

Data Path : Z:\HPCHEM1\BNA F\DATA\BF032417\
 Data File : BF093907.D
 Acq On : 24 Mar 2017 14:40
 Operator : SJ/MA
 Sample : I2367-11
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 E2-P14-NSW

Manual Integrations
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Quant Time: Mar 25 00:22:09 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF032217.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Mar 23 02:02:22 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	5.97	152	184008	20.00	ng	-0.02
21) Naphthalene-d8	7.47	136	728049	20.00	ng	-0.02
38) Acenaphthene-d10	9.62	164	306028	20.00	ng	-0.02
63) Phenanthrene-d10	11.44	188	474627	20.00	ng	-0.02
75) Chrysene-d12	14.70	240	329004	20.00	ng	-0.02
86) Perylene-d12	16.34	264	273716	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	4.50	112	492659	45.22	ng	0.00
7) Phenol-d6	5.56	99	719109	53.36	ng	0.00
23) Nitrobenzene-d5	6.61	82	490170	38.42	ng	-0.03
41) 2,4,6-Tribromophenol	10.59	330	181640	75.11	ng	-0.02
44) 2-Fluorobiphenyl	8.80	172	1091779	54.42	ng	-0.02
78) Terphenyl-d14	13.42	244	935730	63.75	ng	-0.02
Target Compounds						Qvalue
49) Dimethylphthalate	9.29	163	97122	4.46	ng	99
51) Acenaphthene	9.65	154	76120	4.06	ng	95
57) Fluorene	10.29	166	53449	2.53	ng	98
70) Phenanthrene	11.47	178	850729	32.22	ng	99
71) Anthracene	11.53	178	210171	7.73	ng	98
72) Carbazole	11.73	167	126415	4.53	ng	96
74) Fluoranthene	12.94	202	1428743	52.85	ng	98
77) Pyrene	13.22	202	1243173	52.07	ng	97
80) Benzo(a)anthracene	14.69	228	604065	31.49	ng	99
82) Chrysene	14.73	228	598561	33.62	ng	97
85) Indeno(1,2,3-cd)pyrene	17.72	276	252380	16.37	ng	94
87) Benzo(b)fluoranthene	15.93	252	693902m	41.36	ng	
88) Benzo(k)fluoranthene	15.95	252	268275m	16.34	ng	
89) Benzo(a)pyrene	16.27	252	449558	29.10	ng	96
90) Dibenzo(a,h)anthracene	17.74	278	66592	5.09	ng	95
91) Benzo(g,h,i)perylene	18.13	276	234155	17.76	ng	98

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

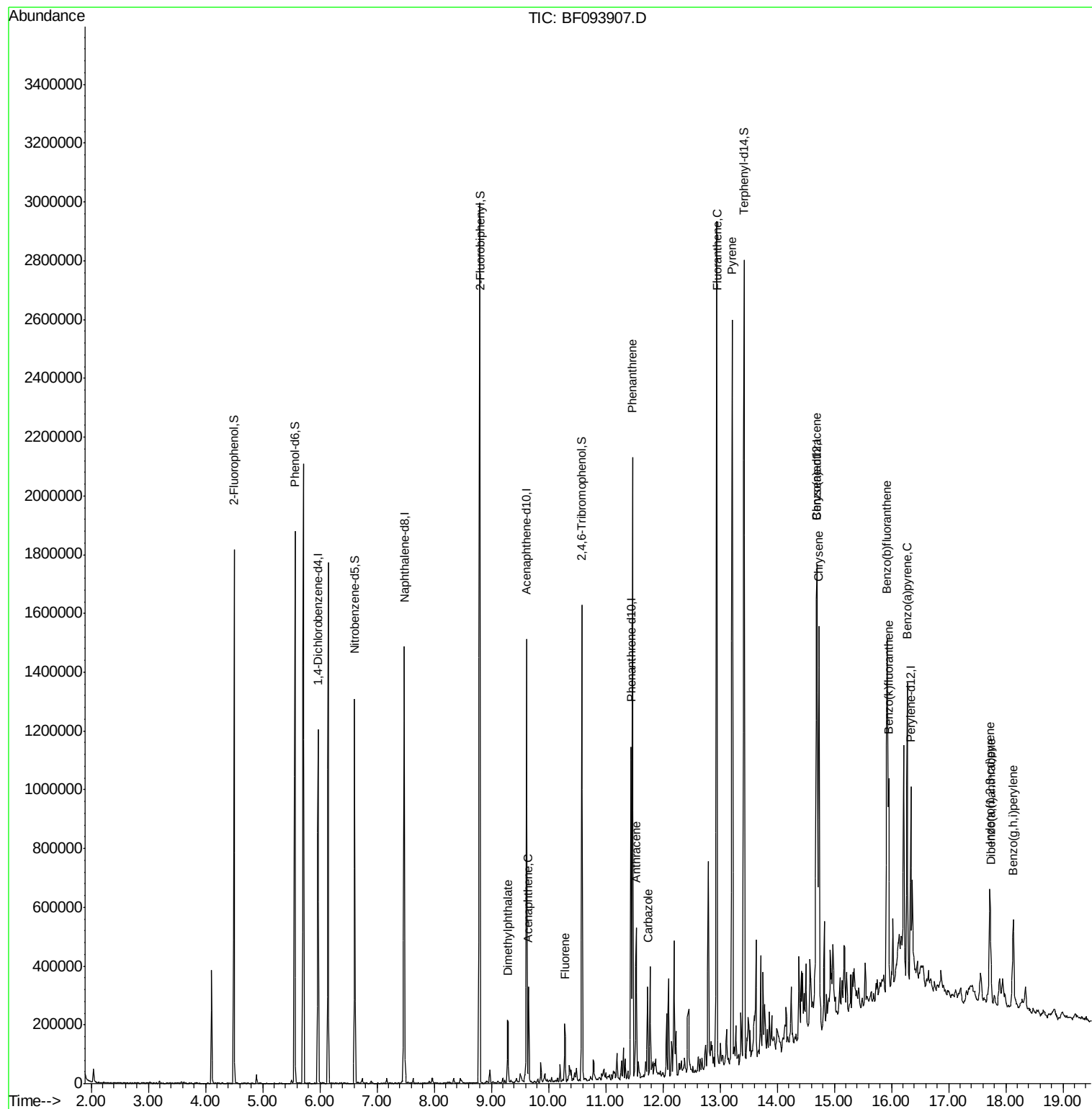
Data Path : Z:\HPCHEM1\BNA F\DATA\BF032417\
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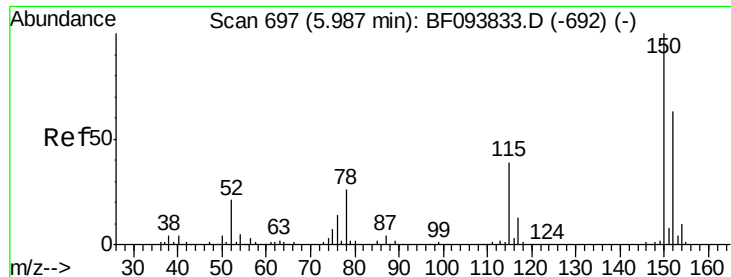
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#1

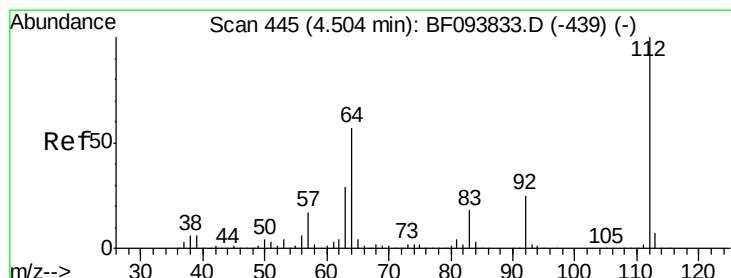
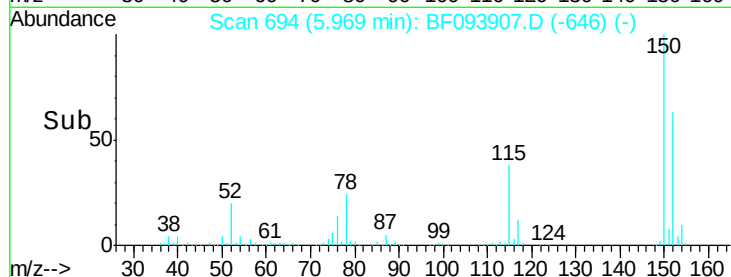
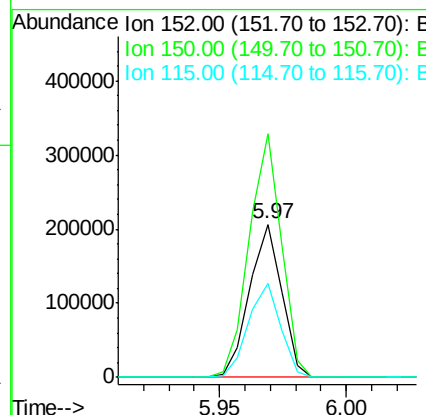
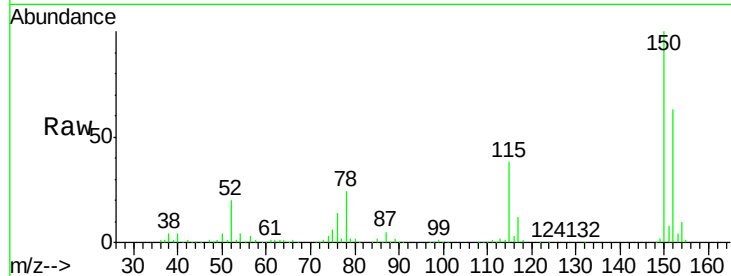
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 5.97 min Scan# 694
Delta R.T. -0.02 min
Lab File: BF093907.D
Acq: 24 Mar 2017 14:40

