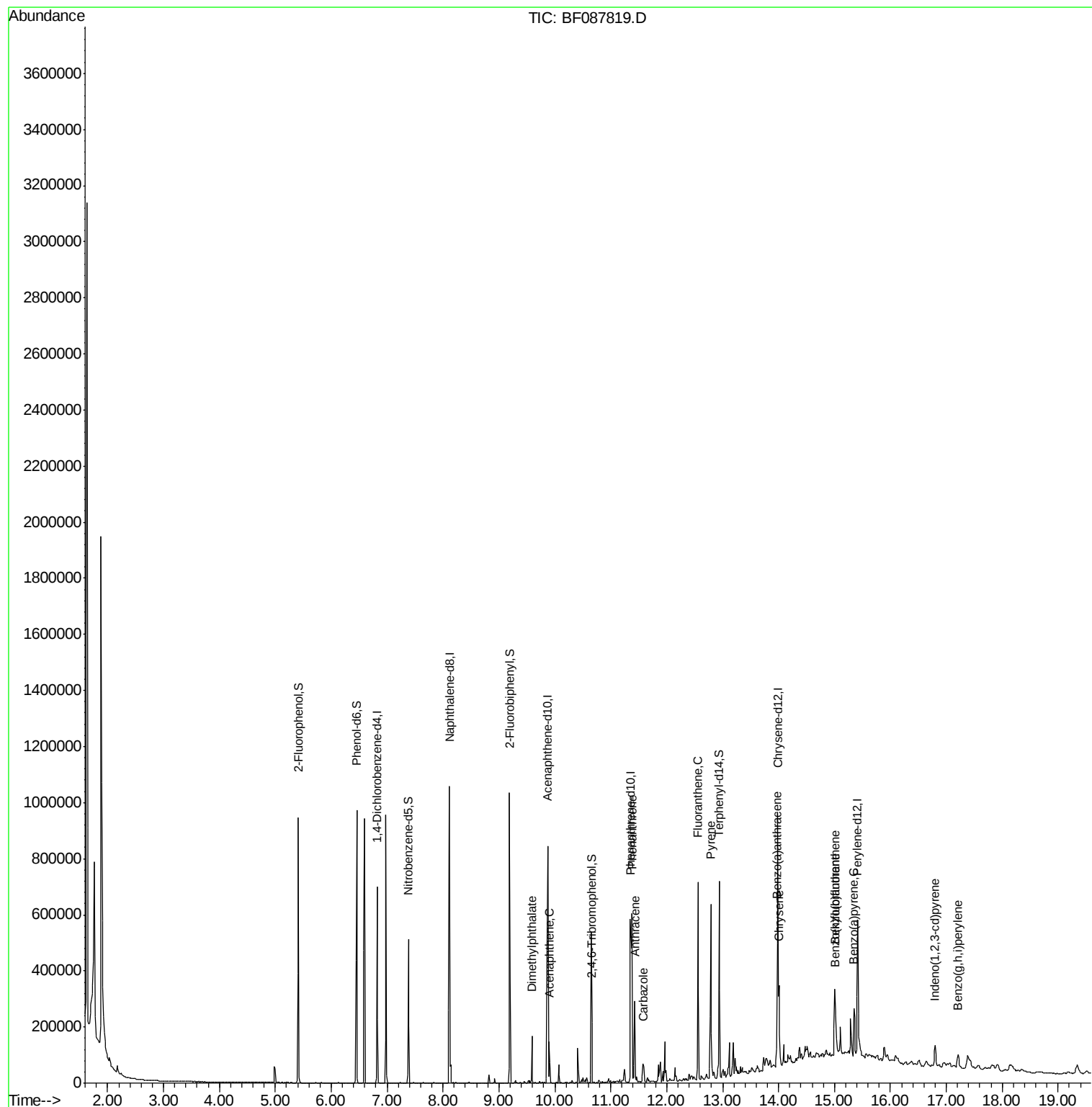
Data Path : Z:\HPCHEM1\BNA F\DATA\BF060816\
Data File : BF087819.D
Acq On : 8 Jun 2016 19:49
Operator : UM/SJ
Sample : H3378-15 2X
Misc :
ALS Vial : 14 Sample Multiplier: 1

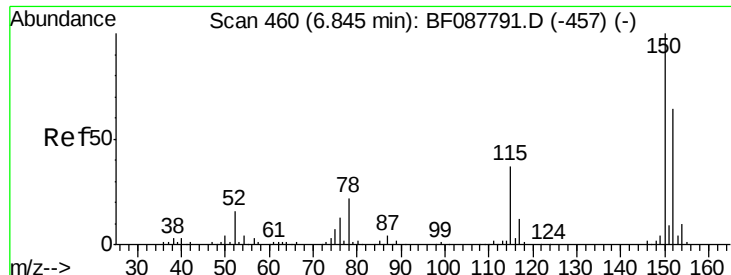
Instrument :
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Quant Time: Jun 09 04:00:21 2016
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF060716.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.82 min Scan# 458

Delta R.T. -0.02 min

Lab File: BF087819.D

Acq: 8 Jun 2016 19:49

Instrument :

BNA_F

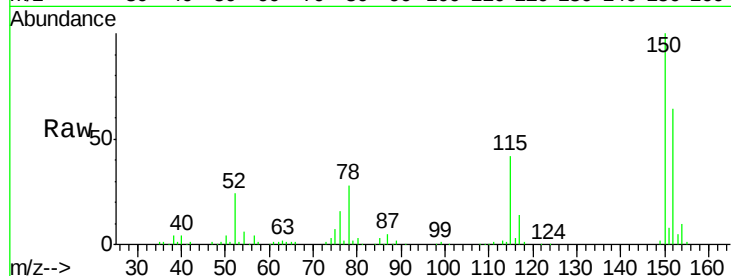
ClientSampled :

SS-24

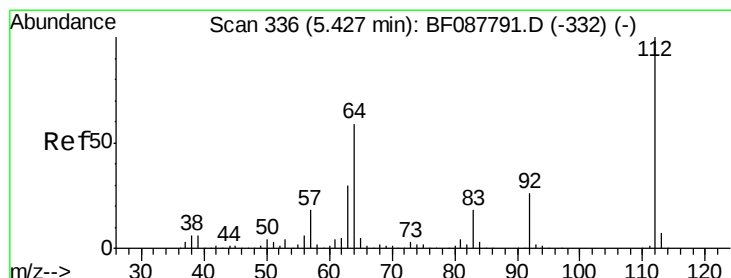
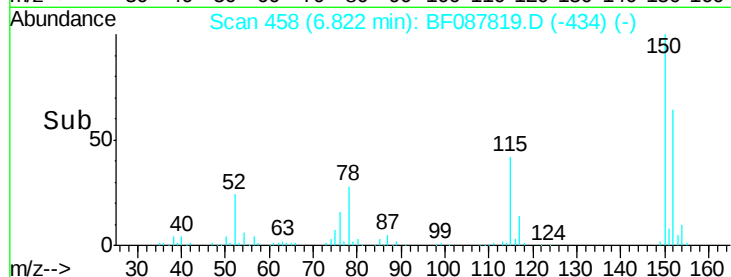
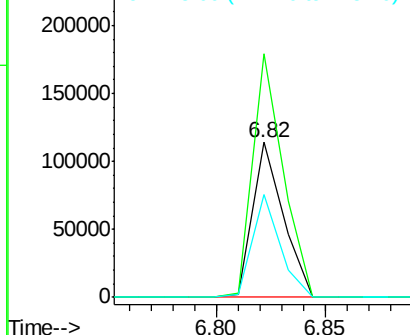
Tot Ion:	152	Resp:	111043
Ion Ratio	Lower	Upper	
152	100		
150	157.4	123.8	185.6
115	66.7	39.6	59.4

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Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol

Concen: 44.20 ng

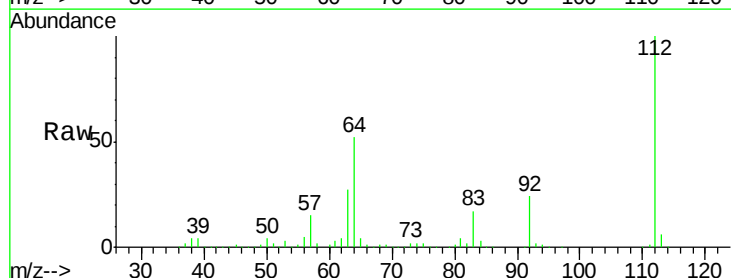
RT: 5.42 min Scan# 335

Delta R.T. -0.01 min

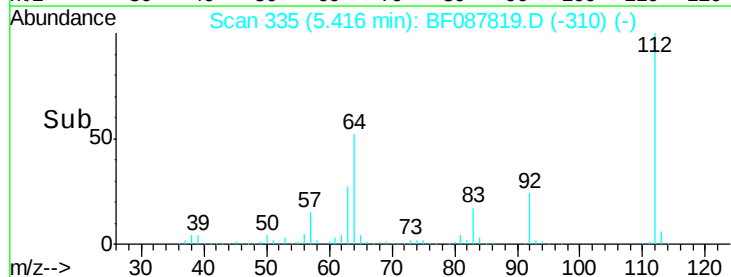
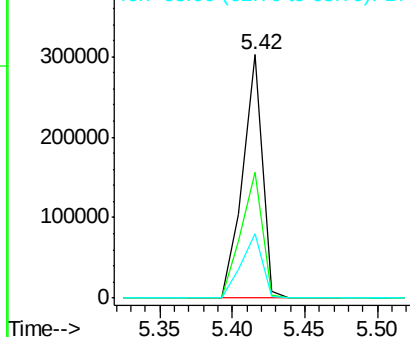
Lab File: BF087819.D

