

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF091517\
 Data File : BF098583.D
 Acq On : 15 Sep 2017 21:57
 Operator : SJ/JU
 Sample : I5236-01 5X
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TR-04-091317

Manual Integrations
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Quant Time: Sep 16 03:46:30 2017
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF091117.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Sep 12 02:14:50 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.64	152	130278	20.00	ng	-0.03
21) Naphthalene-d8	7.93	136	542954	20.00	ng	-0.02
38) Acenaphthene-d10	9.68	164	229533	20.00	ng	-0.02
63) Phenanthrene-d10	11.16	188	410542	20.00	ng	-0.02
75) Chrysene-d12	13.80	240	279844	20.00	ng	-0.02
86) Perylene-d12	15.20	264	266729	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.25	112	193877	22.00	ng	-0.03
7) Phenol-d6	6.29	99	247901	22.16	ng	-0.03
23) Nitrobenzene-d5	7.21	82	142833	14.67	ng	-0.03
41) 2,4,6-Tribromophenol	10.47	330	38364	25.04	ng	-0.02
44) 2-Fluorobiphenyl	9.00	172	241951	17.87	ng	-0.03
78) Terphenyl-d14	12.74	244	197899	15.26	ng	-0.02
Target Compounds						
49) Dimethylphthalate	9.40	163	42090	2.369	ng	98
70) Phenanthrene	11.19	178	105800	4.861	ng	98
74) Fluoranthene	12.37	202	180446	8.282	ng	97
77) Pyrene	12.60	202	192968	8.741	ng	96
80) Benzo(a)anthracene	13.79	228	74362	4.532	ng	98
82) Chrysene	13.83	228	76386	4.606	ng	95
85) Indeno(1,2,3-cd)pyrene	16.54	276	39301	3.378	ng	# 88
87) Benzo(b)fluoranthene	14.81	252	104538m	6.233	ng	
89) Benzo(a)pyrene	15.14	252	72939	4.882	ng	97
91) Benzo(g,h,i)perylene	16.94	276	39596	3.622	ng	95

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

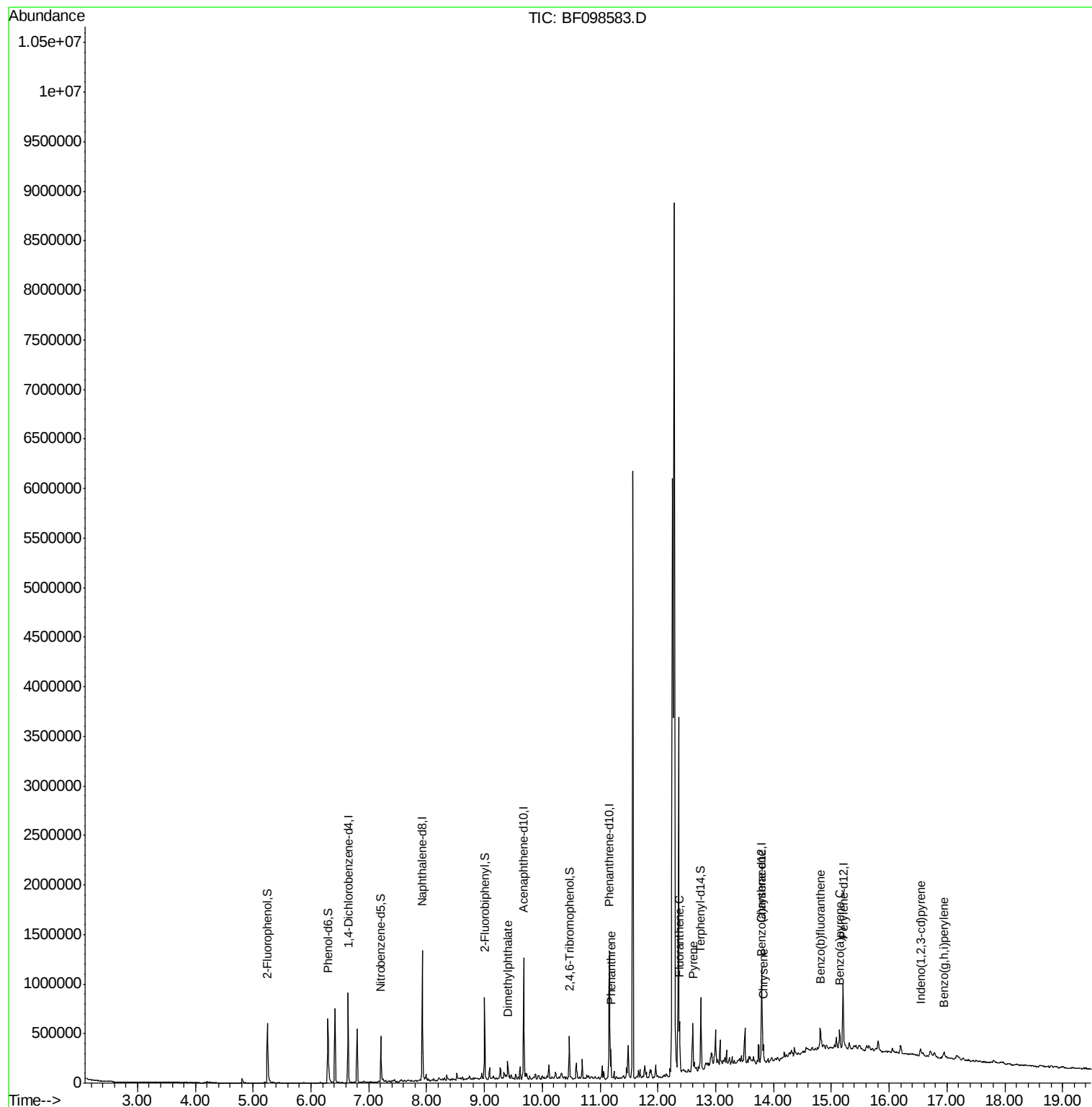
Data Path : Z:\HPCHEM1\BNA_F\DATA\BF091517\
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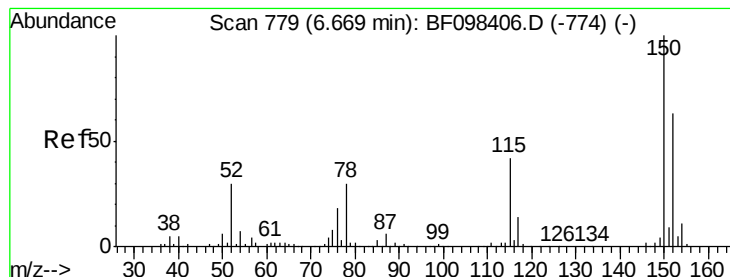
Instrument :
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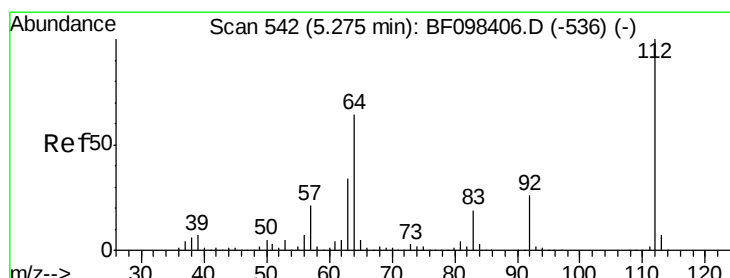
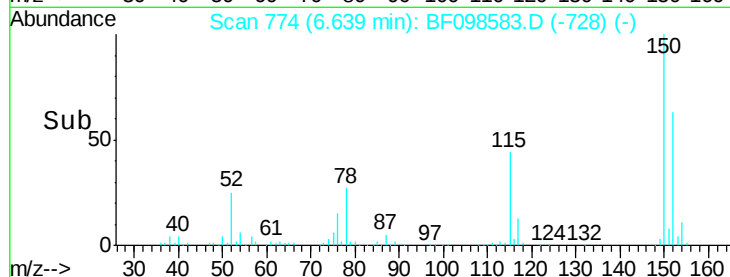
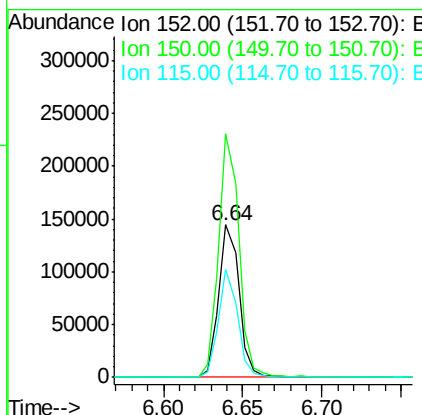
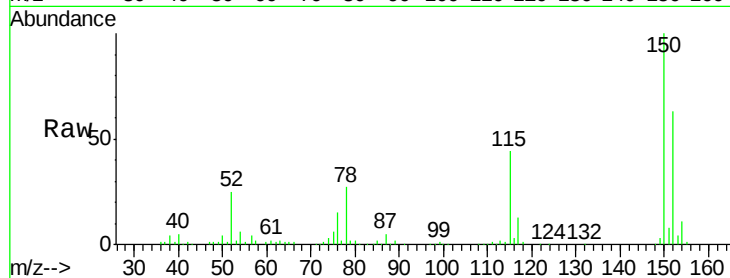
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.64 min Scan# 774
 Delta R.T. -0.03 min
 Lab File: BF098583.D
 Acq: 15 Sep 2017 21:57