Instrument :
BNA_F
ClientSampleId :
E2-P14-NSW

Tot Ion	Ratio	Lower	Upper
152	100		
150	158.8	126.2	189.2
115	61.0	52.2	78.2

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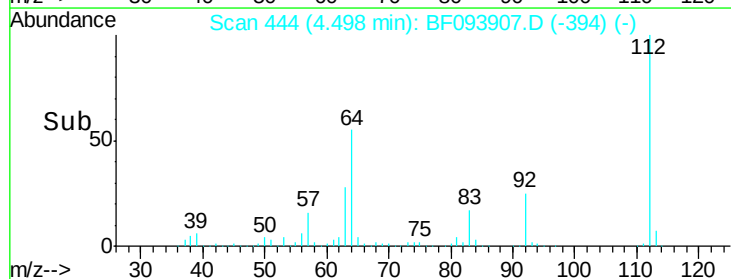
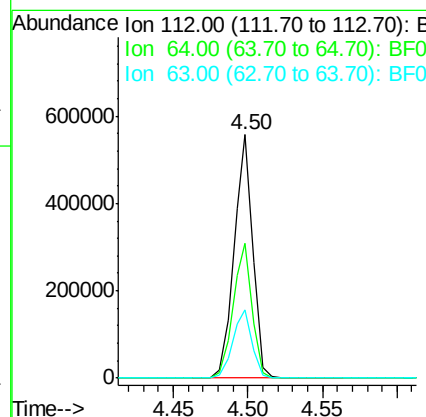
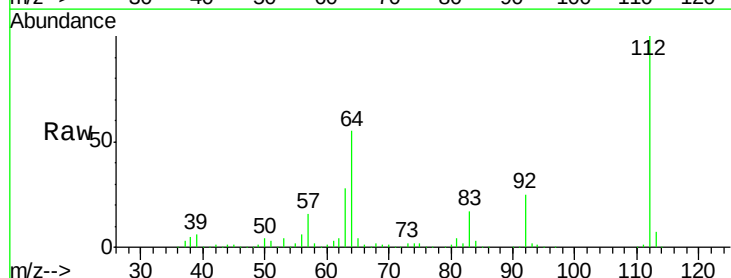
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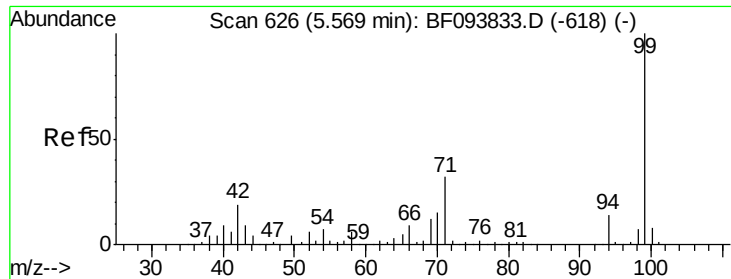


#5

2-Fluorophenol
Concen: 45.22 ng
RT: 4.50 min Scan# 444
Delta R.T. -0.01 min
Lab File: BF093907.D
Acq: 24 Mar 2017 14:40

Tgt Ion	Ratio	Lower	Upper
112	100		
64	55.4	46.0	69.0
63	27.9	23.4	35.0





#7

Phenol-d6

Concen: 53.36 ng

RT: 5.56 min Scan# 625

Delta R.T. -0.01 min

Lab File: BF093907.D

Acq: 24 Mar 2017 14:40

Instrument :

BNA_F

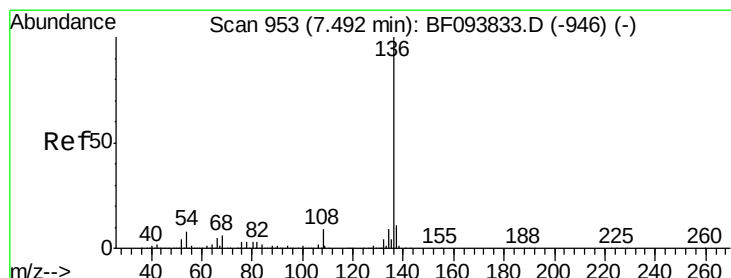
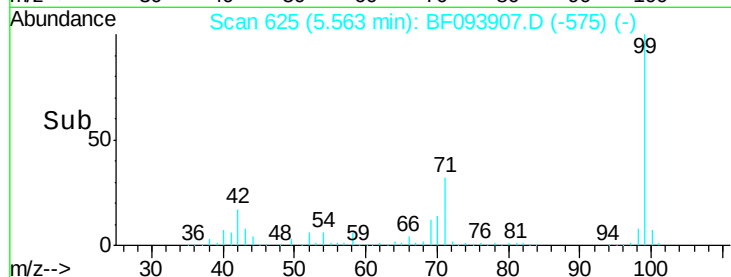
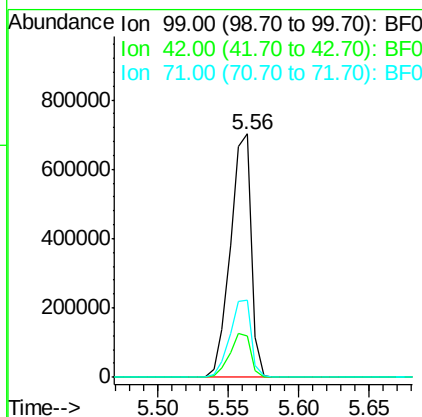
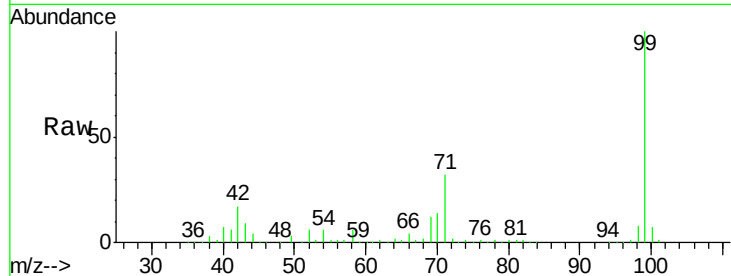
ClientSampleId :

E2-P14-NSW

Tot Ion:	99	Resp:	719109
Ion	Ratio	Lower	Upper
99	100		
42	17.2	13.5	20.3
71	31.6	24.5	36.7

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#21

Naphthalene-d8

Concen: 20.00 ng

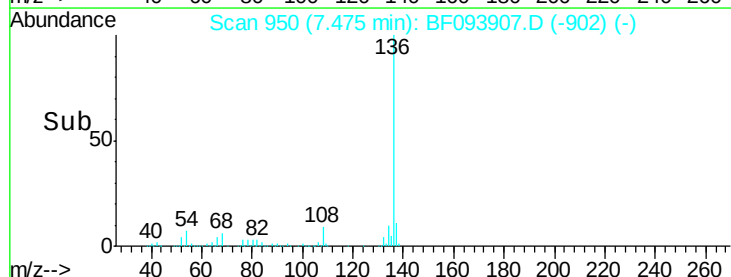
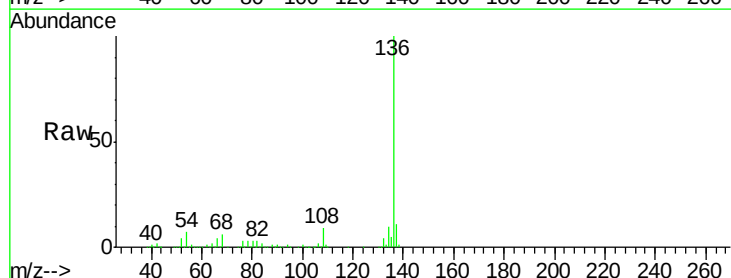
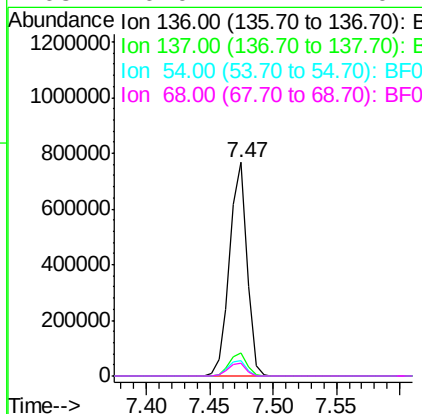
RT: 7.47 min Scan# 950

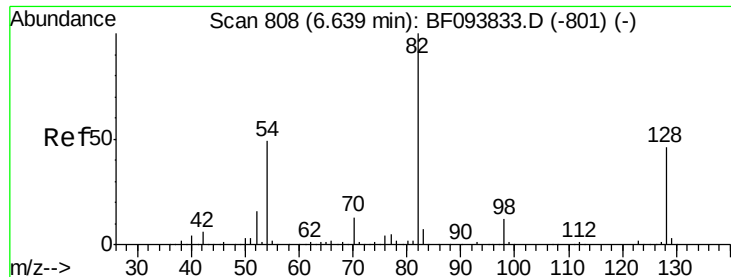
Delta R.T. -0.02 min

Lab File: BF093907.D

Acq: 24 Mar 2017 14:40

Tgt Ion:	136	Resp:	728049
Ion	Ratio	Lower	Upper
136	100		
137	10.7	8.5	12.7
54	7.3	4.9	7.3
68	6.0	4.1	6.1





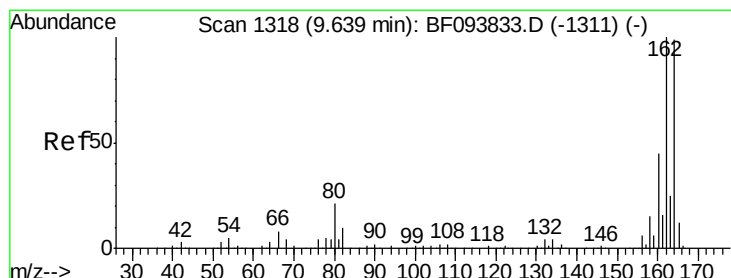
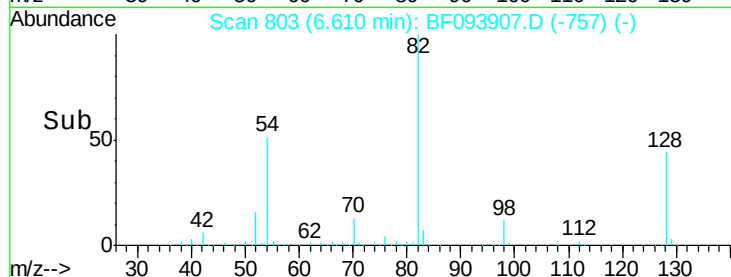
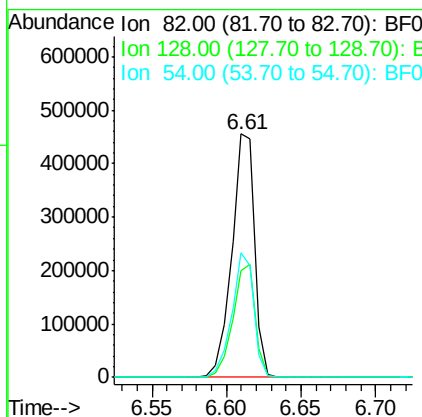
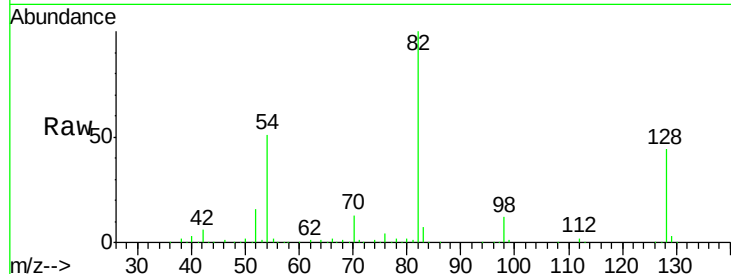
#23
 Nitrobenzene-d5
 Concen: 38.42 ng
 RT: 6.61 min Scan# 803
 Delta R.T. -0.03 min
 Lab File: BF093907.D
 Acq: 24 Mar 2017 14:40