Acq: 8 Jun 2016 19:49

Tgt Ion:	112	Resp:	287084
Ion Ratio	Lower	Upper	
112	100		
64	51.6	42.2	63.2
63	26.6	21.8	32.8



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BF0
Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 48.47 ng

RT: 6.46 min Scan# 426

Delta R.T. -0.02 min

Lab File: BF087819.D

Acq: 8 Jun 2016 19:49

Instrument :

BNA_F

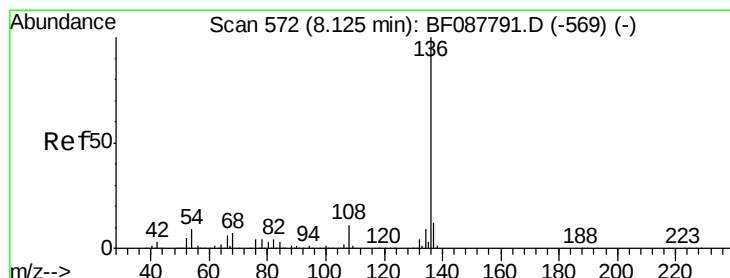
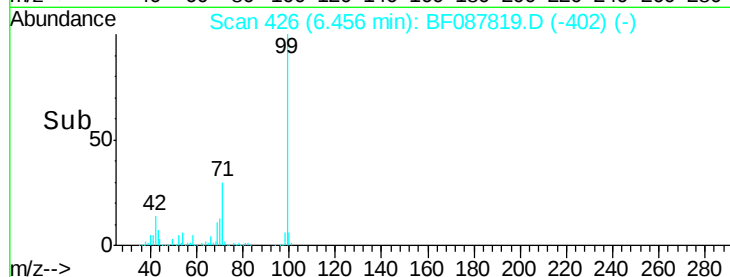
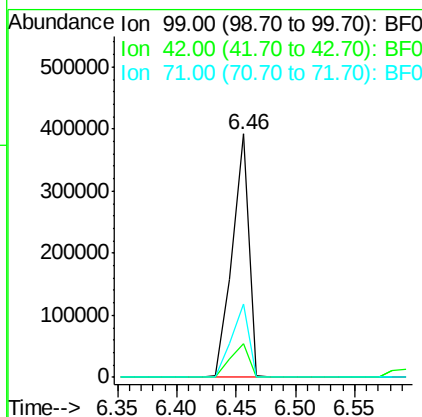
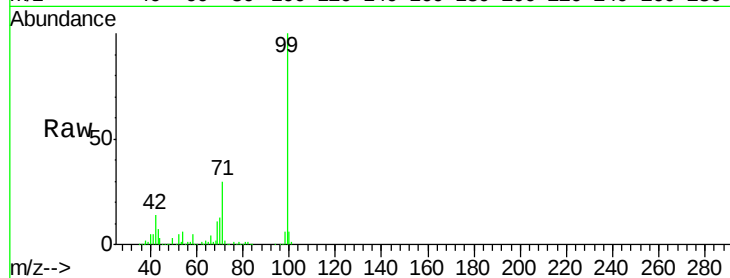
ClientSampled :

SS-24

Tot Ion:	99	Resp:	381540
Ion Ratio		Lower	Upper
99	100		
42	13.8	12.2	18.2
71	30.2	23.4	35.0

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#21

Naphthalene-d8

Concen: 20.00 ng

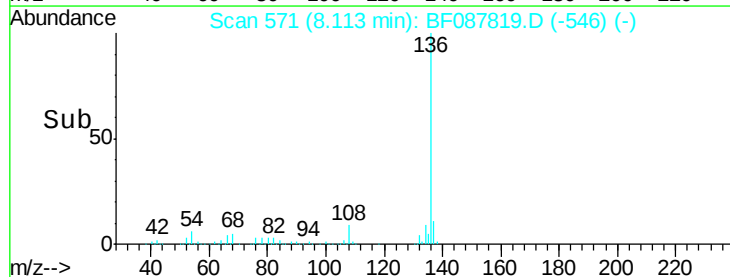
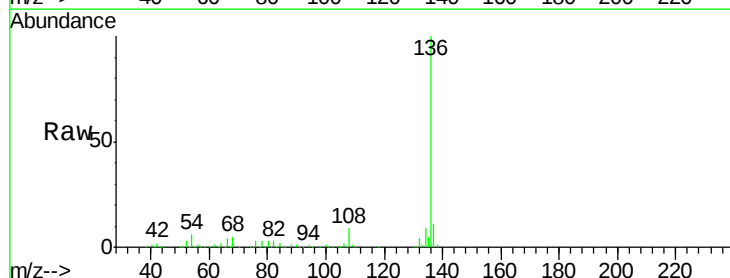
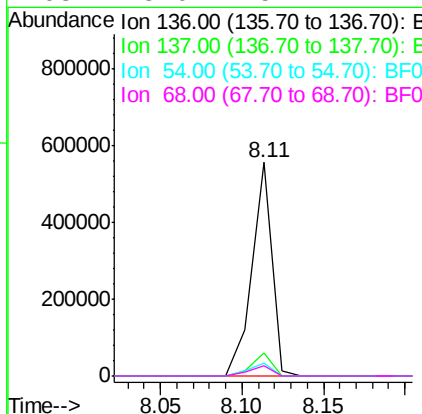
RT: 8.11 min Scan# 571

Delta R.T. -0.01 min

Lab File: BF087819.D

Acq: 8 Jun 2016 19:49

Tgt Ion:	136	Resp:	473050
Ion Ratio		Lower	Upper
136	100		
137	11.1	9.1	13.7
54	6.1	6.6	10.0#
68	5.0	5.1	7.7#





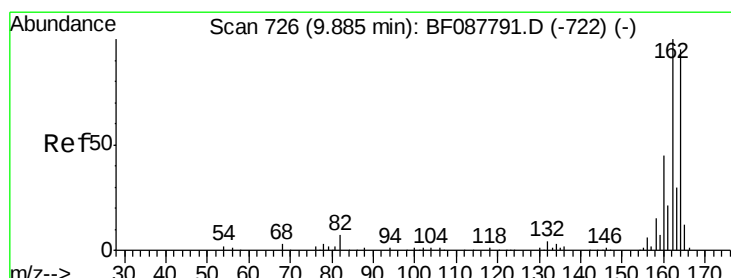
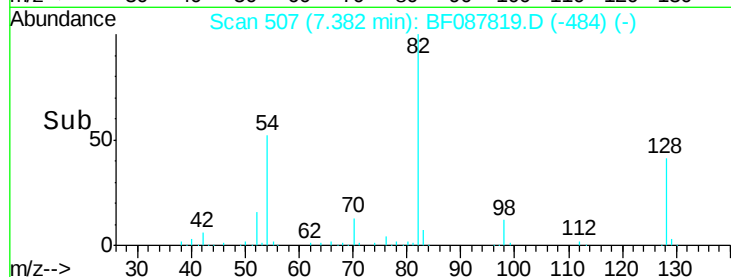
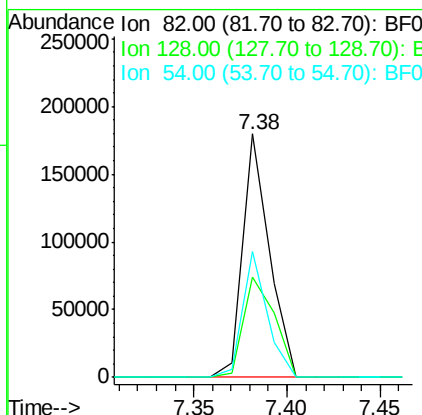
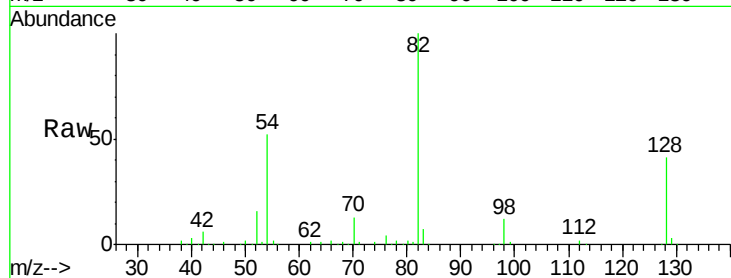
#23
 Nitrobenzene-d5
 Concen: 22.04 ng
 RT: 7.38 min Scan# 507
 Delta R.T. -0.03 min
 Lab File: BF087819.D
 Acq: 8 Jun 2016 19:49

Instrument :
 BNA_F
 ClientSampled :
 SS-24

Tot Ion	82	Resp	178550
Ion Ratio	Lower	Upper	
82	100		
128	41.4	35.9	53.9
54	51.5	40.9	61.3

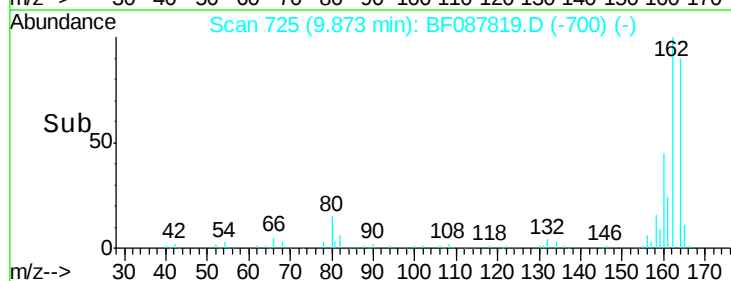
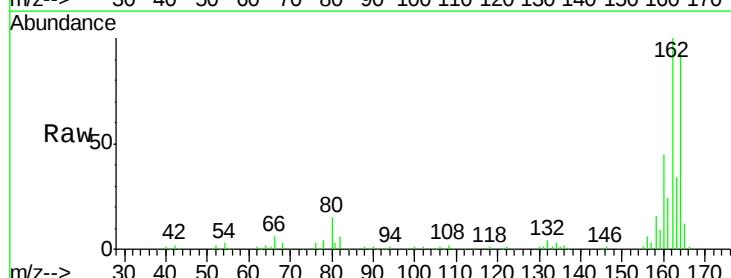
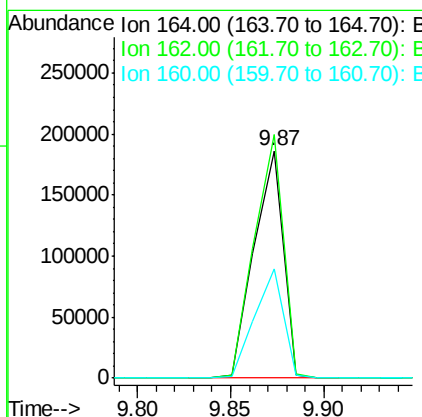
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#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.87 min Scan# 725
 Delta R.T. -0.01 min
 Lab File: BF087819.D
 Acq: 8 Jun 2016 19:49