Instrument :
 BNA_F
 ClientSampleId :
 TR-04-091317

Tgt Ion	Ratio	Resp	Lower	Upper
152	100	130278		
150	159.5	126.2	189.2	
115	70.7	52.2	78.2	

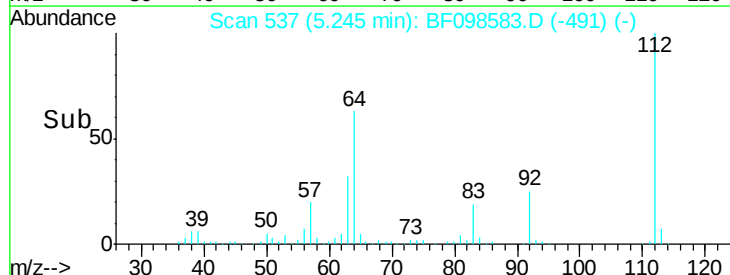
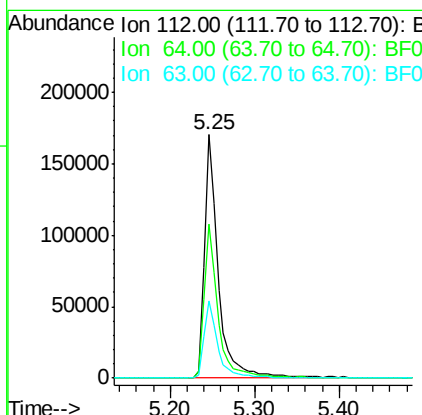
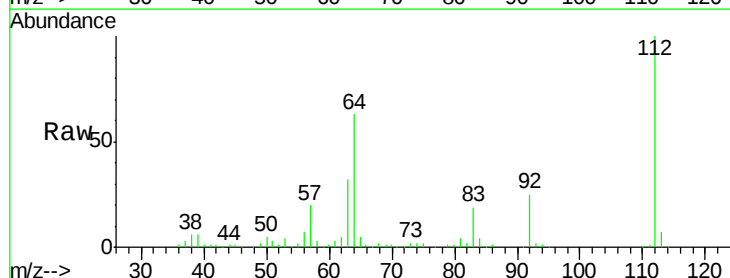
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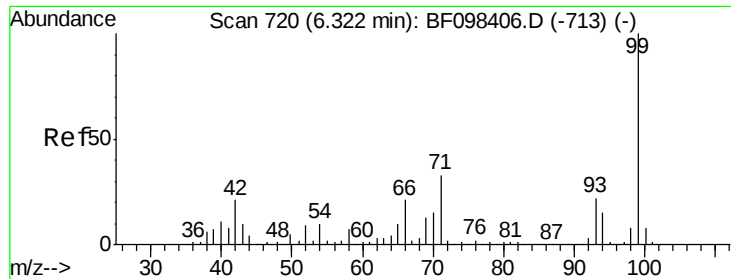
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#5
 2-Fluorophenol
 Concen: 22.003 ng
 RT: 5.25 min Scan# 537
 Delta R.T. -0.03 min
 Lab File: BF098583.D
 Acq: 15 Sep 2017 21:57

Tgt Ion	Ratio	Resp	Lower	Upper
112	100	193877		
64	63.3	46.0	69.0	
63	31.7	23.4	35.0	





#7

Phenol-d6

Concen: 22.159 ng

RT: 6.29 min Scan# 715

Delta R.T. -0.03 min

Lab File: BF098583.D

Acq: 15 Sep 2017 21:57

Instrument :