Instrument :
 BNA_F
 ClientSampleId :
 E2-P14-NSW

Tot Ion	Ratio	Lower	Upper
82	100		
128	44.0	34.0	51.0
54	51.2	42.2	63.2

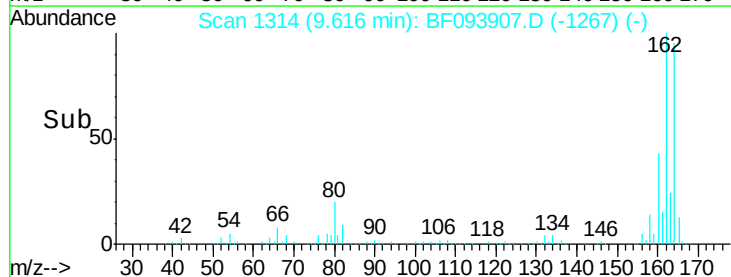
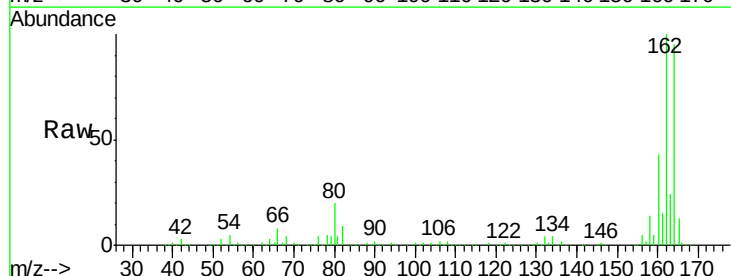
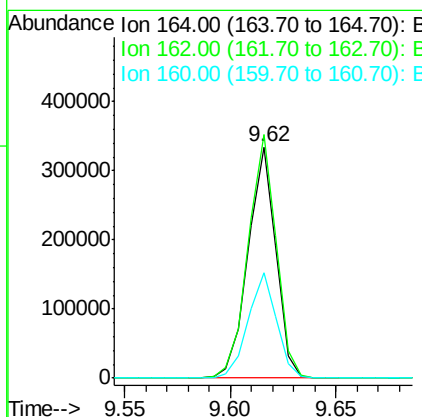
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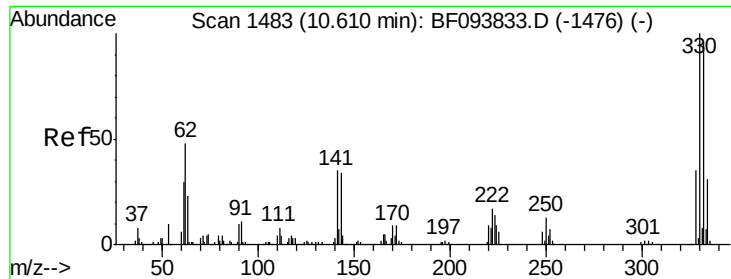
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#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.62 min Scan# 1314
 Delta R.T. -0.02 min
 Lab File: BF093907.D
 Acq: 24 Mar 2017 14:40

Tgt Ion	Ratio	Lower	Upper
164	100		
162	105.4	82.6	123.8
160	45.6	36.2	54.2





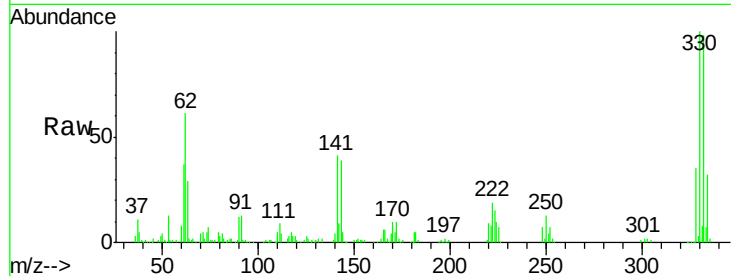
#41
 2,4,6-Tribromophenol
 Concen: 75.11 ng
 RT: 10.59 min Scan# 1479
 Delta R.T. -0.02 min
 Lab File: BF093907.D
 Acq: 24 Mar 2017 14:40

Instrument :
 BNA_F
 ClientSampleId :
 E2-P14-NSW

Tot Ion	Ratio	Lower	Upper
330	100		
332	96.2	76.6	115.0
141	41.1	31.4	47.2

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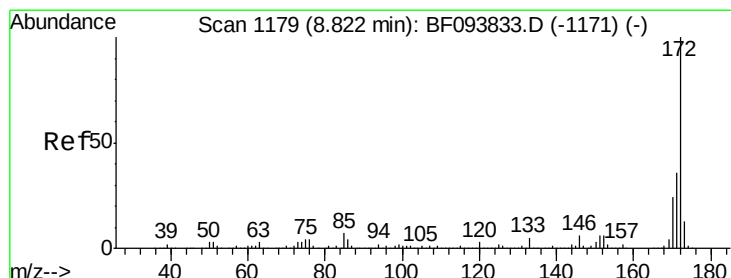
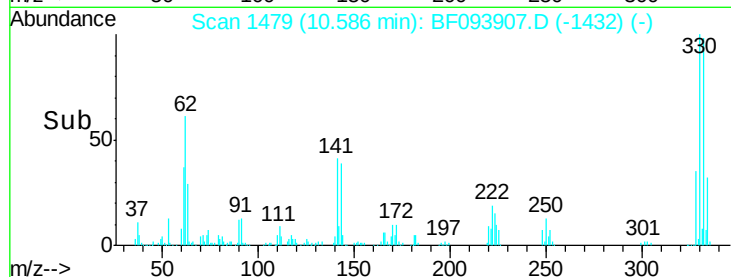
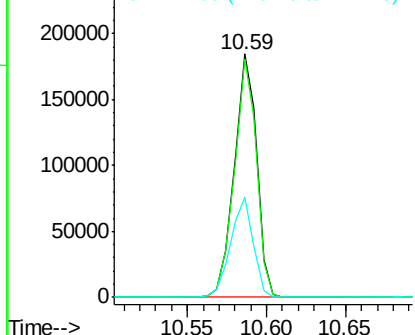


Abundance

Ion 329.80 (329.50 to 330.50): E

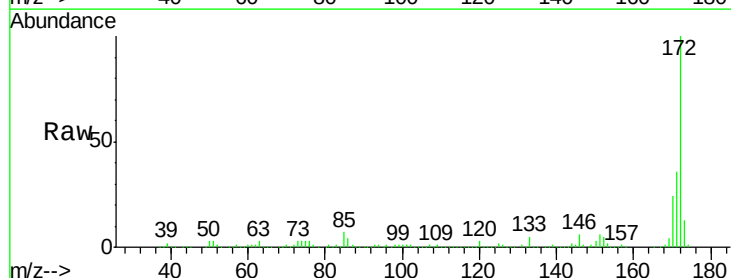
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#44
 2-Fluorobiphenyl
 Concen: 54.42 ng
 RT: 8.80 min Scan# 1175
 Delta R.T. -0.02 min
 Lab File: BF093907.D
 Acq: 24 Mar 2017 14:40

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.9	29.6	44.4
170	23.7	19.8	29.8

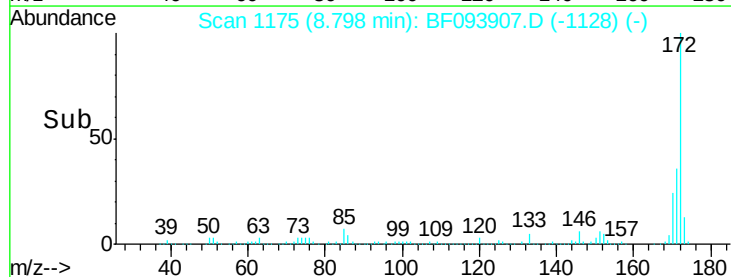
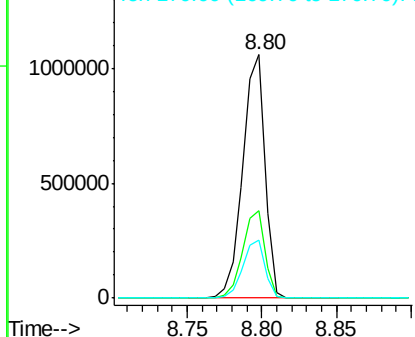


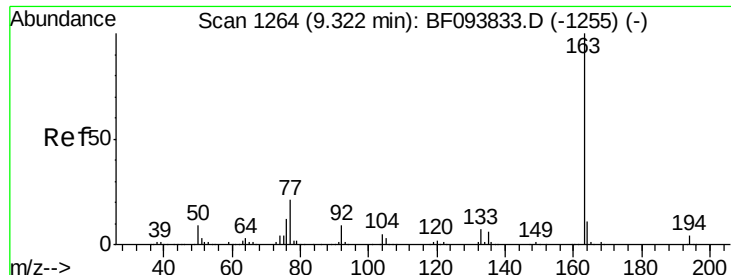
Abundance

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





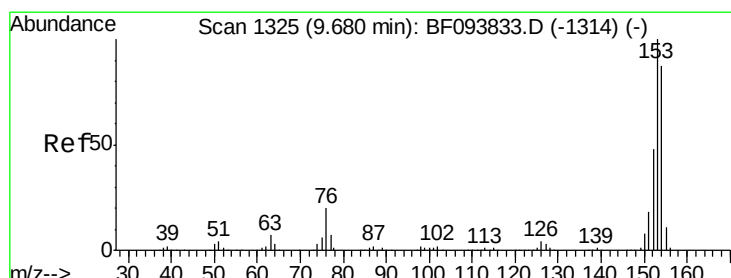
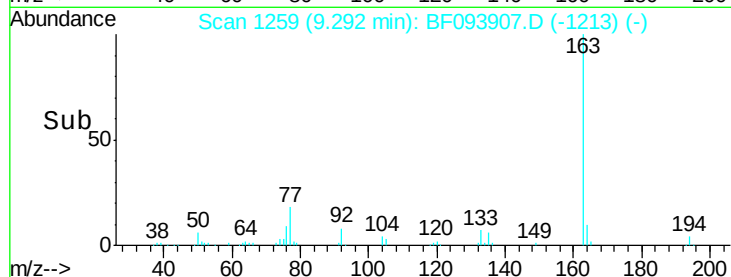
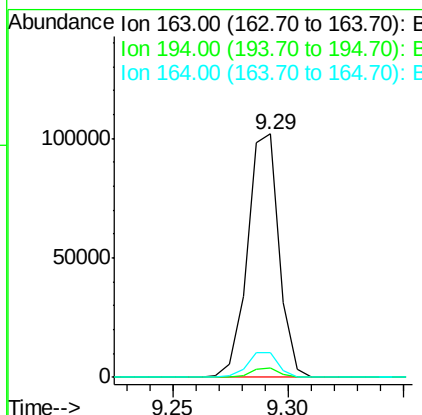
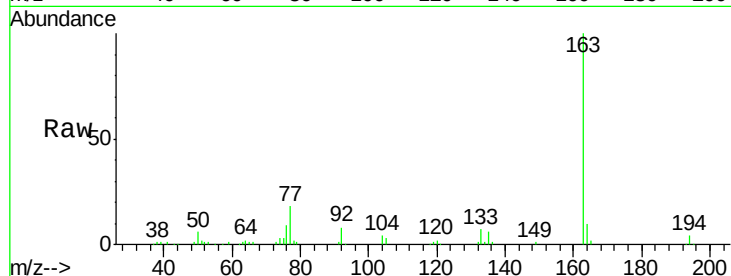
#49
Dimethylphthalate
Concen: 4.46 ng
RT: 9.29 min Scan# 1259
Delta R.T. -0.03 min
Lab File: BF093907.D
Acq: 24 Mar 2017 14:40