Tgt Ion	164	Resp	201174
Ion Ratio	Lower	Upper	
164	100		
162	107.0	85.4	128.2
160	48.2	39.5	59.3





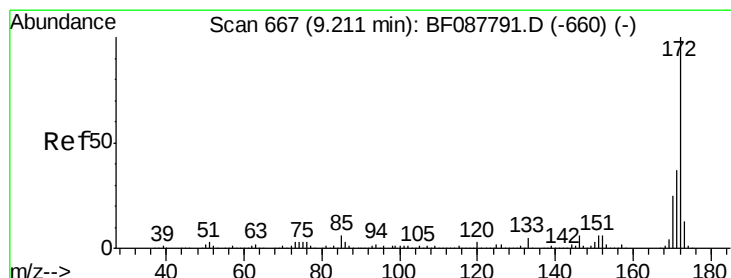
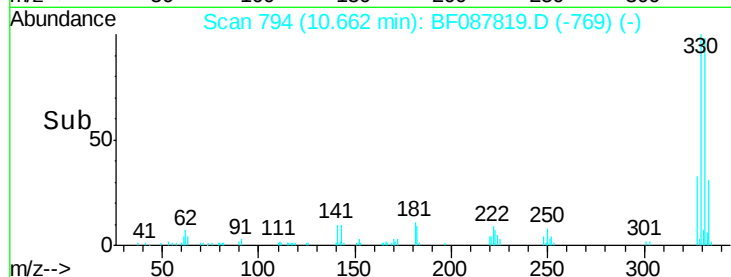
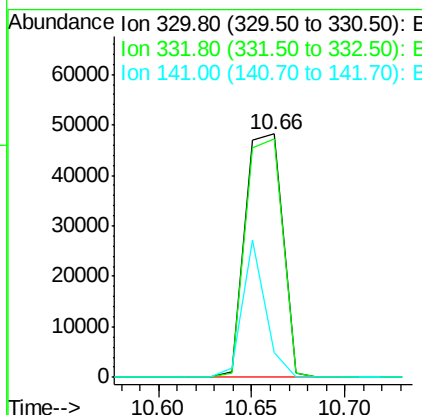
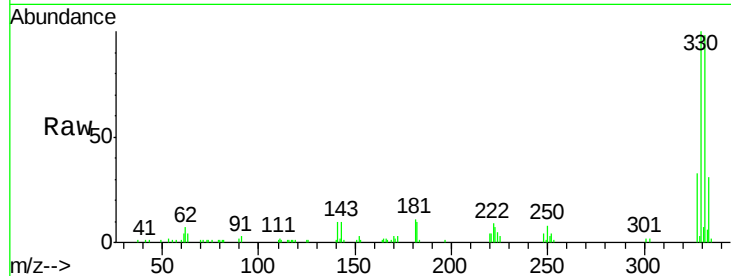
#41
 2,4,6-Tribromophenol
 Concen: 31.37 ng
 RT: 10.66 min Scan# 794
 Delta R.T. -0.01 min
 Lab File: BF087819.D
 Acq: 8 Jun 2016 19:49

Instrument :
 BNA_F
 ClientSampleId :
 SS-24

Tot Ion	Ratio	Resp	Lower	Upper
330	100	66644		
332	97.3	0.0	0.0	0.0
141	35.1	0.0	0.0	0.0

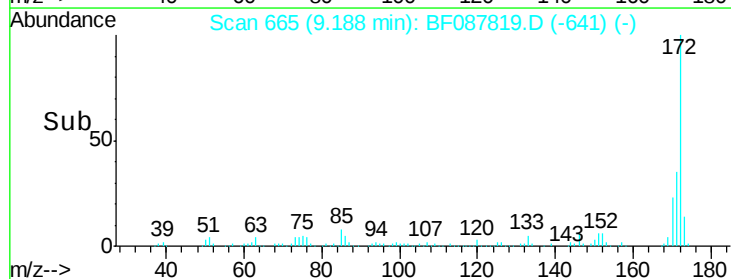
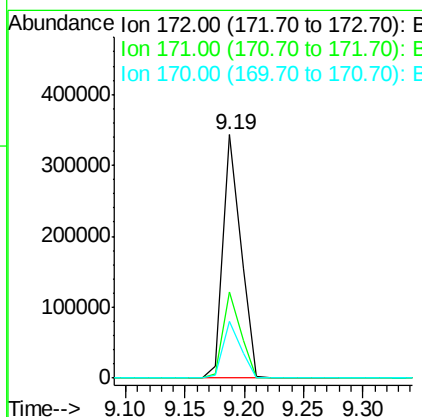
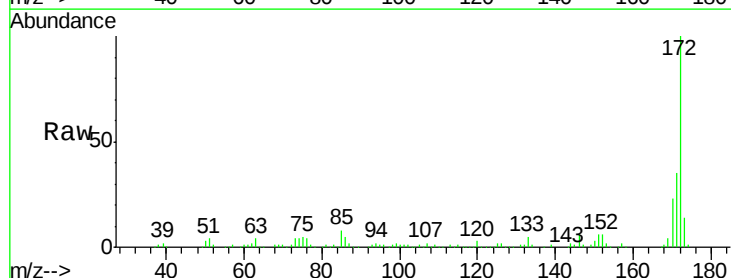
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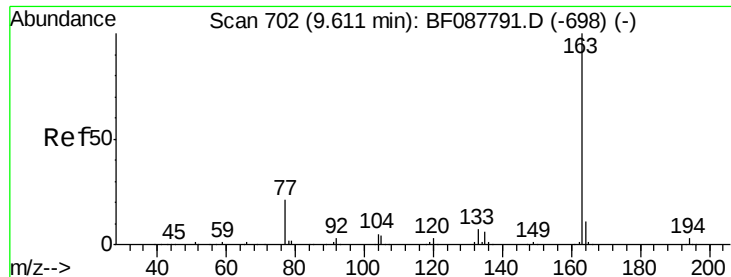
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#44
 2-Fluorobiphenyl
 Concen: 23.63 ng
 RT: 9.19 min Scan# 665
 Delta R.T. -0.02 min
 Lab File: BF087819.D
 Acq: 8 Jun 2016 19:49

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	353833		
171	35.3	28.6	43.0	
170	23.3	19.2	28.8	





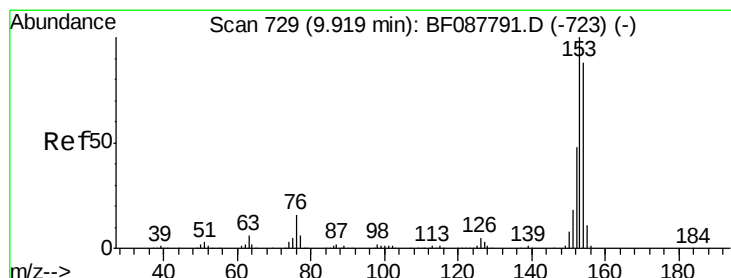
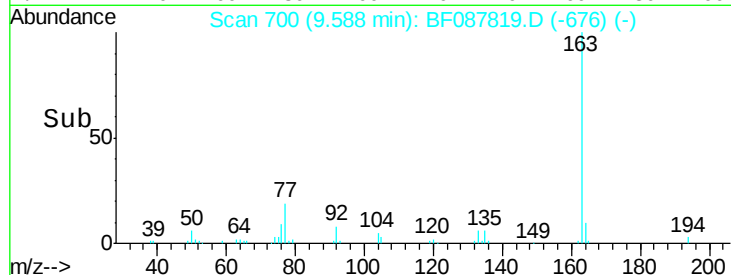
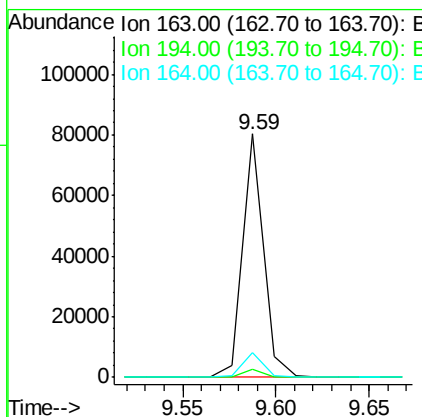
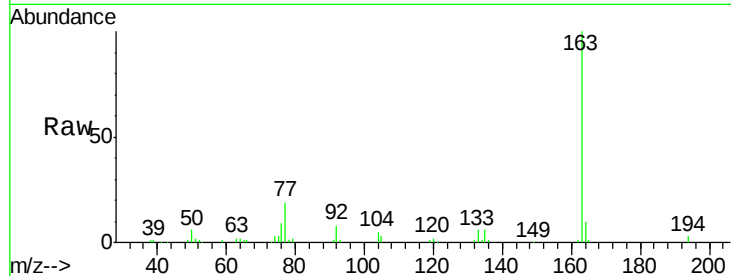
#49
Dimethylphthalate
Concen: 4.32 ng
RT: 9.59 min Scan# 700
Delta R.T. -0.02 min
Lab File: BF087819.D
Acq: 8 Jun 2016 19:49