BNA_F

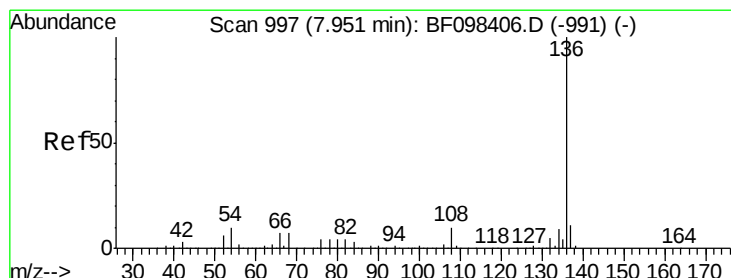
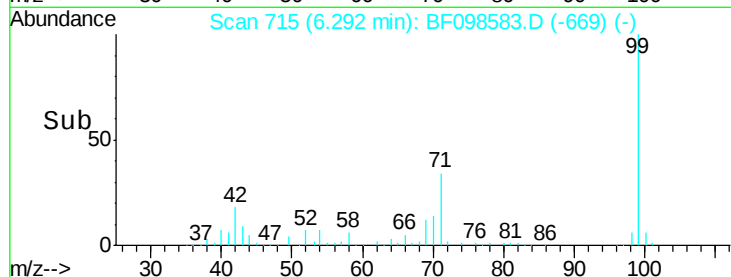
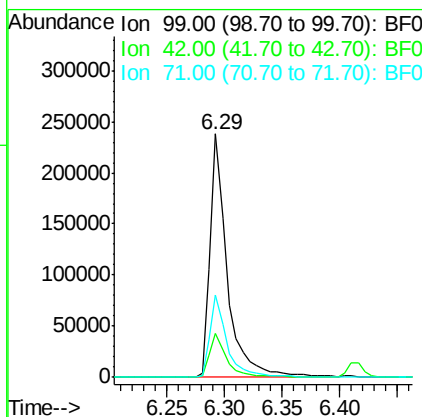
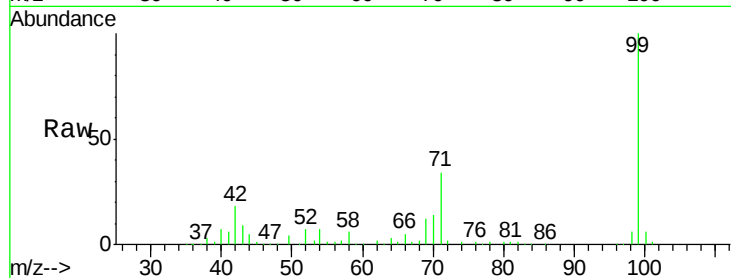
ClientSampleId :

TR-04-091317

Tgt Ion:	99	Resp:	247901
Ion Ratio	Lower	Upper	
99	100		
42	17.8	13.5	20.3
71	33.6	24.5	36.7

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#21

Naphthalene-d8

Concen: 20.000 ng

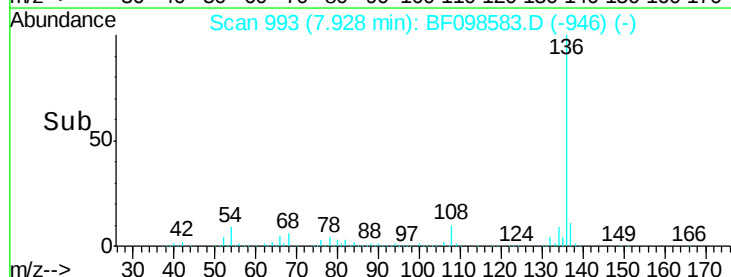
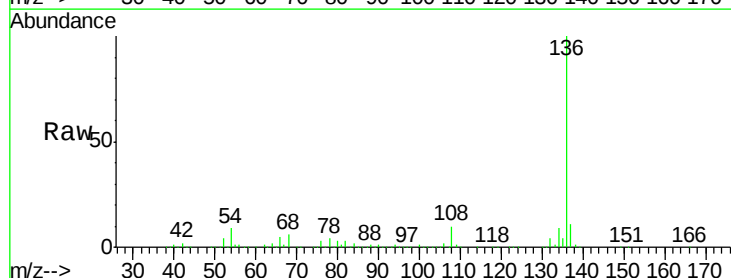
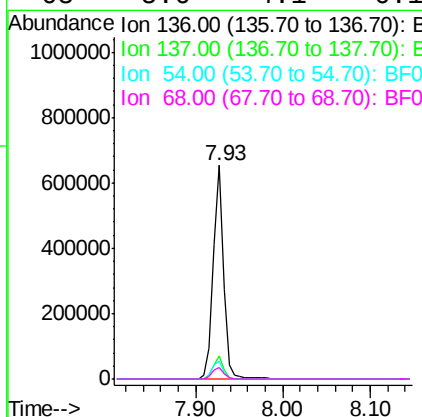
RT: 7.93 min Scan# 993

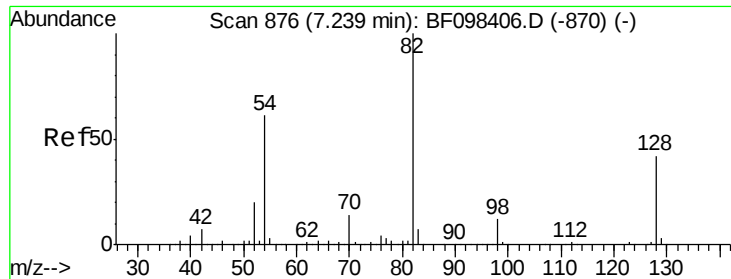
Delta R.T. -0.02 min

Lab File: BF098583.D

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Tgt Ion:	136	Resp:	542954
Ion Ratio	Lower	Upper	
136	100		
137	11.1	8.5	12.7
54	8.5	4.9	7.3
68	5.6	4.1	6.1