Instrument :
BNA_F
ClientSampleId :
E2-P14-NSW

Tot Ion:	163	Resp:	97122
Ion Ratio	Lower	Upper	
163	100		
194	3.6	2.6	4.0
164	10.2	8.4	12.6

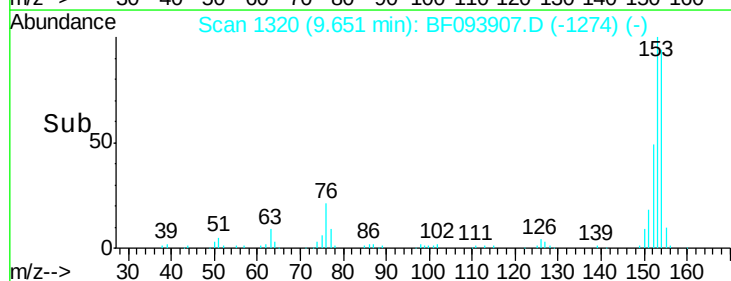
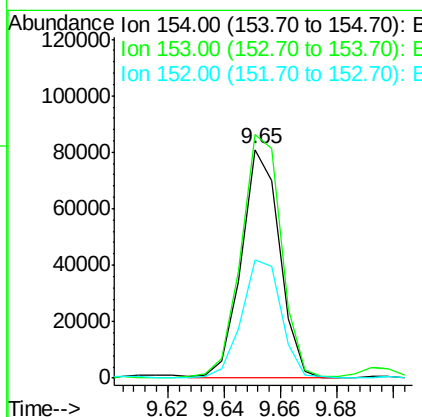
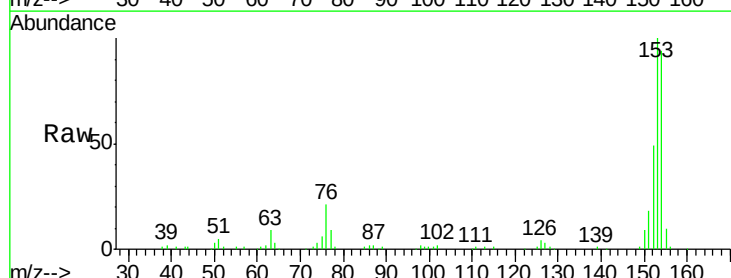
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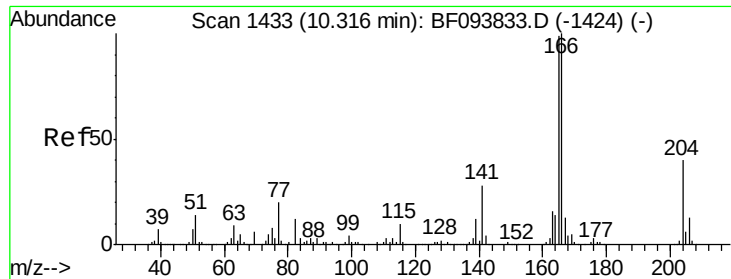
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#51
Acenaphthene
Concen: 4.06 ng
RT: 9.65 min Scan# 1320
Delta R.T. -0.03 min
Lab File: BF093907.D
Acq: 24 Mar 2017 14:40

Tgt Ion:	154	Resp:	76120
Ion Ratio	Lower	Upper	
154	100		
153	106.4	90.5	135.7
152	51.9	43.6	65.4





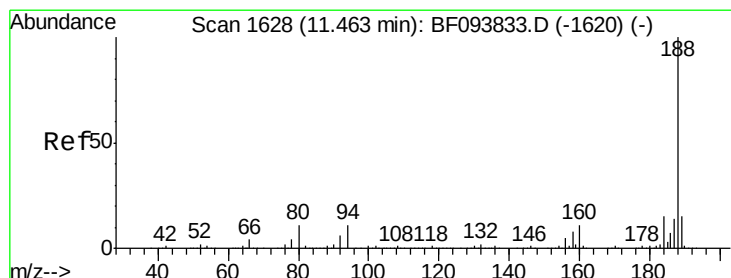
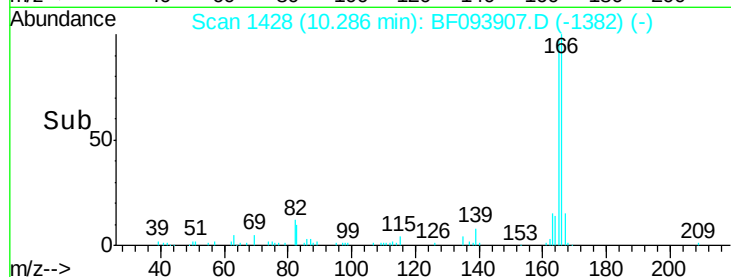
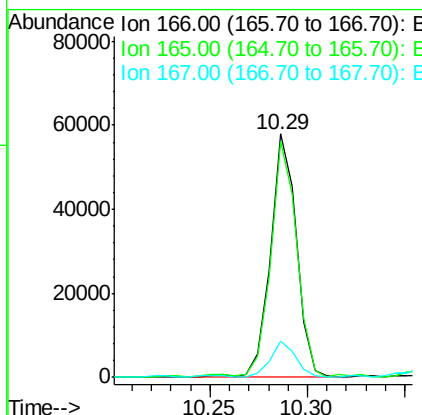
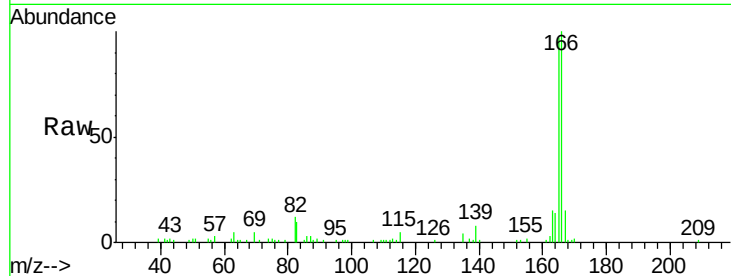
#57
 Fluorene
 Concen: 2.53 ng
 RT: 10.29 min Scan# 1428
 Delta R.T. -0.03 min
 Lab File: BF093907.D
 Acq: 24 Mar 2017 14:40

Instrument :
 BNA_F
 ClientSampleId :
 E2-P14-NSW

Tot Ion	Ion	Ratio	Resp	Lower	Upper
166	100		53449		
165	97.0	78.8	118.2		
167	14.8	10.6	16.0		

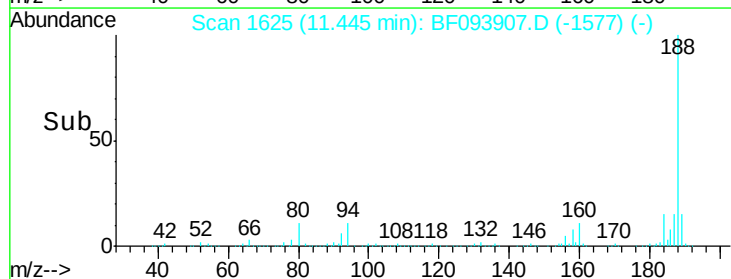
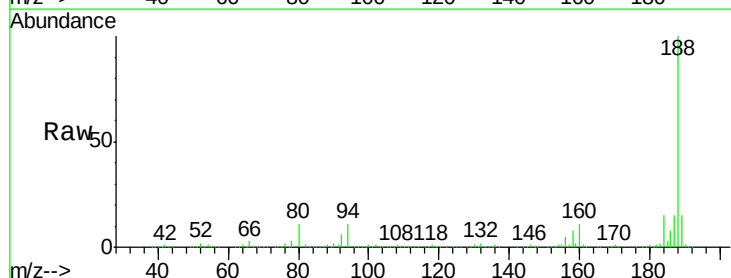
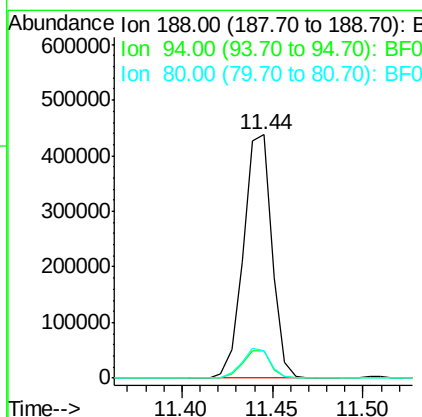
Manual Integrations
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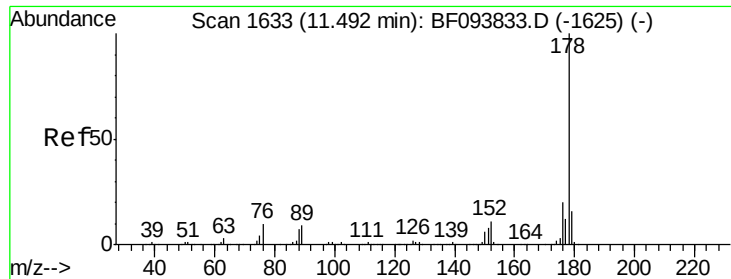
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#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.44 min Scan# 1625
 Delta R.T. -0.02 min
 Lab File: BF093907.D
 Acq: 24 Mar 2017 14:40

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
188	100		474627		
94	11.0	9.4	14.2		
80	11.2	10.2	15.2		