Instrument :
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Tot Ion	Ratio	Resp	Lower	Upper
163	100	62898		
194	3.2		2.8	4.2
164	10.2		8.3	12.5

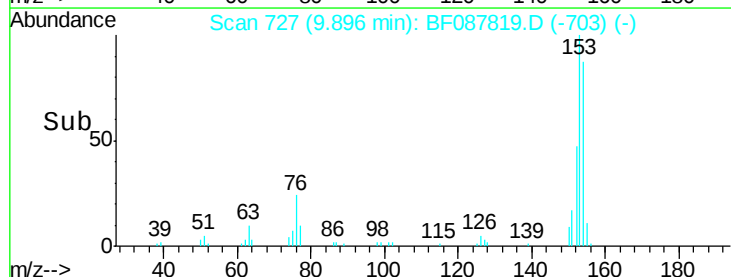
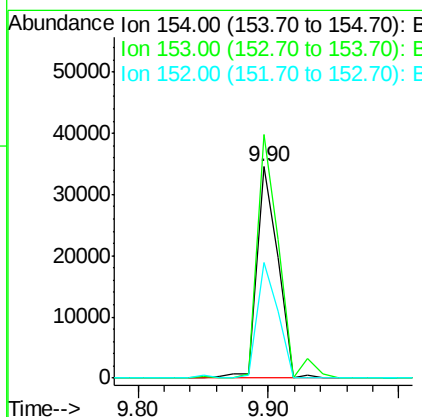
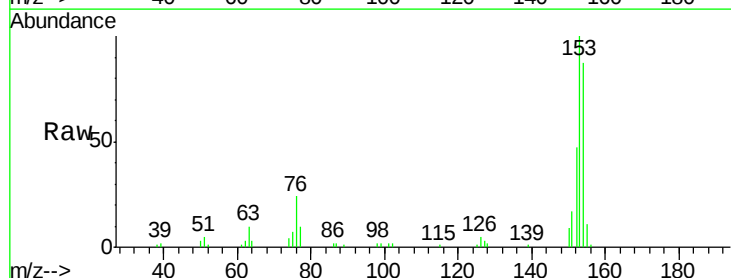
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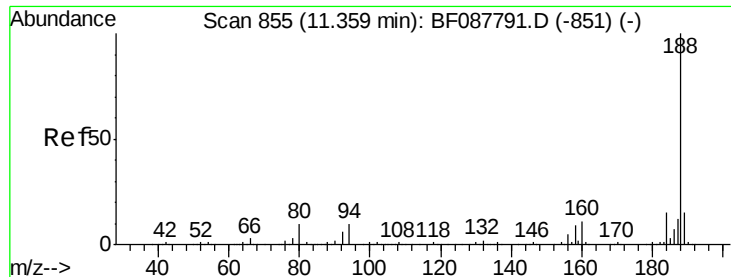
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#51
Acenaphthene
Concen: 3.00 ng
RT: 9.90 min Scan# 727
Delta R.T. -0.02 min
Lab File: BF087819.D
Acq: 8 Jun 2016 19:49

Tgt Ion	Ratio	Resp	Lower	Upper
154	100	38707		
153	115.4		89.5	134.3
152	54.8		42.7	64.1





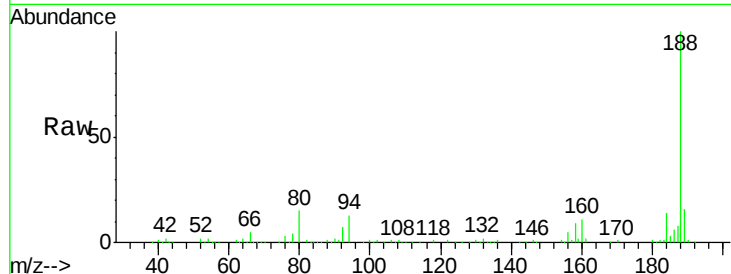
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.35 min Scan# 854
Delta R.T. -0.01 min
Lab File: BF087819.D
Acq: 8 Jun 2016 19:49

Instrument :
BNA_F
ClientSampleId :
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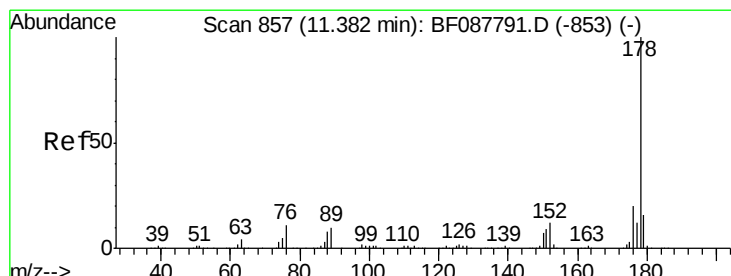
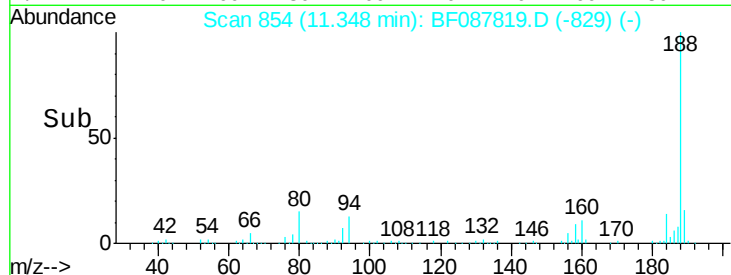
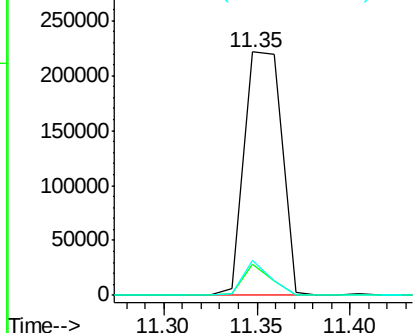
Tot Ion	Ratio	Resp	Lower	Upper
188	100	308621		
94	13.0		9.0	13.6
80	14.6		10.0	15.0

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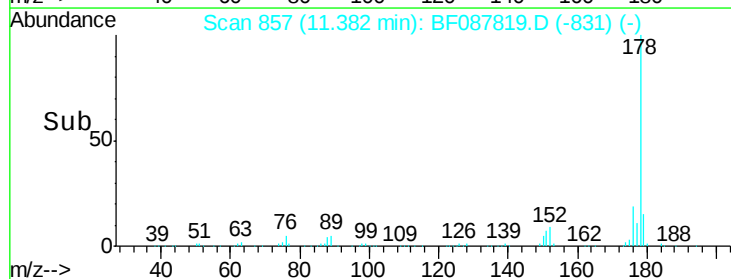
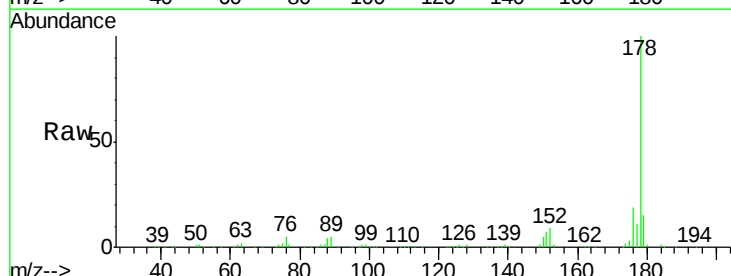
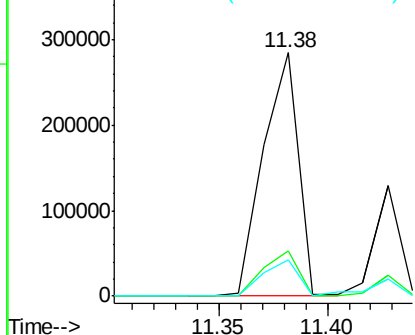
Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF0
Ion 80.00 (79.70 to 80.70): BF0

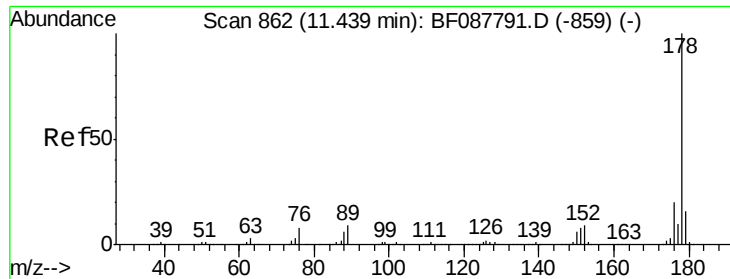


#70
Phenanthrene
Concen: 19.85 ng
RT: 11.38 min Scan# 857
Delta R.T. -0.00 min
Lab File: BF087819.D
Acq: 8 Jun 2016 19:49

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	321390		
176	18.7		15.8	23.6
179	14.7		13.0	19.4

Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E





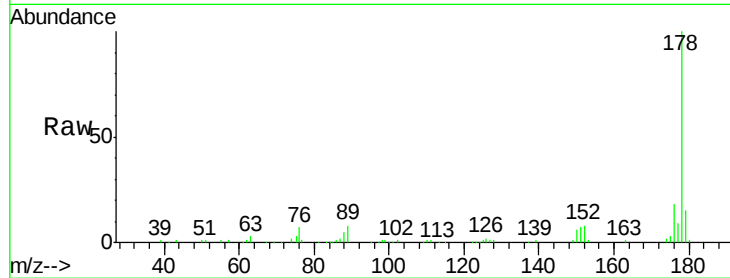
#71
 Anthracene
 Concen: 6.59 ng
 RT: 11.43 min Scan# 861
 Delta R.T. -0.01 min
 Lab File: BF087819.D
 Acq: 8 Jun 2016 19:49