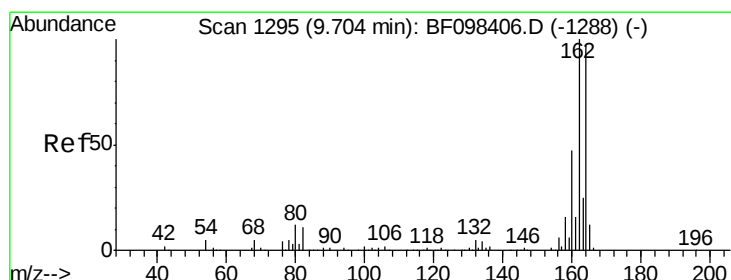
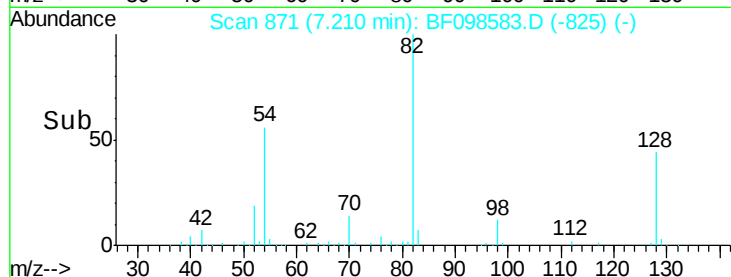
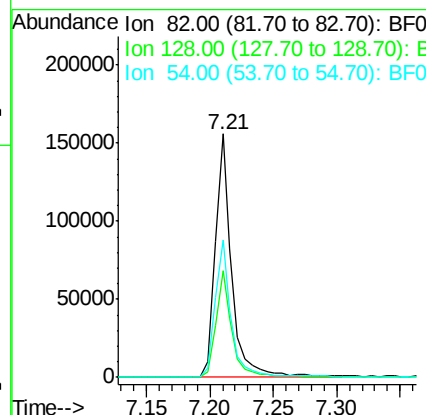
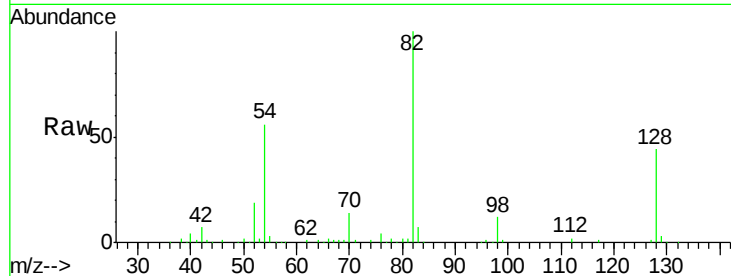
#23
 Nitrobenzene-d5
 Concen: 14.666 ng
 RT: 7.21 min Scan# 871
 Delta R.T. -0.03 min
 Lab File: BF098583.D
 Acq: 15 Sep 2017 21:57

Instrument :
 BNA_F
 ClientSampleId :
 TR-04-091317

Tgt Ion	Ratio	Resp	Lower	Upper
82	100	142833		
128	44.0	34.0	51.0	
54	56.5	42.2	63.2	

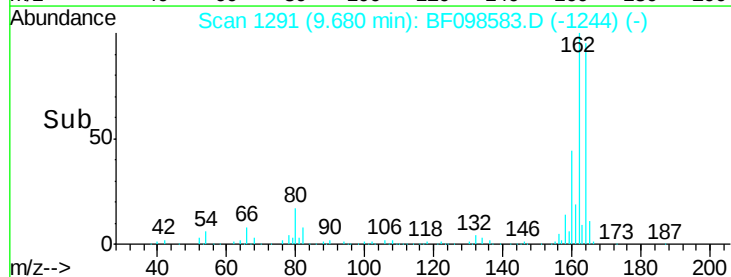
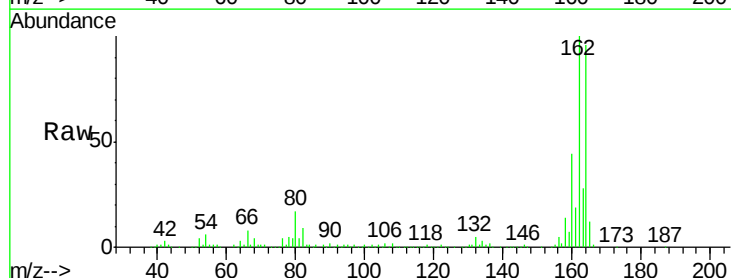
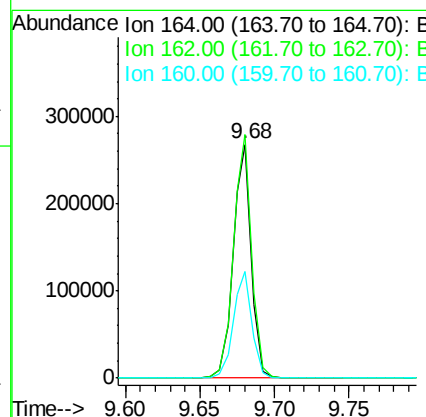
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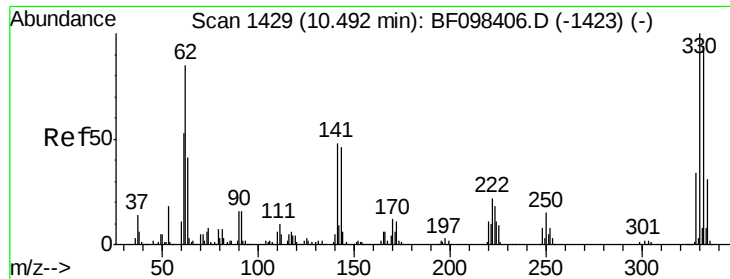
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#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.68 min Scan# 1291
 Delta R.T. -0.02 min
 Lab File: BF098583.D
 Acq: 15 Sep 2017 21:57

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	229533		
162	104.2	82.6	123.8	
160	45.8	36.2	54.2	





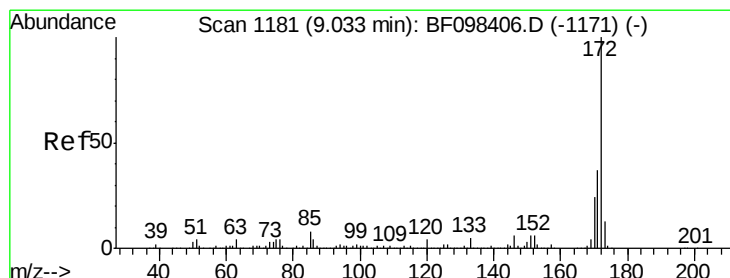
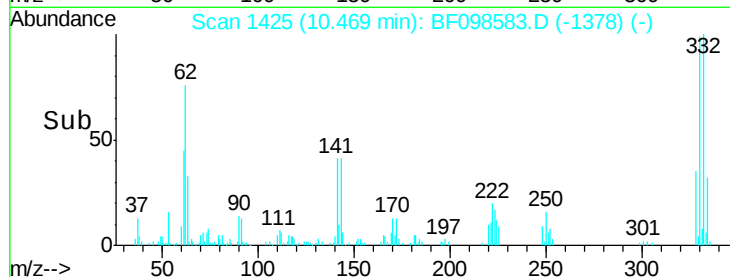
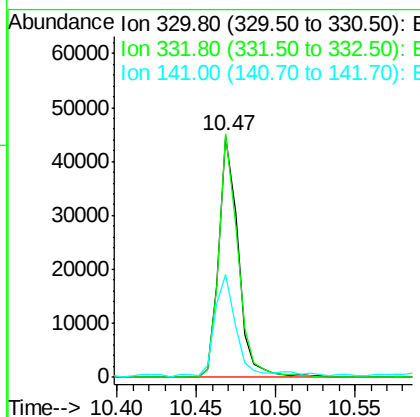
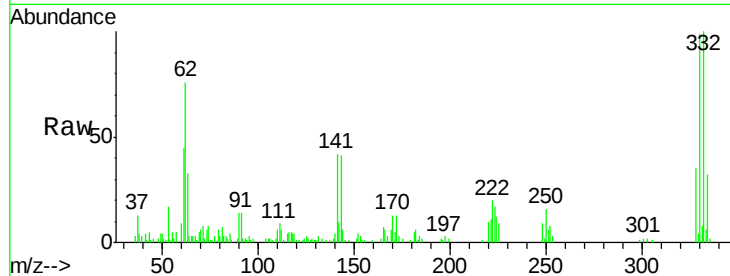
#41
 2,4,6-Tribromophenol
 Concen: 25.043 ng
 RT: 10.47 min Scan# 1425
 Delta R.T. -0.02 min
 Lab File: BF098583.D
 Acq: 15 Sep 2017 21:57