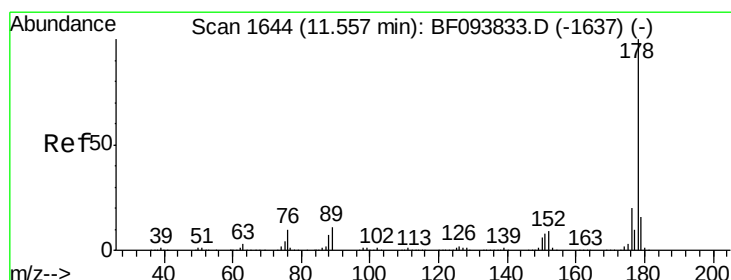
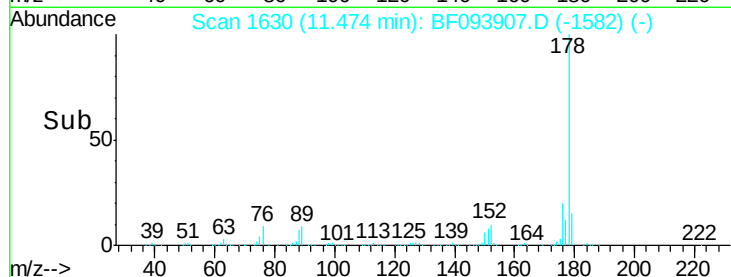
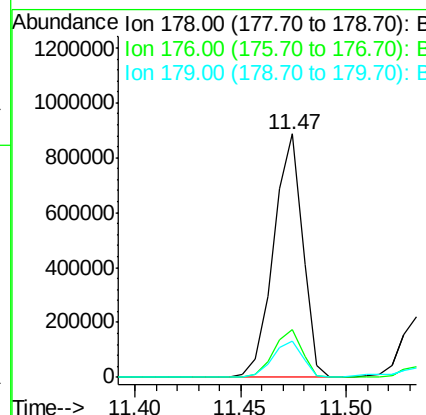
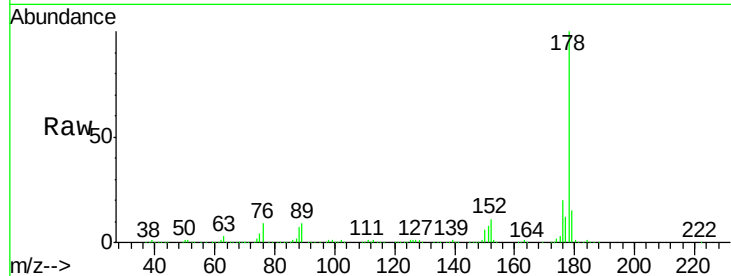
#70
Phenanthrene
Concen: 32.22 ng
RT: 11.47 min Scan# 1630
Delta R.T. -0.02 min
Lab File: BF093907.D
Acq: 24 Mar 2017 14:40

Instrument :
BNA_F
ClientSampleId :
E2-P14-NSW

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.8	16.2	24.4
179	15.2	12.6	19.0

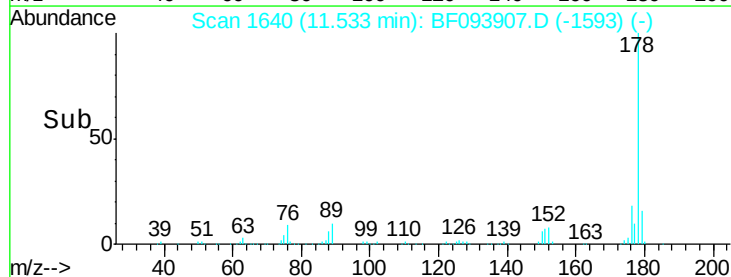
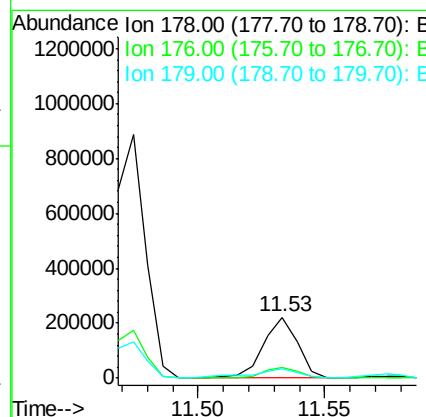
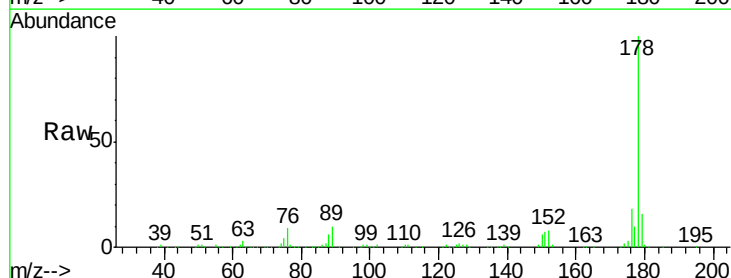
Manual Integrations
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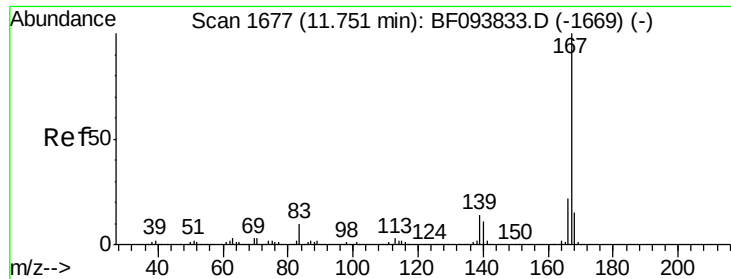
mohammad
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#71
Anthracene
Concen: 7.73 ng
RT: 11.53 min Scan# 1640
Delta R.T. -0.02 min
Lab File: BF093907.D
Acq: 24 Mar 2017 14:40

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.2	15.8	23.8
179	16.3	12.7	19.1





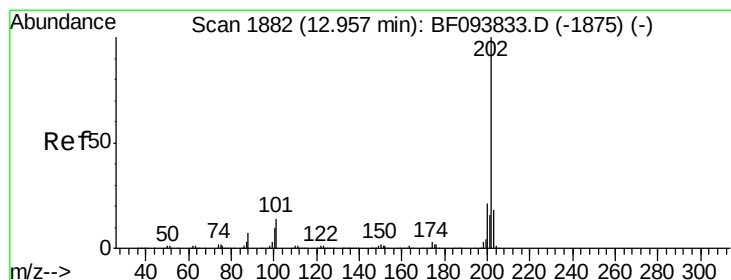
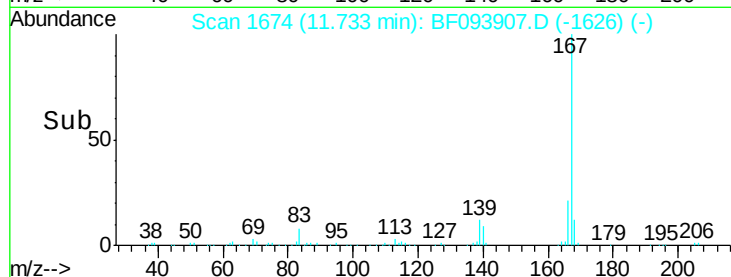
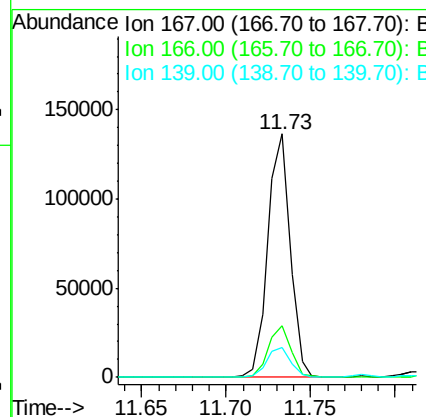
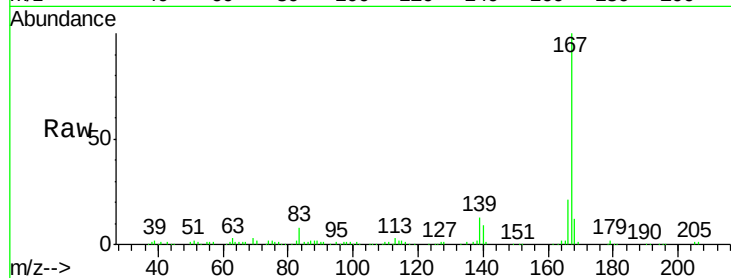
#72
 Carbazole
 Concen: 4.53 ng
 RT: 11.73 min Scan# 1674
 Delta R.T. -0.02 min
 Lab File: BF093907.D
 Acq: 24 Mar 2017 14:40

Instrument :
 BNA_F
 ClientSampleId :
 E2-P14-NSW

Tot Ion	Ion	Ratio	Lower	Upper
167	100			
166	21.4	18.1	27.1	
139	12.5	11.7	17.5	

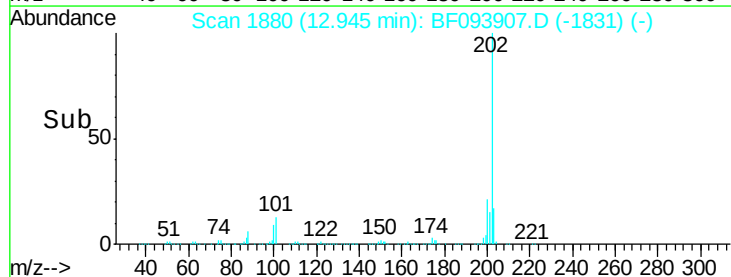
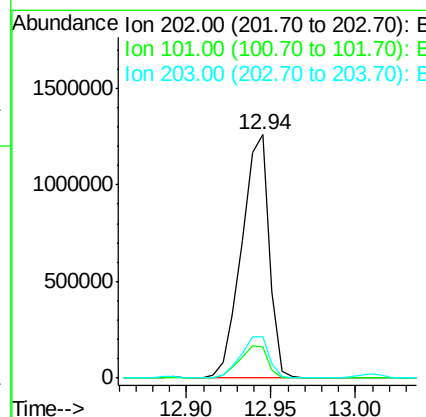
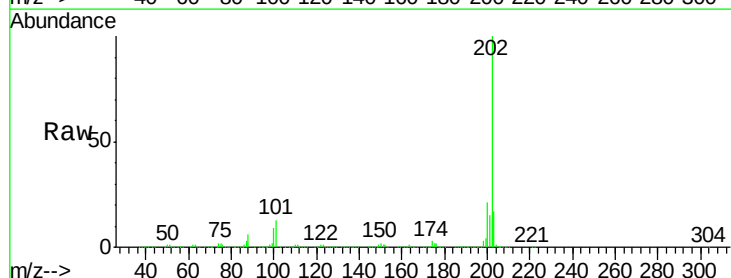
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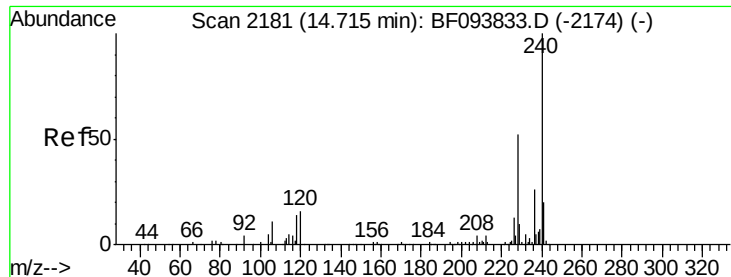
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#74
 Fluoranthene
 Concen: 52.85 ng
 RT: 12.94 min Scan# 1880
 Delta R.T. -0.01 min
 Lab File: BF093907.D
 Acq: 24 Mar 2017 14:40

Tgt Ion	Ion	Ratio	Lower	Upper
202	100			
101	12.8	0.0	33.2	
203	17.2	0.0	38.1	





#75

Chrysene-d12

Concen: 20.00 ng

RT: 14.70 min Scan# 2178

Delta R.T. -0.02 min

Lab File: BF093907.D

Acq: 24 Mar 2017 14:40

Instrument :