Instrument :
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 ClientSampled :
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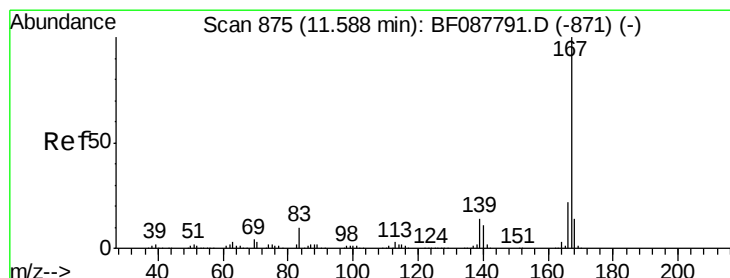
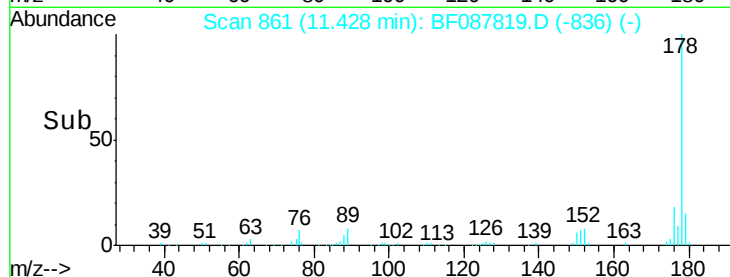
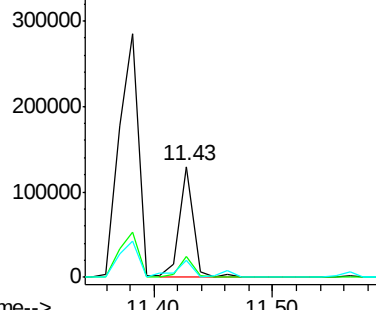
Tot Ion	Ratio	Lower	Upper
178	100		
176	18.5	15.6	23.4
179	15.2	12.8	19.2

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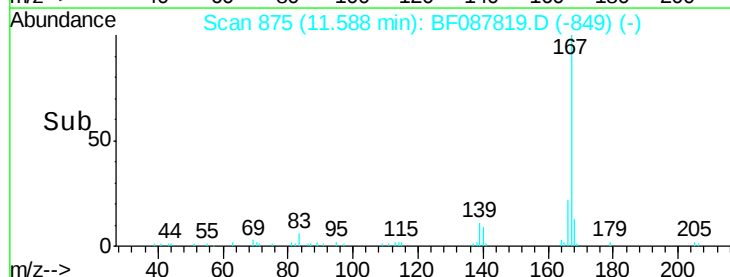
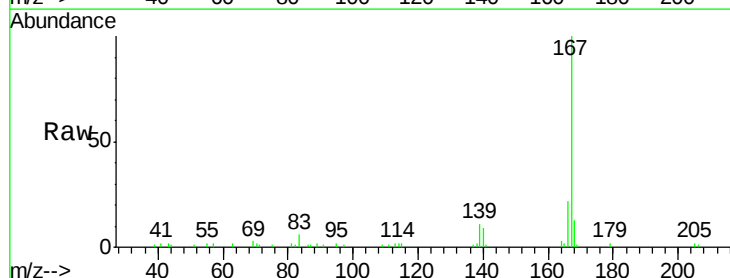
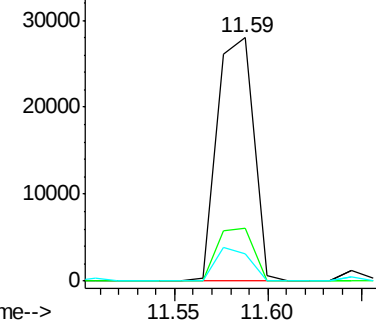
Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 176.00 (175.70 to 176.70): E
 Ion 179.00 (178.70 to 179.70): E

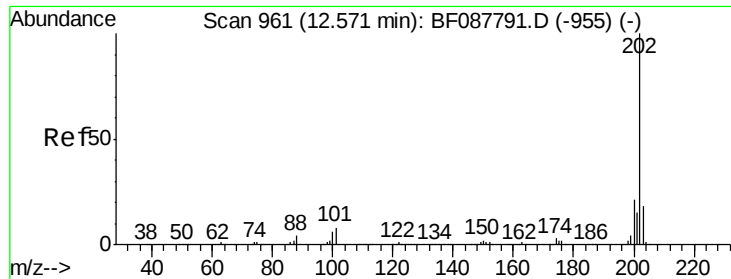


#72
 Carbazole
 Concen: 2.47 ng
 RT: 11.59 min Scan# 875
 Delta R.T. -0.00 min
 Lab File: BF087819.D
 Acq: 8 Jun 2016 19:49

Tgt Ion	Ratio	Lower	Upper
167	100		
166	21.7	17.8	26.6
139	11.0	11.2	16.8#

Abundance Ion 167.00 (166.70 to 167.70): E
 Ion 166.00 (165.70 to 166.70): E
 Ion 139.00 (138.70 to 139.70): E





#74

Fluoranthene

Concen: 18.68 ng

RT: 12.56 min Scan# 960

Delta R.T. -0.01 min

Lab File: BF087819.D

Acq: 8 Jun 2016 19:49

Instrument :

BNA_F

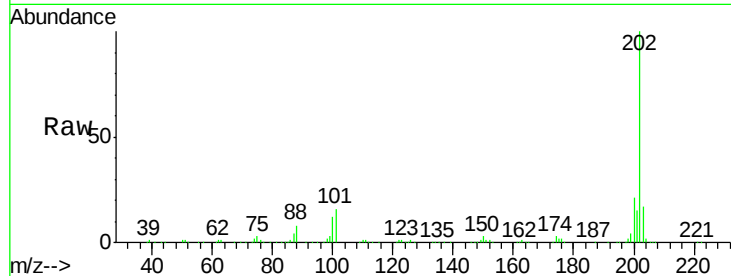
ClientSampled :

SS-24

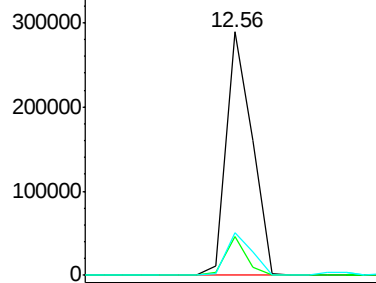
Tot Ion	Ion	Ratio	Resp	Lower	Upper
202	100		319260		
101	15.7	0.0	33.1		
203	17.4	0.0	38.1		

Manual Integrations
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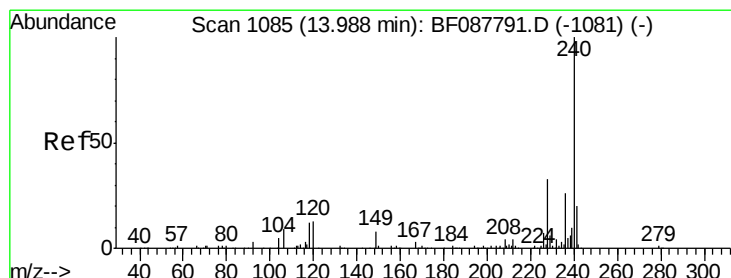
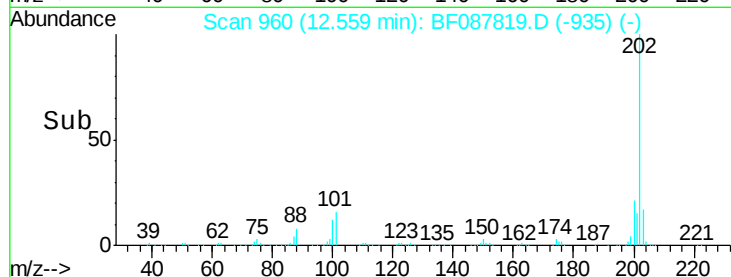
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Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 203.00 (202.70 to 203.70): E



Time-->



#75

Chrysene-d12

Concen: 20.00 ng

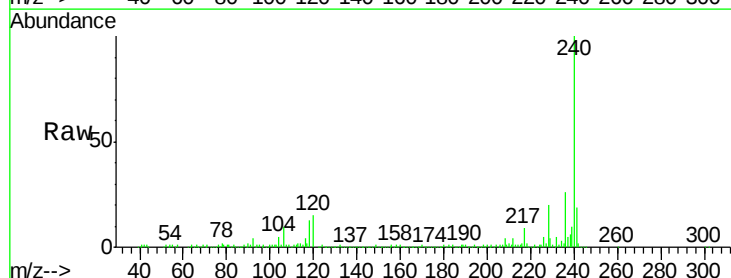
RT: 13.99 min Scan# 1085

Delta R.T. -0.00 min

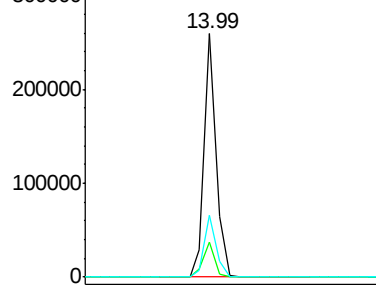
Lab File: BF087819.D

Acq: 8 Jun 2016 19:49

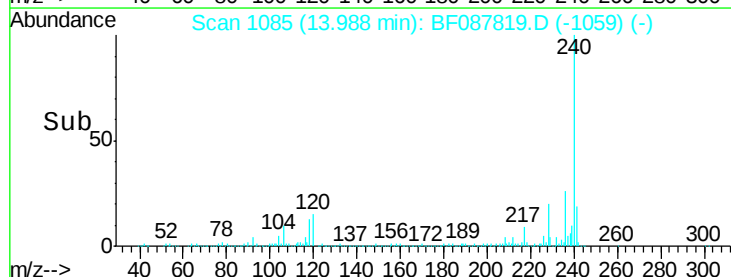
Tgt Ion	Ion	Ratio	Resp	Lower	Upper
240	100		246237		
120	14.6	6.8	10.2#		
236	25.7	20.2	30.2		