Instrument :
 BNA_F
 ClientSampleId :
 TR-04-091317

Tgt Ion	Ratio	Resp	Lower	Upper
330	100	38364		
332	98.1	76.6	115.0	
141	46.9	31.4	47.2	

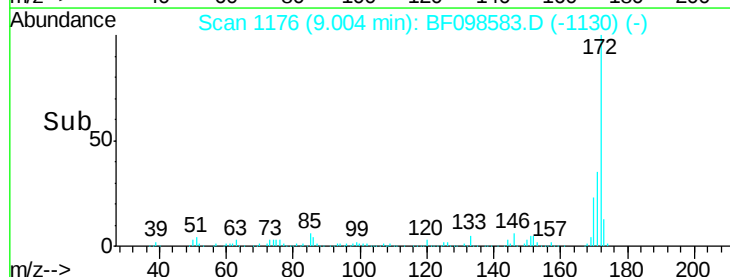
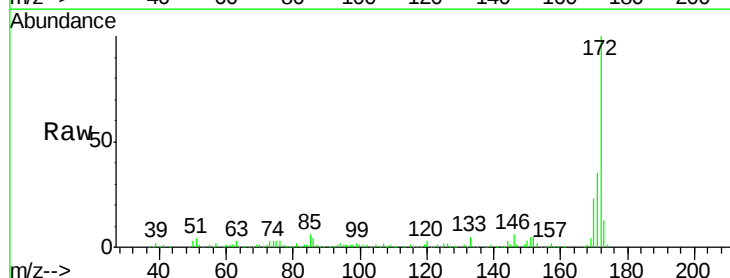
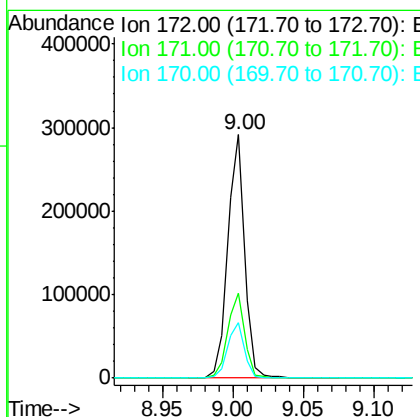
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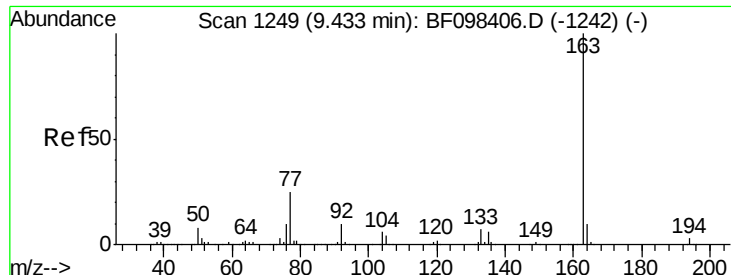
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#44
 2-Fluorobiphenyl
 Concen: 17.866 ng
 RT: 9.00 min Scan# 1176
 Delta R.T. -0.03 min
 Lab File: BF098583.D
 Acq: 15 Sep 2017 21:57

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	241951		
171	34.7	29.6	44.4	
170	22.6	19.8	29.8	





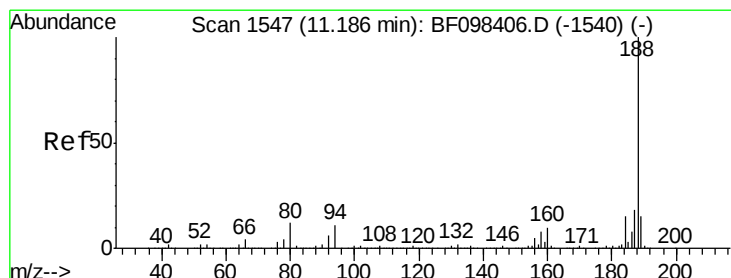
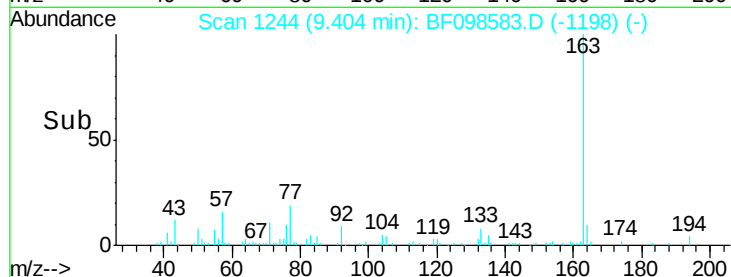
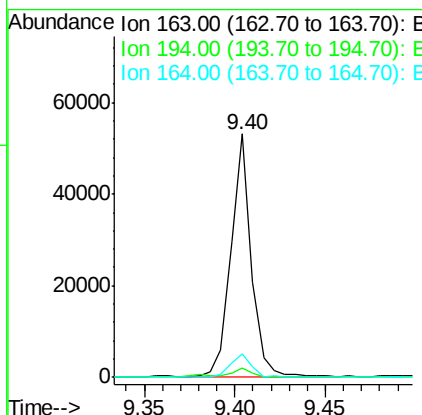
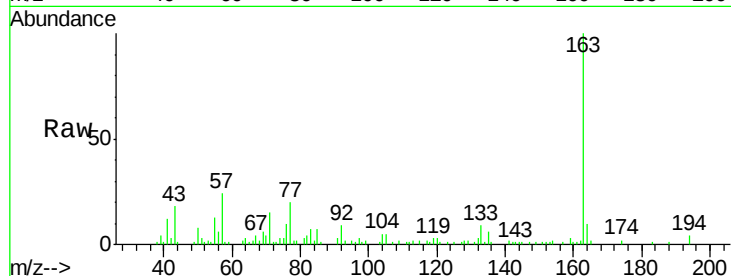
#49
Dimethylphthalate
Concen: 2.369 ng
RT: 9.40 min Scan# 1244
Delta R.T. -0.03 min
Lab File: BF098583.D
Acq: 15 Sep 2017 21:57