BNA_F

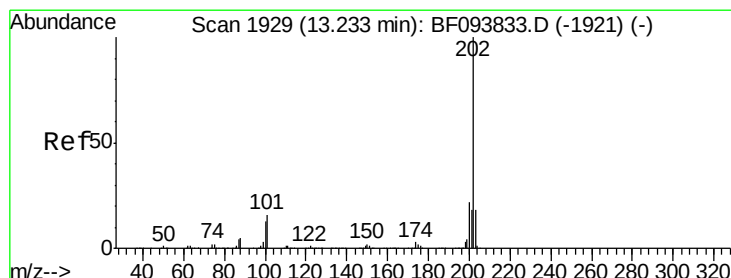
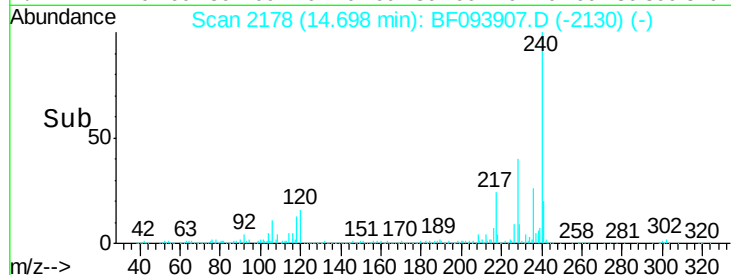
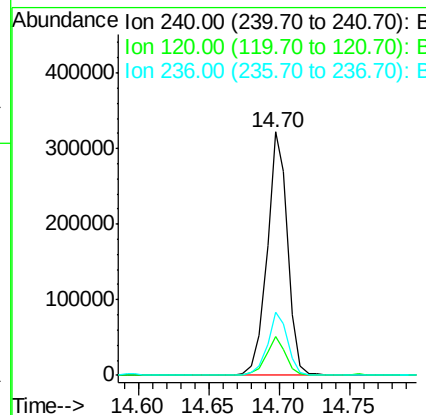
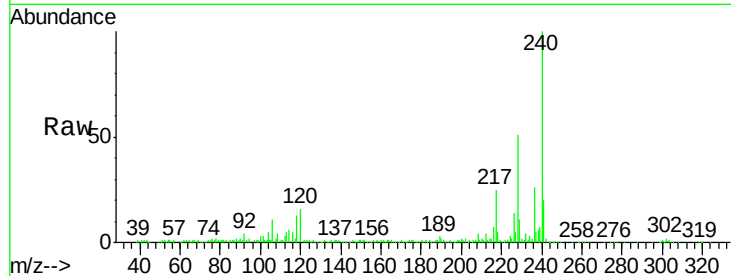
ClientSampleId :

E2-P14-NSW

Tot Ion	Ratio	Lower	Upper
240	100		
120	15.9	5.8	8.8#
236	26.0	20.5	30.7

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#77

Pyrene

Concen: 52.07 ng

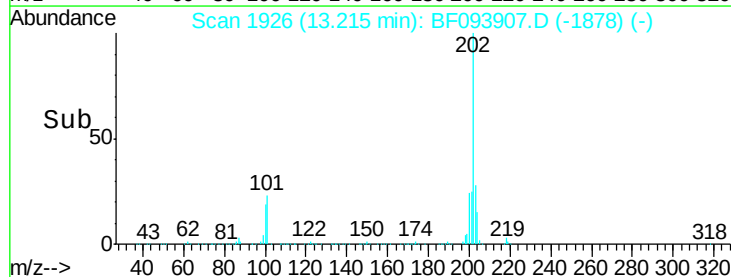
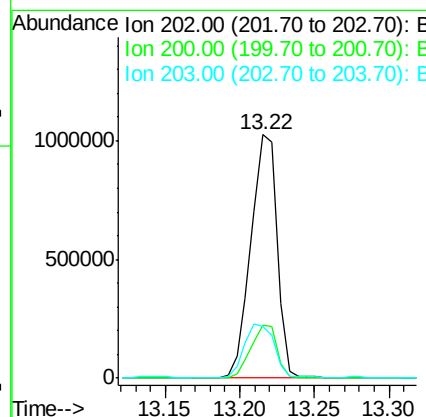
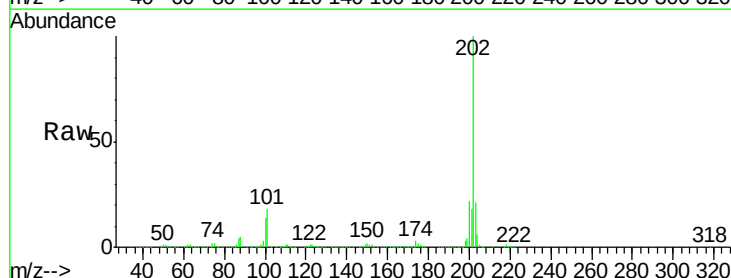
RT: 13.22 min Scan# 1926

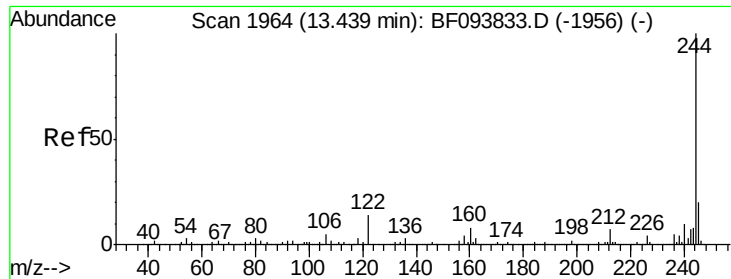
Delta R.T. -0.02 min

Lab File: BF093907.D

Acq: 24 Mar 2017 14:40

Tgt Ion	Ratio	Lower	Upper
202	100		
200	22.0	17.6	26.4
203	21.0	14.4	21.6





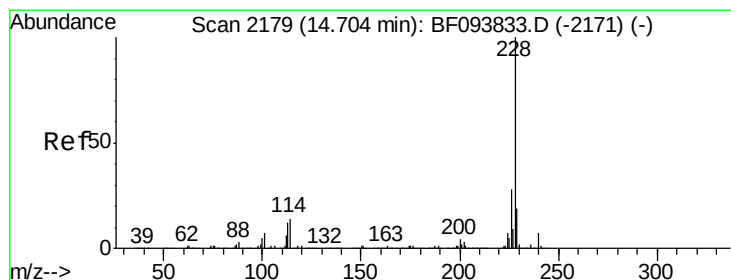
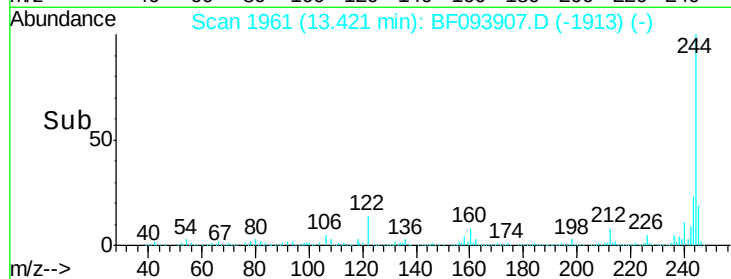
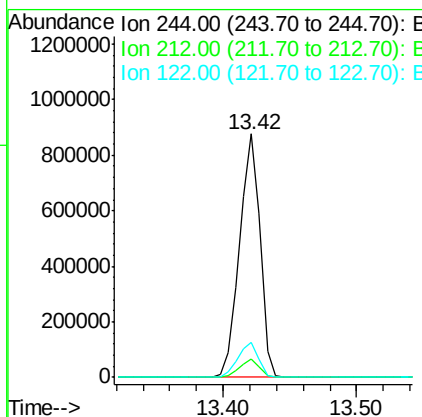
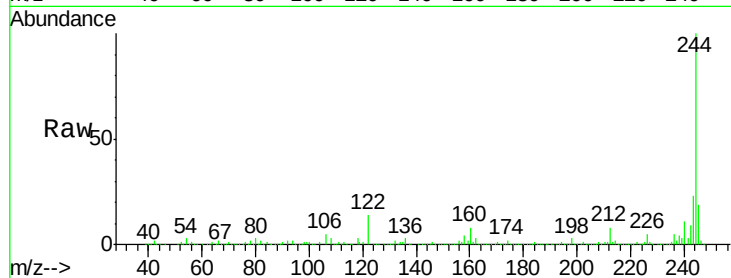
#78
 Terphenyl-d14
 Concen: 63.75 ng
 RT: 13.42 min Scan# 1961
 Delta R.T. -0.02 min
 Lab File: BF093907.D
 Acq: 24 Mar 2017 14:40

Instrument :
 BNA_F
 ClientSampleId :
 E2-P14-NSW

Tot Ion	Ratio	Lower	Upper
244	100		
212	7.5	6.0	9.0
122	14.2	10.3	15.5

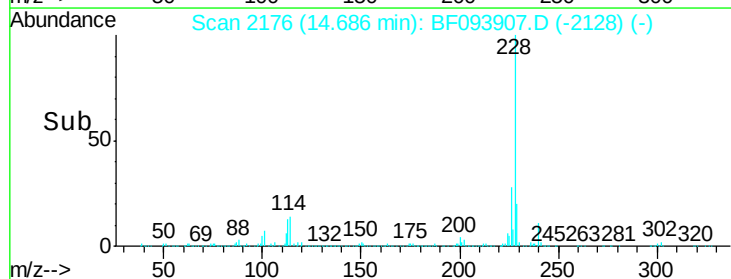
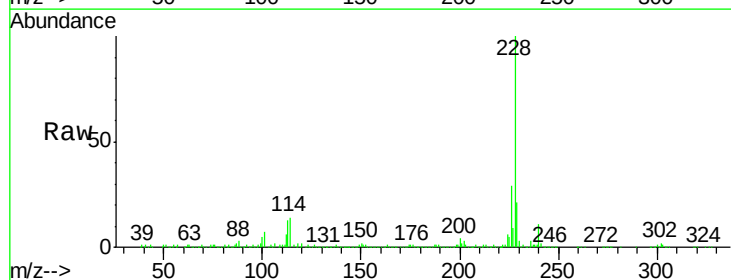
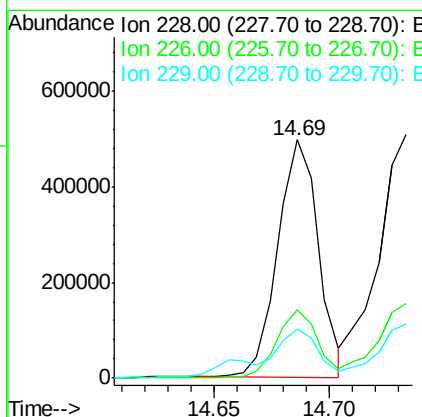
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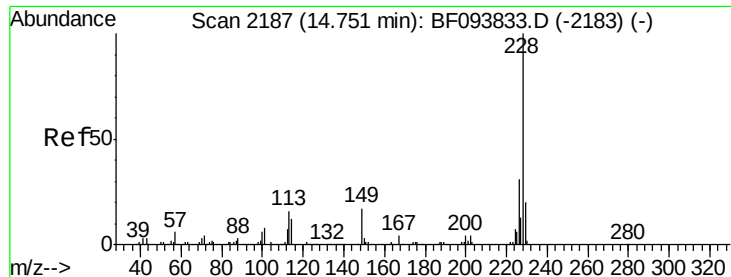
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#80
 Benzo(a)anthracene
 Concen: 31.49 ng
 RT: 14.69 min Scan# 2176
 Delta R.T. -0.02 min
 Lab File: BF093907.D
 Acq: 24 Mar 2017 14:40