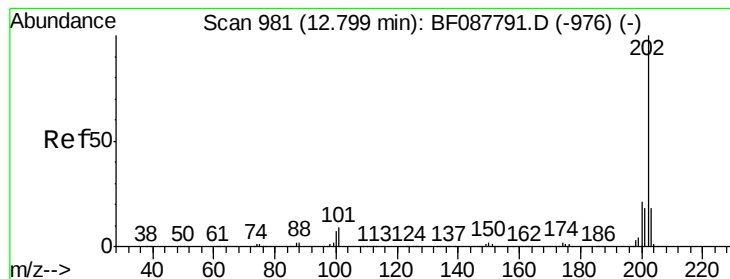


Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E



Time-->





#77

Pvrene

Concen: 14.38 ng

RT: 12.79 min Scan# 980

Delta R.T. -0.01 min

Lab File: BF087819.D

Acq: 8 Jun 2016 19:49

Instrument :

BNA_F

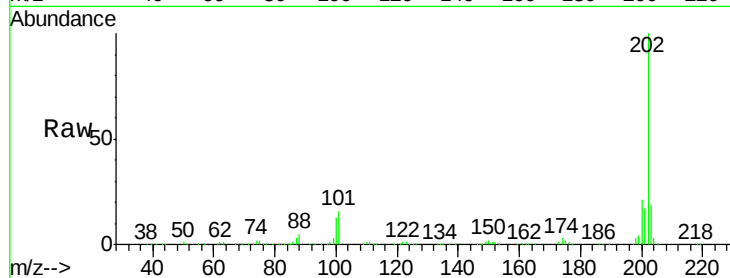
ClientSampled :

SS-24

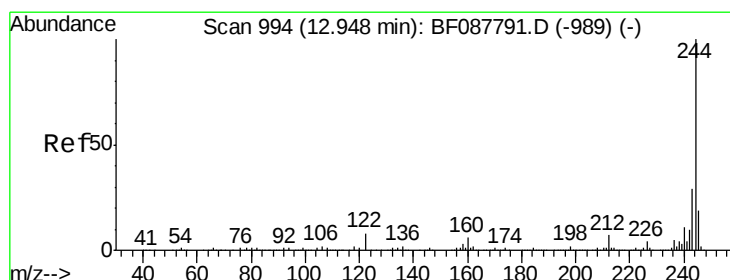
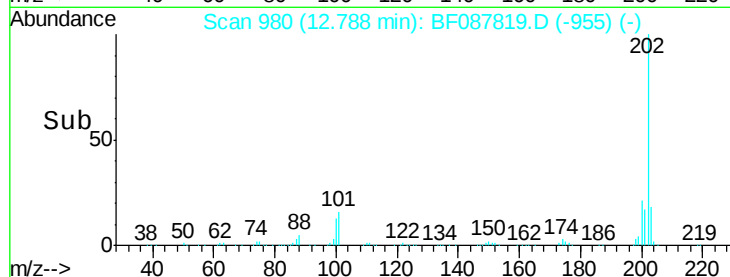
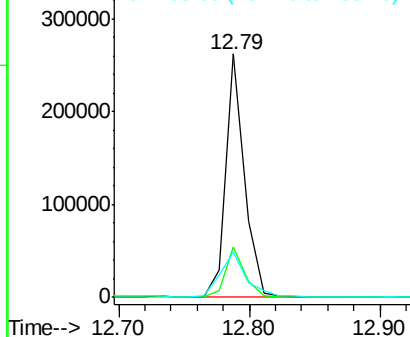
Tot Ion:	202	Resp:	262708
Ion Ratio		Lower	Upper
202	100		
200	20.9	17.4	26.2
203	18.7	14.5	21.7

Manual Integrations
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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: 21.22 ng

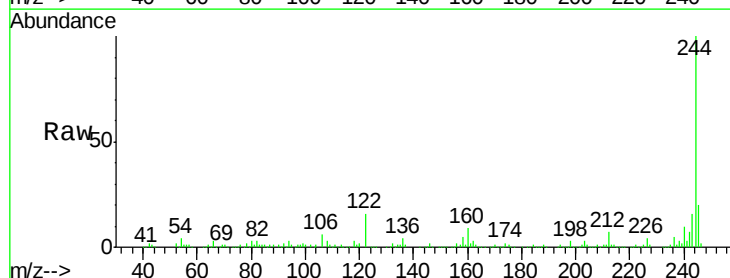
RT: 12.94 min Scan# 993

Delta R.T. -0.01 min

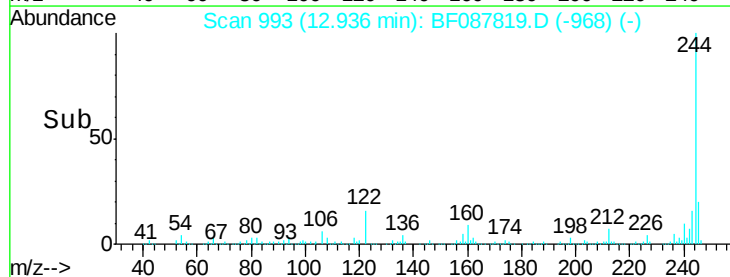
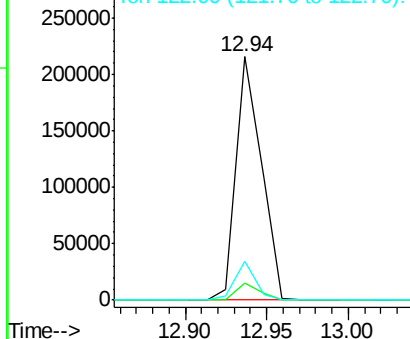
Lab File: BF087819.D

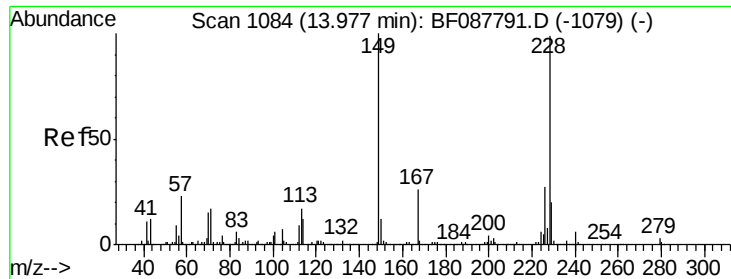
Acq: 8 Jun 2016 19:49

Tgt Ion:	244	Resp:	229597
Ion Ratio		Lower	Upper
244	100		
212	6.9	6.0	9.0
122	16.0	11.2	16.8



Abundance Ion 244.00 (243.70 to 244.70): E
Ion 212.00 (211.70 to 212.70): E
Ion 122.00 (121.70 to 122.70): E





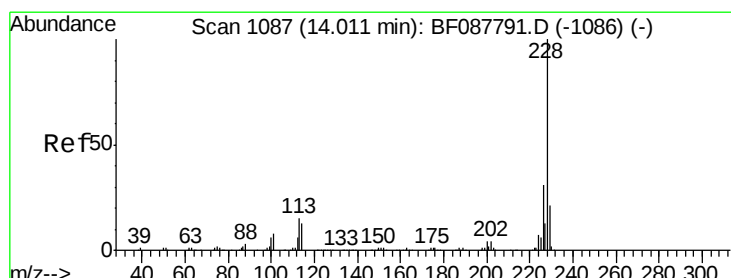
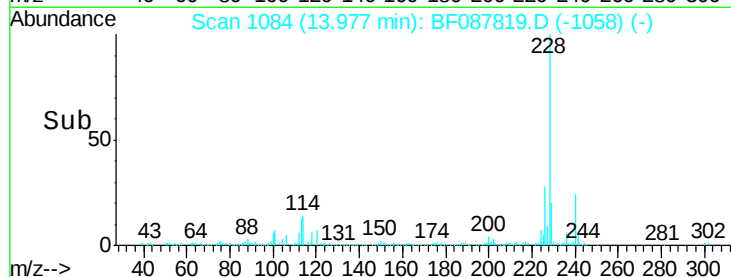
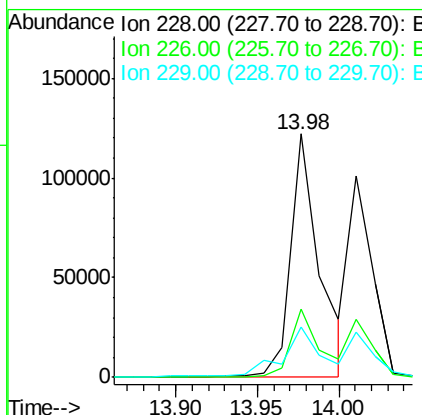
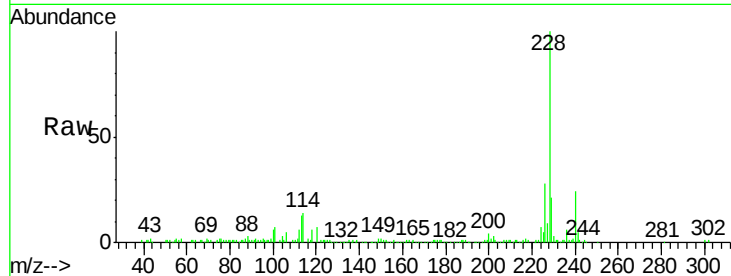
#80
Benzo(a)anthracene
Concen: 10.80 ng
RT: 13.98 min Scan# 1084
Delta R.T. -0.00 min
Lab File: BF087819.D
Acq: 8 Jun 2016 19:49