Instrument :
BNA_F
ClientSampleId :
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Tgt Ion	Ratio	Resp	Lower	Upper
163	100	42090		
194	3.9		2.6	4.0
164	9.5		8.4	12.6

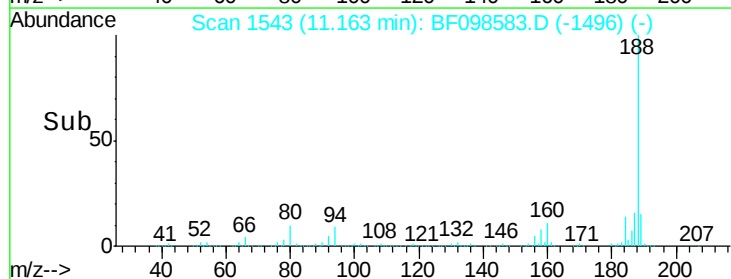
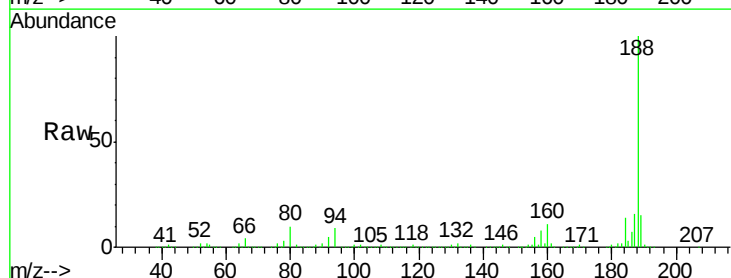
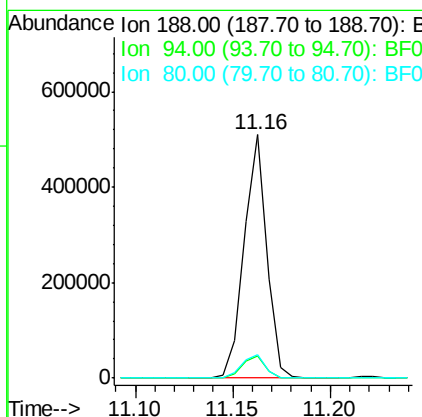
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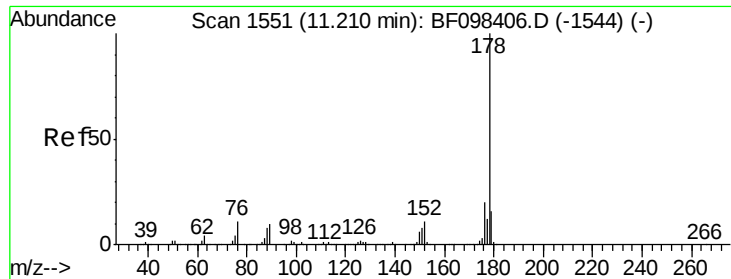
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#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.16 min Scan# 1543
Delta R.T. -0.02 min
Lab File: BF098583.D
Acq: 15 Sep 2017 21:57

Tgt Ion	Ratio	Resp	Lower	Upper
188	100	410542		
94	9.1		9.4	14.2#
80	9.8		10.2	15.2#





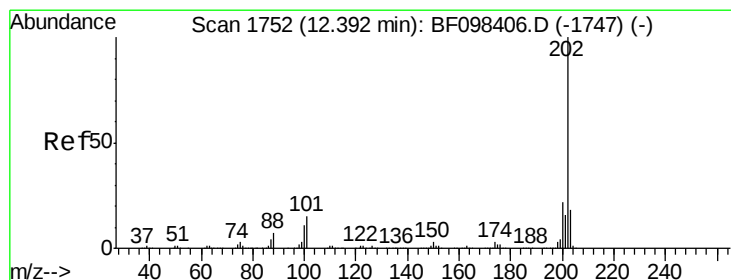
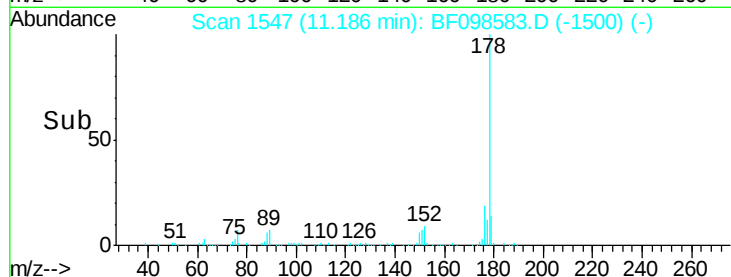
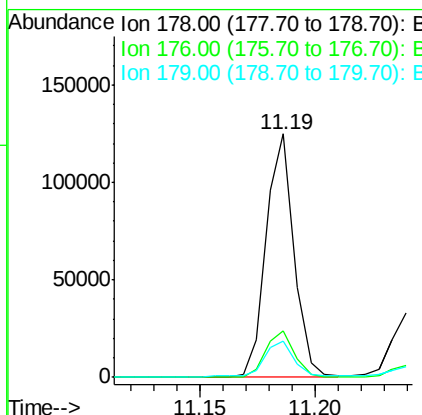
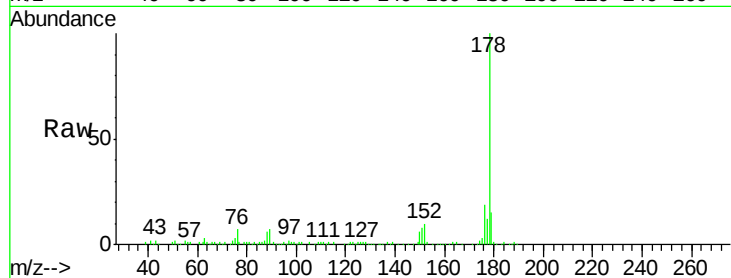
#70
Phenanthrene
Concen: 4.861 ng
RT: 11.19 min Scan# 1547
Delta R.T. -0.02 min
Lab File: BF098583.D
Acq: 15 Sep 2017 21:57