Tgt Ion	Ratio	Lower	Upper
228	100		
226	28.5	22.6	33.8
229	20.8	16.3	24.5





#82

Chrysene

Concen: 33.62 ng

RT: 14.73 min Scan# 2184

Delta R.T. -0.02 min

Lab File: BF093907.D

Acq: 24 Mar 2017 14:40

Instrument :

BNA_F

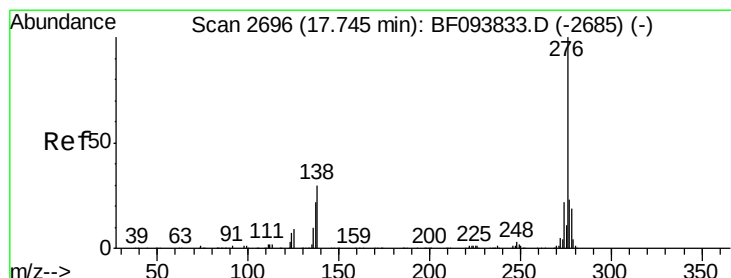
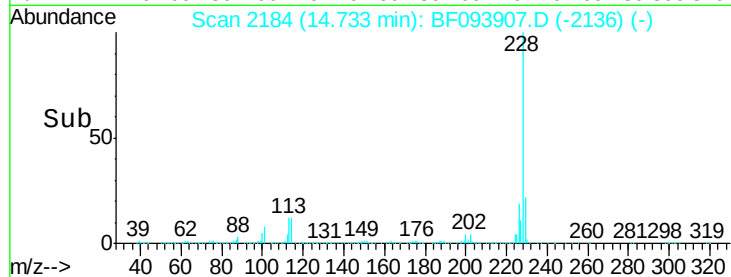
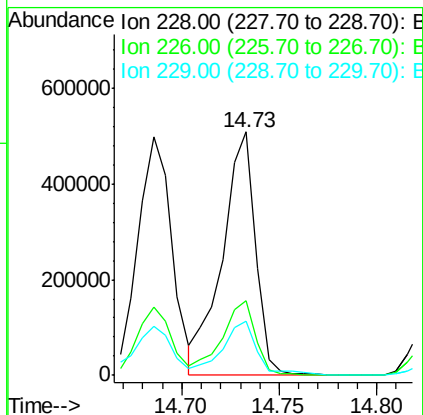
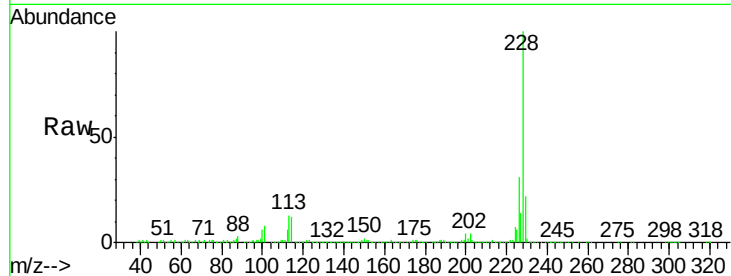
ClientSampleId :

E2-P14-NSW

Tot Ion:	228	Resp:	598561
Ion Ratio	Lower	Upper	
228	100		
226	30.7	24.9	37.3
229	22.1	15.8	23.6

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#85

Indeno(1,2,3-cd)pyrene

Concen: 16.37 ng

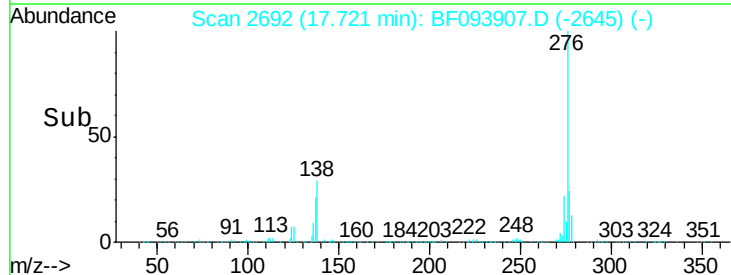
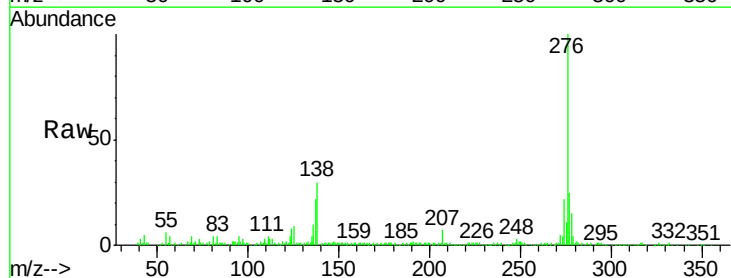
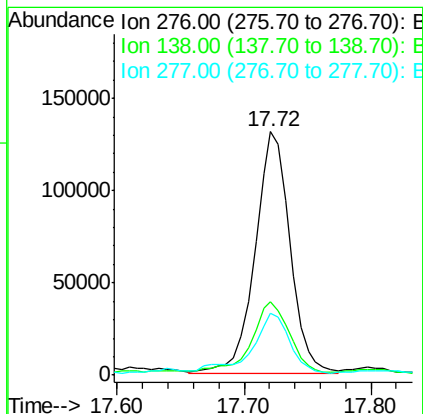
RT: 17.72 min Scan# 2692

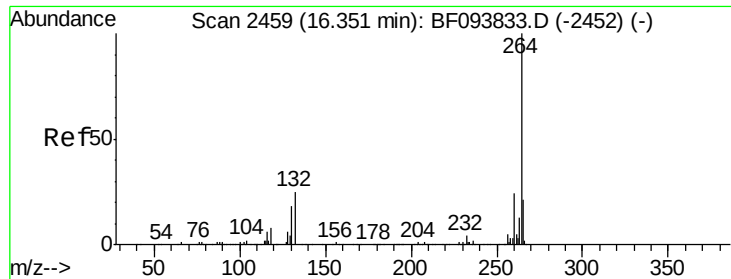
Delta R.T. -0.02 min

Lab File: BF093907.D

Acq: 24 Mar 2017 14:40

Tgt Ion:	276	Resp:	252380
Ion Ratio	Lower	Upper	
276	100		
138	30.7	27.8	41.6
277	27.2	20.2	30.4





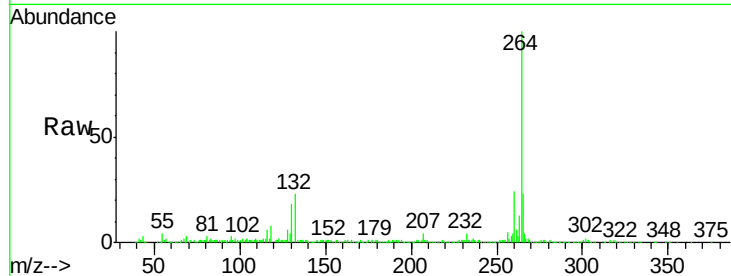
#86
Pervlene-d12
Concen: 20.00 ng
RT: 16.34 min Scan# 2457
Delta R.T. -0.01 min
Lab File: BF093907.D
Acq: 24 Mar 2017 14:40

Instrument :
BNA_F
ClientSampleId :
E2-P14-NSW

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.2	19.5	29.3
265	23.3	17.2	25.8

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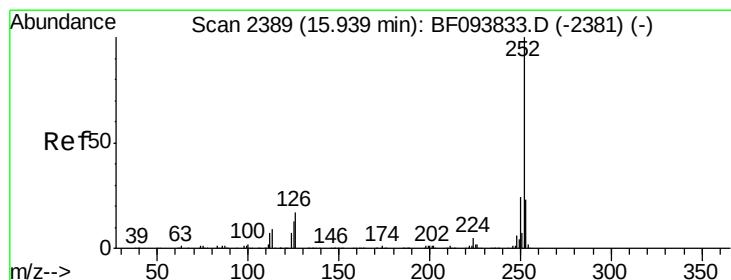
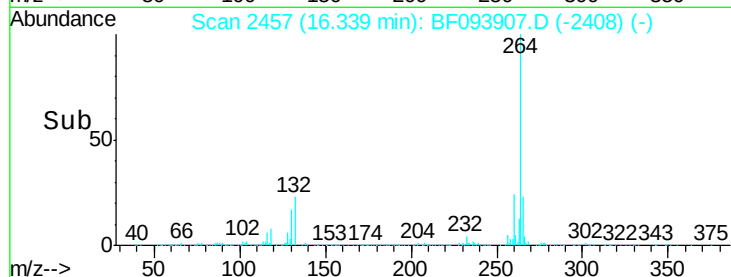
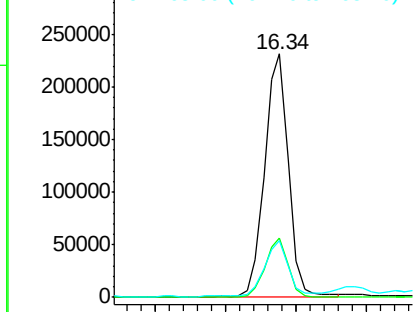


Abundance

Ion 264.00 (263.70 to 264.70): E

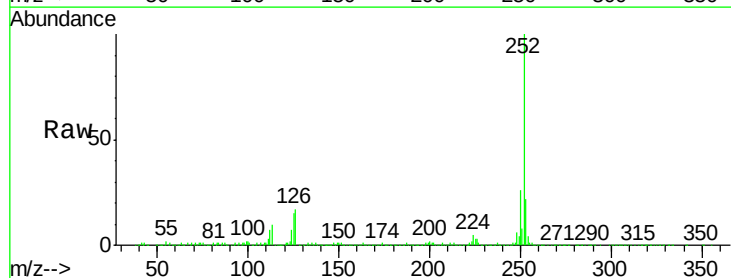
Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E



#87
Benzo(b)fluoranthene
Concen: 41.36 ng m
RT: 15.93 min Scan# 2387
Delta R.T. -0.01 min
Lab File: BF093907.D
Acq: 24 Mar 2017 14:40

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.1	18.1	27.1
125	14.8	9.8	14.8