Instrument :
BNA_F
ClientSampleId :
SS-24

Tot Ion:	228	Resp:	151571
Ion Ratio	Lower	Upper	
228	100		
226	27.9	22.3	33.5
229	20.7	16.0	24.0

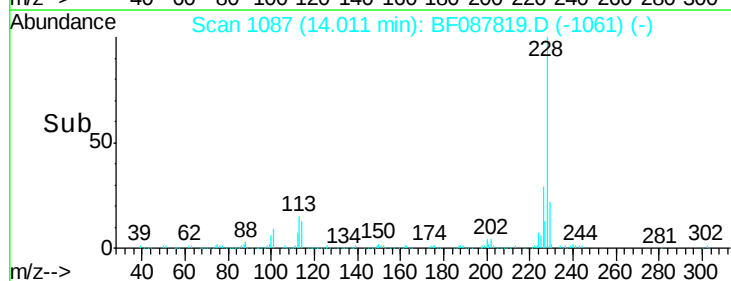
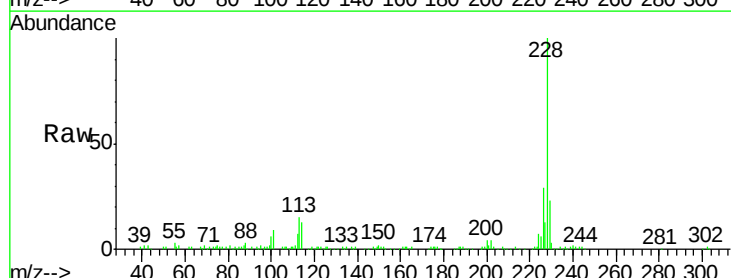
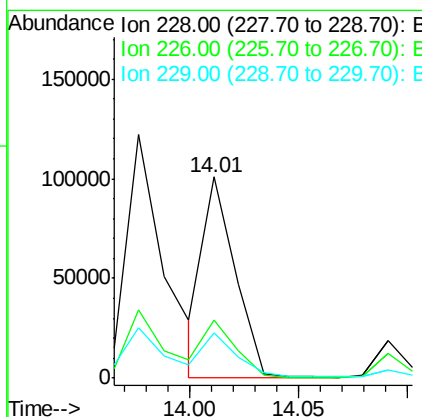
Manual Integrations
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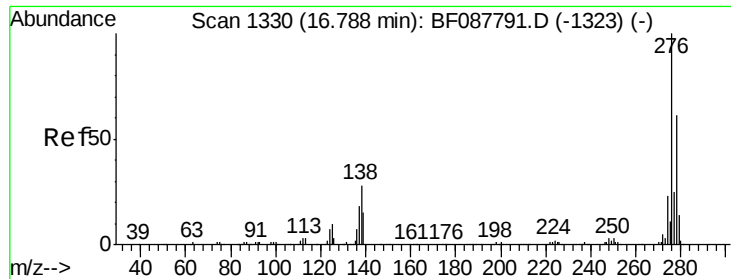
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#82
Chrysene
Concen: 7.85 ng
RT: 14.01 min Scan# 1087
Delta R.T. -0.00 min
Lab File: BF087819.D
Acq: 8 Jun 2016 19:49

Tgt Ion:	228	Resp:	103642
Ion Ratio	Lower	Upper	
228	100		
226	29.0	25.4	38.2
229	22.8	16.3	24.5





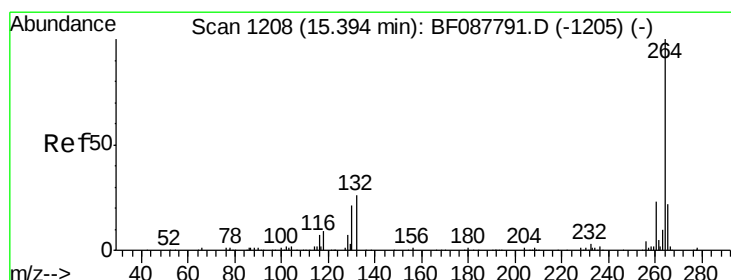
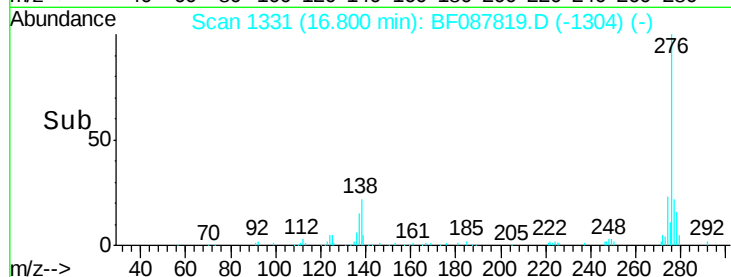
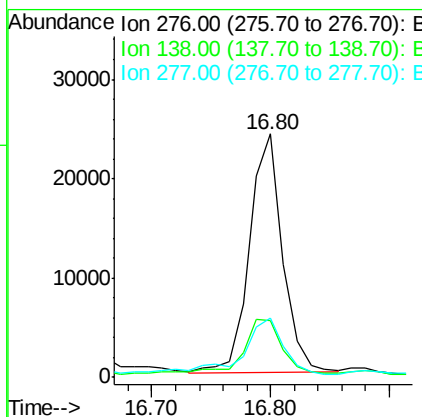
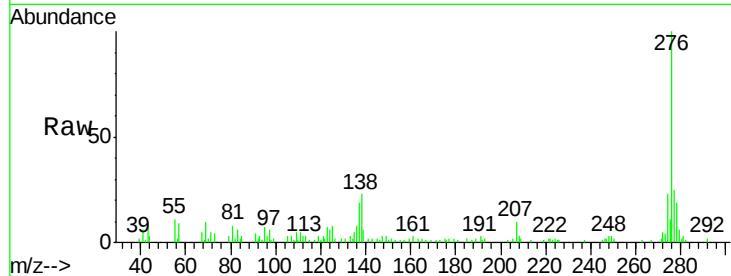
#85
Indeno(1,2,3-cd)pyrene
Concen: 3.83 ng
RT: 16.80 min Scan# 1331
Delta R.T. 0.01 min
Lab File: BF087819.D
Acq: 8 Jun 2016 19:49

Instrument :
BNA_F
ClientSampleId :
SS-24

Tot Ion	Ratio	Resp	Lower	Upper
276	100	47032		
138	29.5	0.0	0.0	0.0
277	31.5	0.0	0.0	0.0

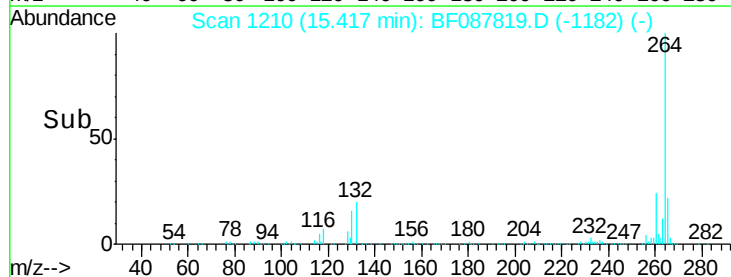
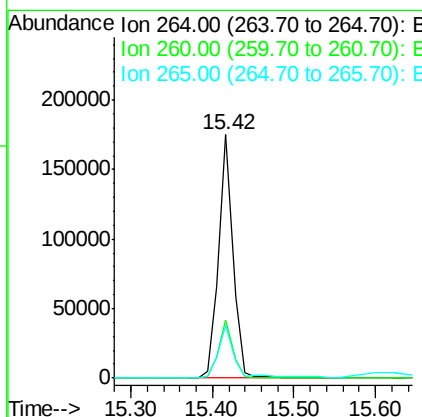
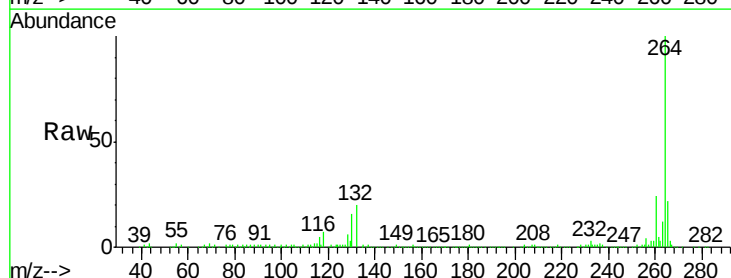
Manual Integrations
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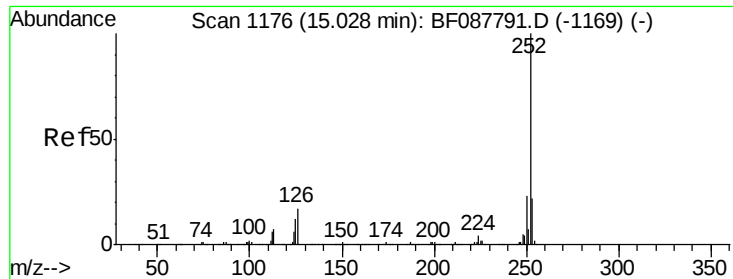
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#86
Perylene-d12
Concen: 20.00 ng
RT: 15.42 min Scan# 1210
Delta R.T. 0.02 min
Lab File: BF087819.D
Acq: 8 Jun 2016 19:49

Tgt Ion	Ratio	Resp	Lower	Upper
264	100	215572		
260	23.7	19.2	28.8	
265	21.9	16.9	25.3	