Instrument :
BNA_F
ClientSampleId :
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Tgt Ion:	178	Resp:	105800
Ion Ratio	Lower	Upper	
178	100		
176	19.3	16.2	24.4
179	14.7	12.6	19.0

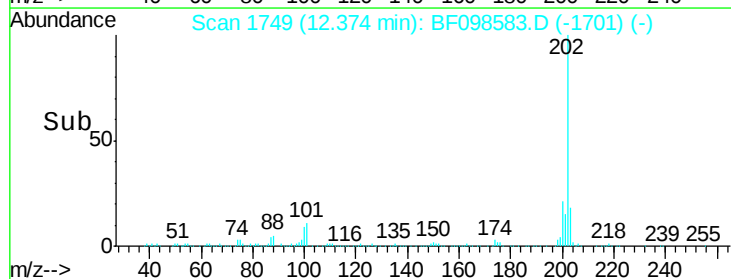
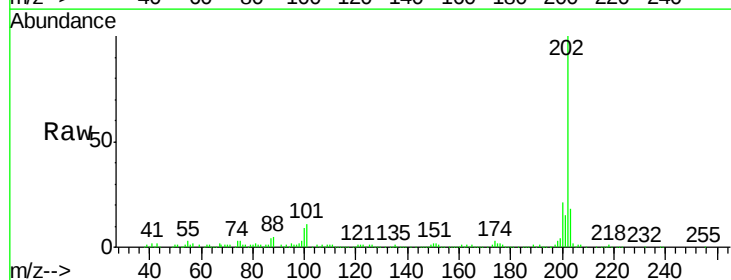
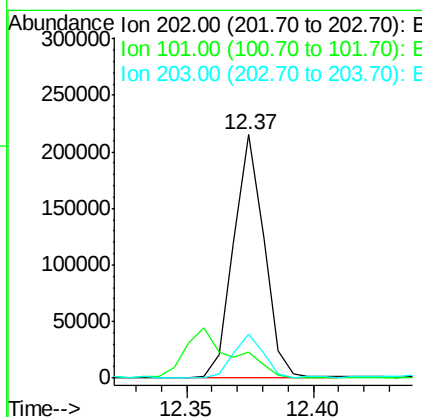
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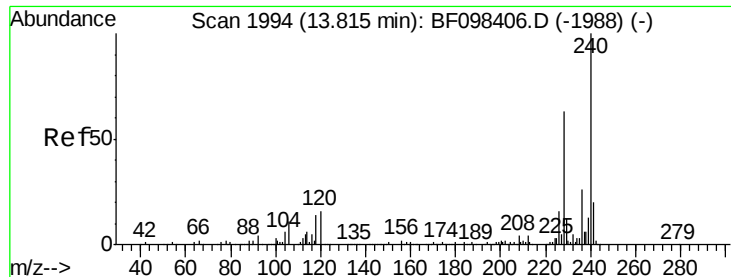
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#74
Fluoranthene
Concen: 8.282 ng
RT: 12.37 min Scan# 1749
Delta R.T. -0.02 min
Lab File: BF098583.D
Acq: 15 Sep 2017 21:57

Tgt Ion:	202	Resp:	180446
Ion Ratio	Lower	Upper	
202	100		
101	10.8	0.0	33.2
203	17.8	0.0	38.1





#75

Chrysene-d12

Concen: 20.000 ng

RT: 13.80 min Scan# 1991

Delta R.T. -0.02 min

Lab File: BF098583.D

Acq: 15 Sep 2017 21:57

Instrument :

BNA_F

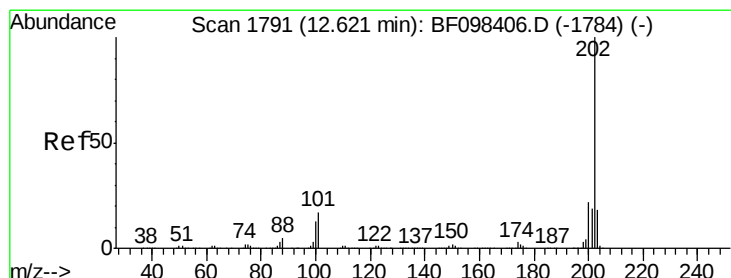
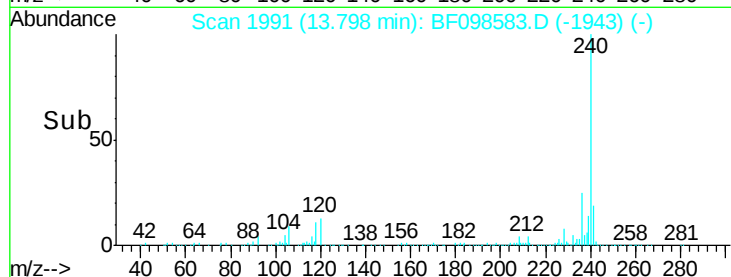
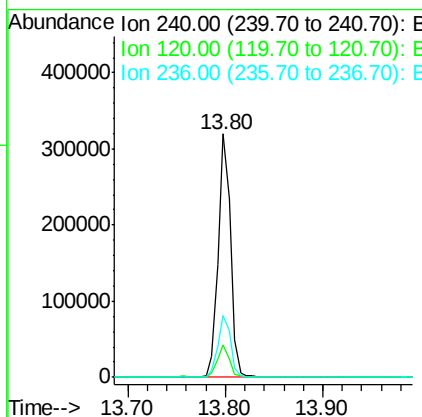
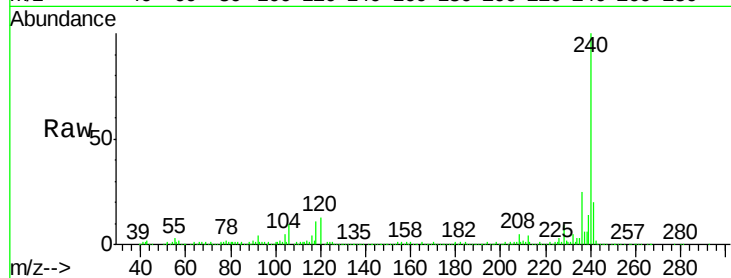
ClientSampleId :