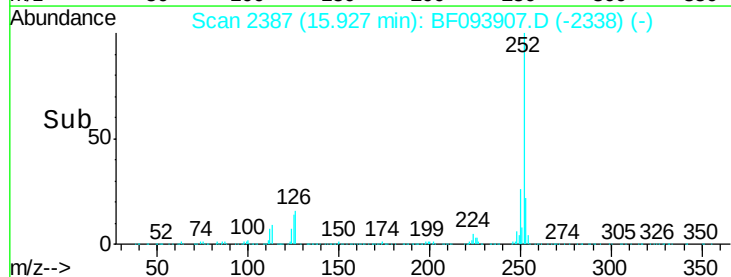
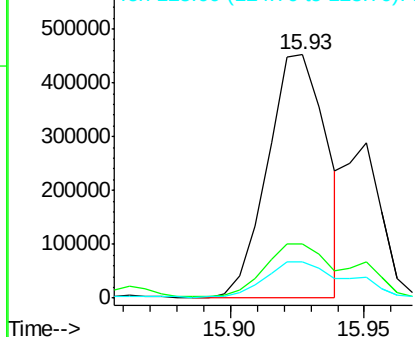


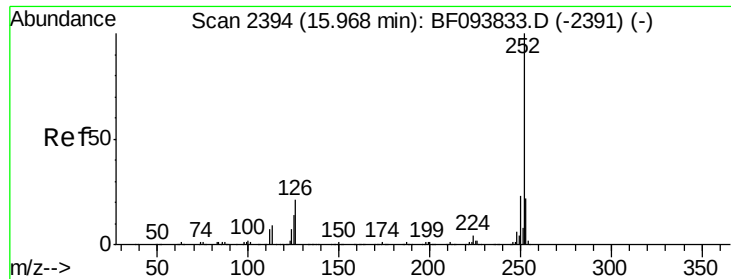
Abundance

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





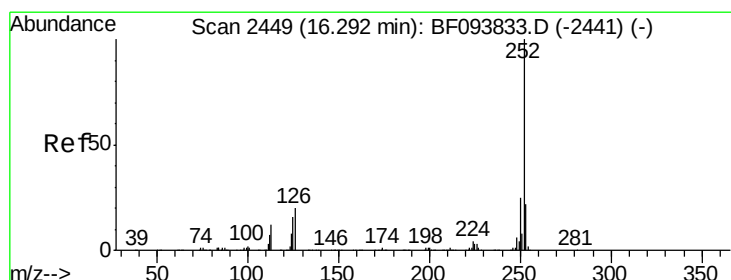
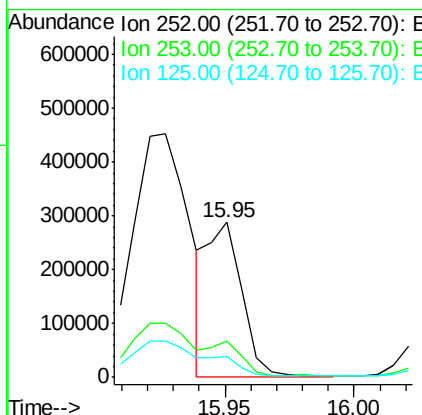
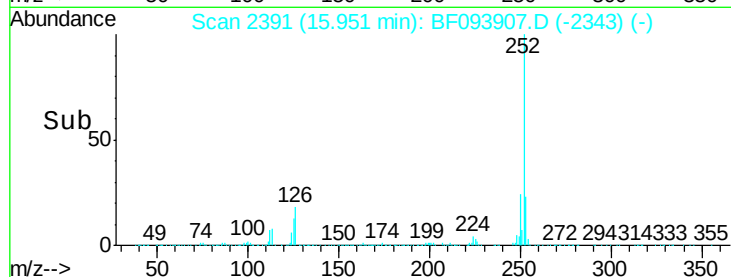
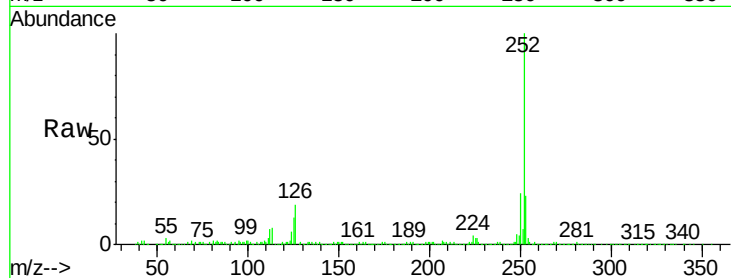
#88
Benzo(k)fluoranthene
Concen: 16.34 ng m
RT: 15.95 min Scan# 2391
Delta R.T. -0.02 min
Lab File: BF093907.D
Acq: 24 Mar 2017 14:40

Instrument :
BNA_F
ClientSampleId :
E2-P14-NSW

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.2	18.4	27.6
125	13.4	13.1	19.7

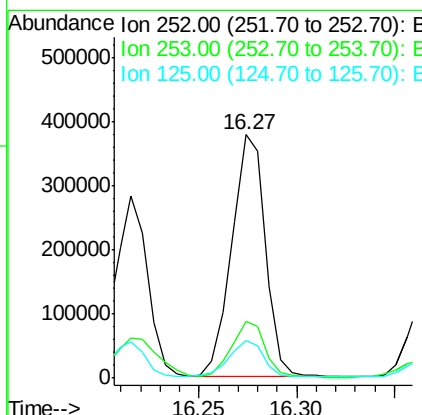
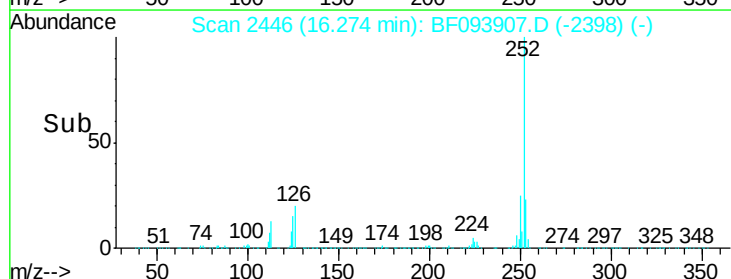
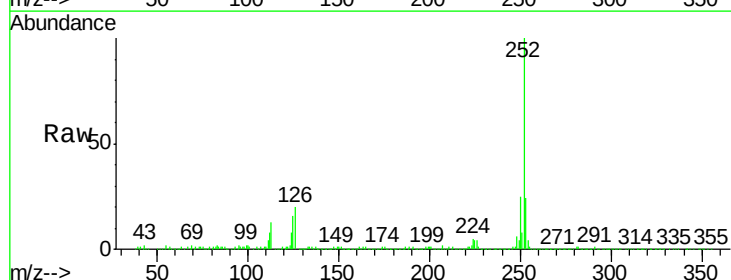
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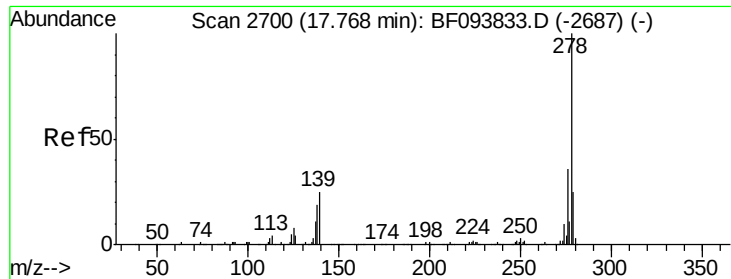
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#89
Benzo(a)pyrene
Concen: 29.10 ng
RT: 16.27 min Scan# 2446
Delta R.T. -0.02 min
Lab File: BF093907.D
Acq: 24 Mar 2017 14:40

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.6	17.5	26.3
125	15.5	11.0	16.4





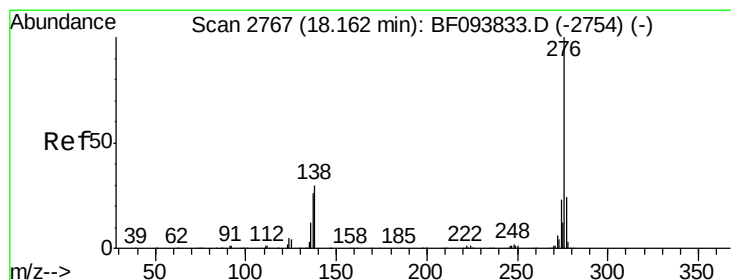
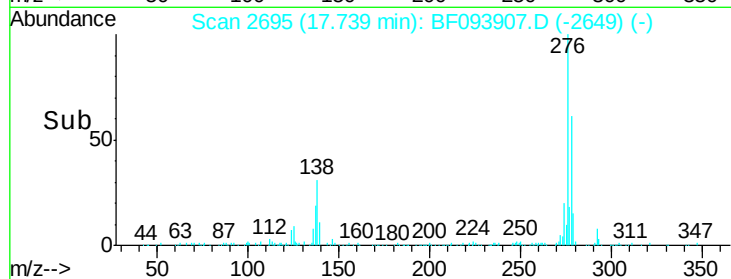
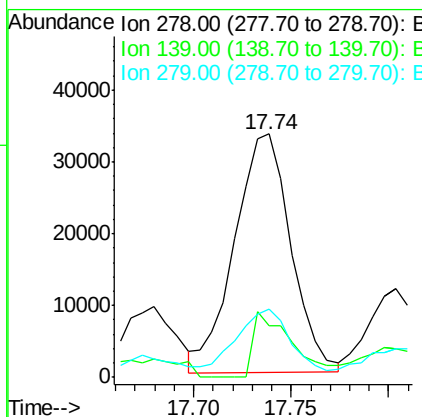
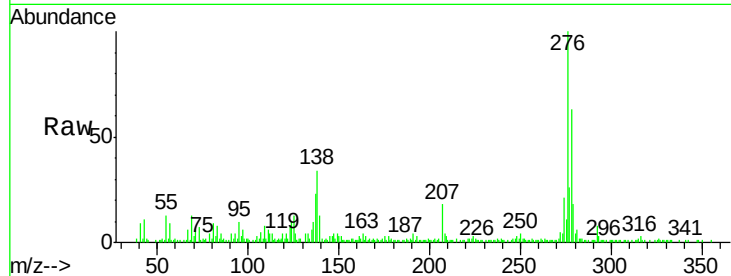
#90
Dibenzo(a,h)anthracene
Concen: 5.09 ng
RT: 17.74 min Scan# 2695
Delta R.T. -0.03 min
Lab File: BF093907.D
Acq: 24 Mar 2017 14:40

Instrument :
BNA_F
ClientSampleId :
E2-P14-NSW

Tot Ion	Ratio	Lower	Upper
278	100		
139	21.3	16.6	24.8
279	28.1	19.3	28.9

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#91
Benzo(g,h,i)perylene
Concen: 17.76 ng
RT: 18.13 min Scan# 2761
Delta R.T. -0.04 min
Lab File: BF093907.D
Acq: 24 Mar 2017 14:40

Tgt Ion	Ratio	Lower	Upper
276	100		
277	25.2	18.6	28.0
138	31.5	25.4	38.0