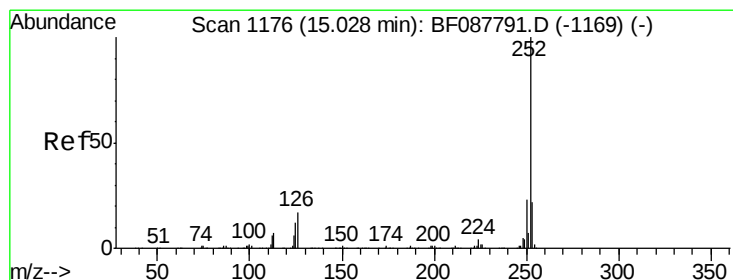
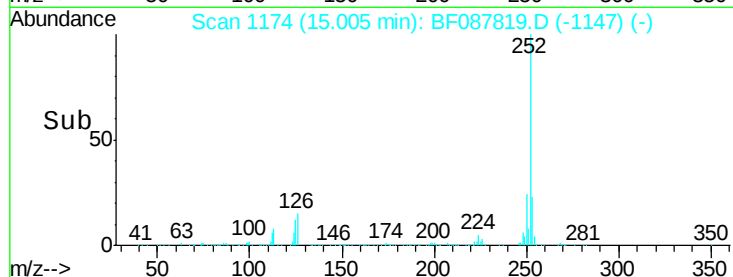
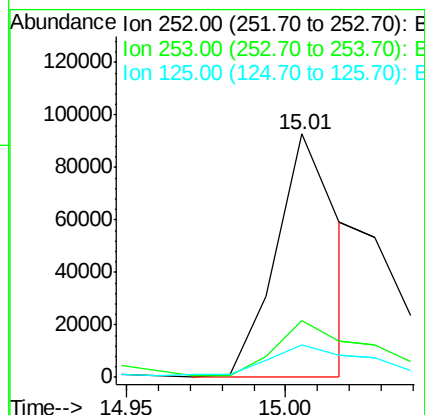
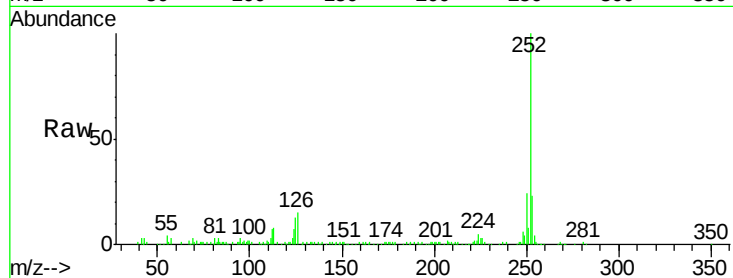
#87
Benzo(b)fluoranthene
Concen: 8.40 ng m
RT: 15.01 min Scan# 1174
Delta R.T. 0.01 min
Lab File: BF087819.D
Acq: 8 Jun 2016 19:49

Instrument :
BNA_F
ClientSampleId :
SS-24

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.3	17.4	26.2
125	13.5	7.1	10.7

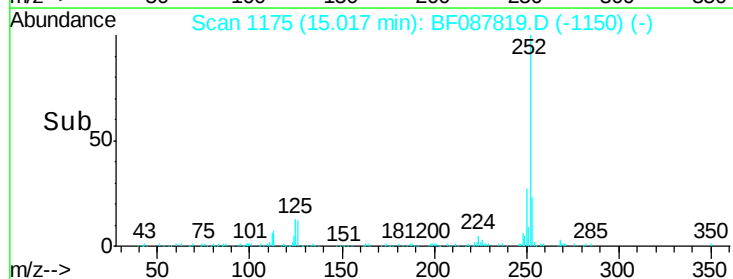
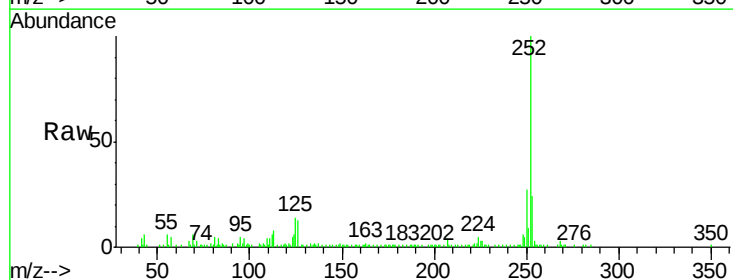
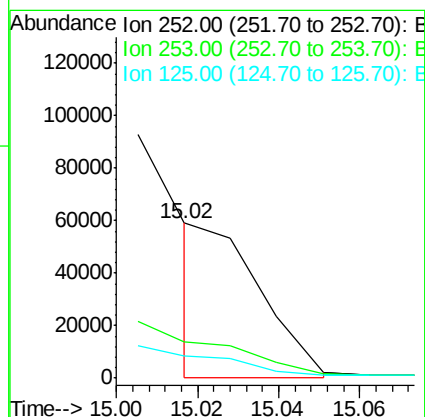
Manual Integrations
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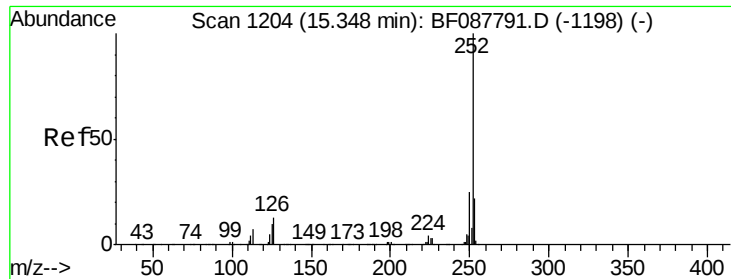
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#88
Benzo(k)fluoranthene
Concen: 4.79 ng m
RT: 15.02 min Scan# 1175
Delta R.T. -0.01 min
Lab File: BF087819.D
Acq: 8 Jun 2016 19:49

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.8	18.0	27.0
125	14.4	11.2	16.8





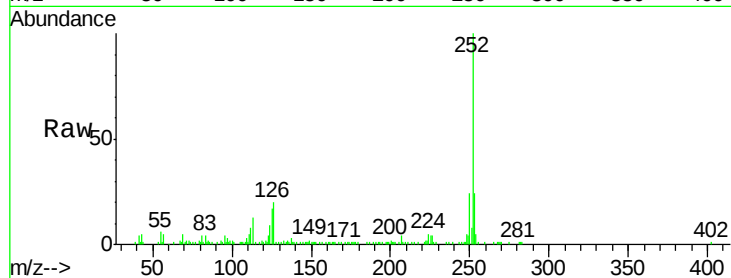
#89
Benzo(a)pyrene
Concen: 7.74 ng
RT: 15.35 min Scan# 1204
Delta R.T. -0.00 min
Lab File: BF087819.D
Acq: 8 Jun 2016 19:49

Instrument :
BNA_F
ClientSampleId :
SS-24

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.9	17.9	26.9
125	16.7	12.5	18.7

Manual Integrations
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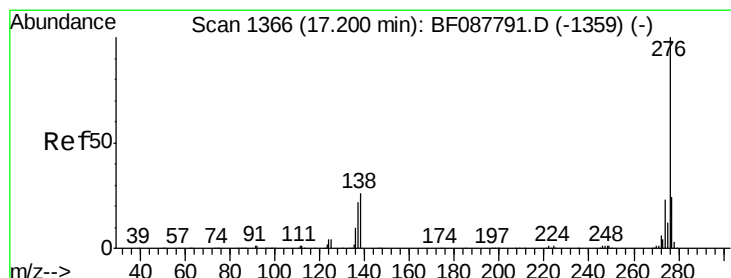
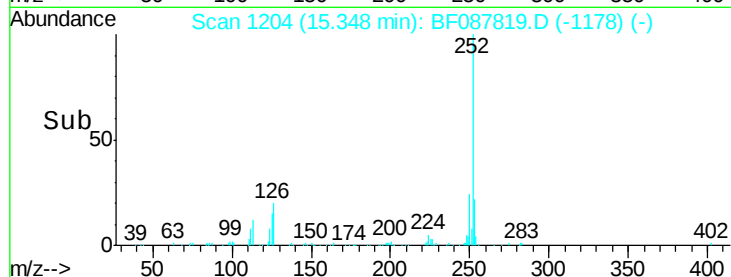
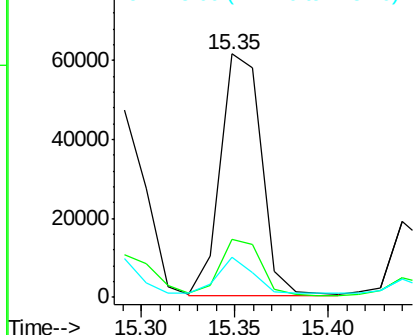


Abundance

Ion 252.00 (251.70 to 252.70): E

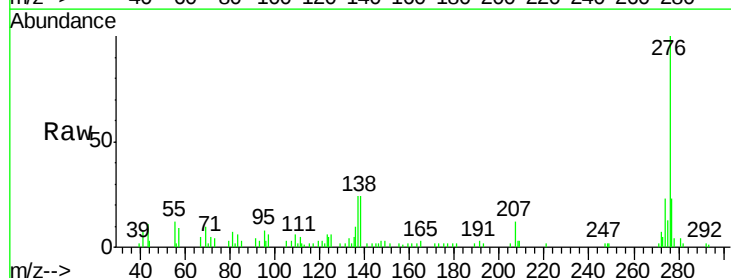
Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#91
Benzo(g,h,i)perylene
Concen: 3.86 ng
RT: 17.21 min Scan# 1367
Delta R.T. 0.01 min
Lab File: BF087819.D
Acq: 8 Jun 2016 19:49

Tgt Ion	Ratio	Lower	Upper
276	100		
277	23.0	18.9	28.3
138	24.2	21.4	32.2



Abundance

Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