TR-04-091317

Tgt Ion	Ratio	Lower	Upper
240	100		
120	13.3	5.8	8.8#
236	25.2	20.5	30.7

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#77

Pyrene

Concen: 8.741 ng

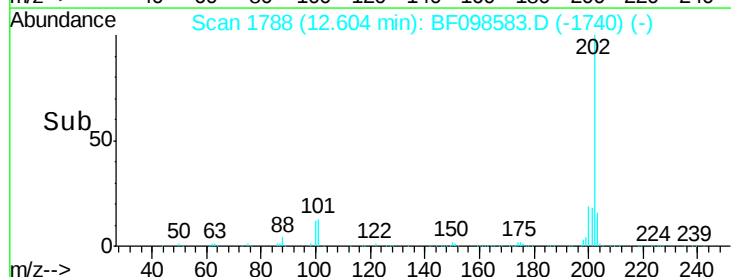
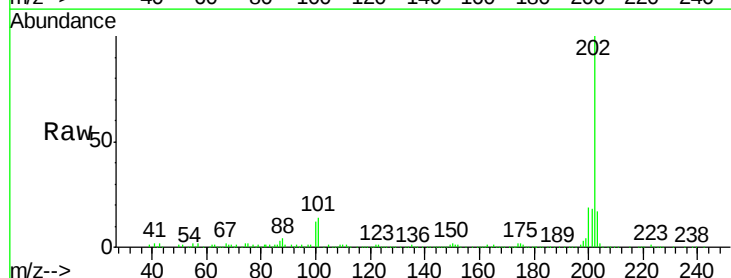
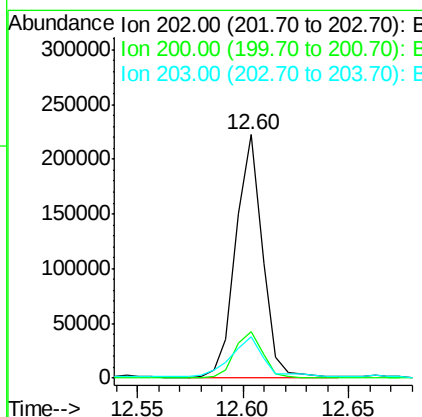
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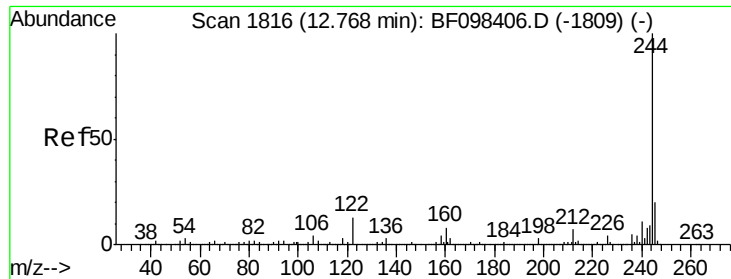
Delta R.T. -0.02 min

Lab File: BF098583.D

Acq: 15 Sep 2017 21:57

Tgt Ion	Ratio	Lower	Upper
202	100		
200	19.3	17.6	26.4
203	16.8	14.4	21.6





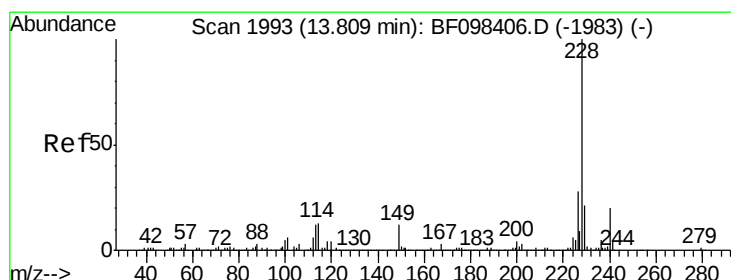
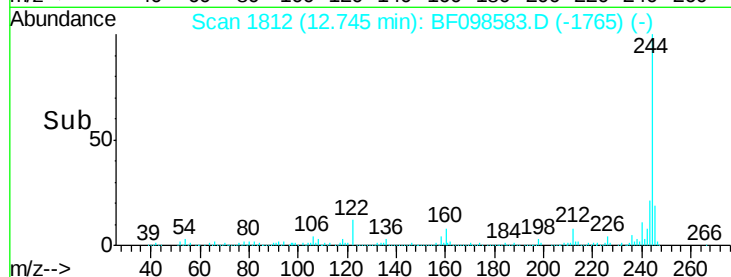
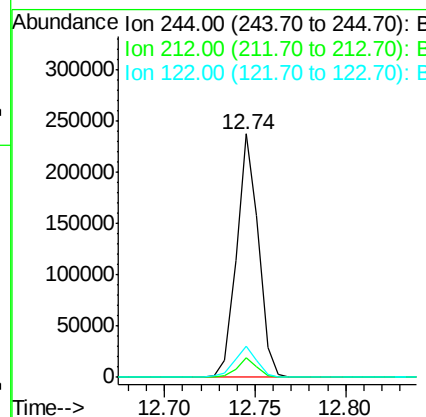
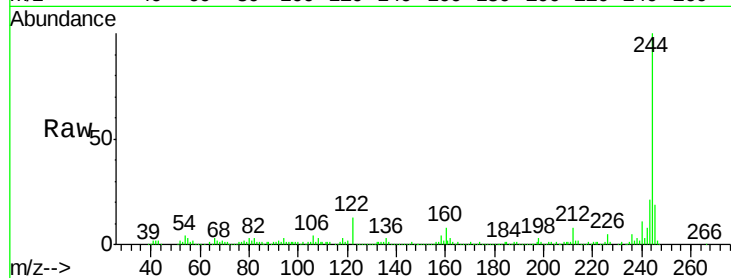
#78
 Terphenyl-d14
 Concen: 15.264 ng
 RT: 12.74 min Scan# 1812
 Delta R.T. -0.02 min
 Lab File: BF098583.D
 Acq: 15 Sep 2017 21:57

Instrument :
 BNA_F
 ClientSampleId :
 TR-04-091317

Tgt Ion	Ratio	Lower	Upper
244	100		
212	7.8	6.0	9.0
122	12.7	10.3	15.5

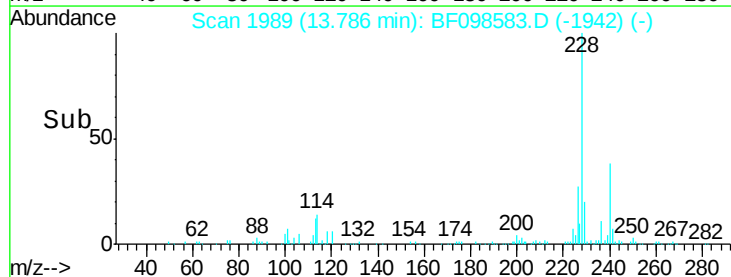
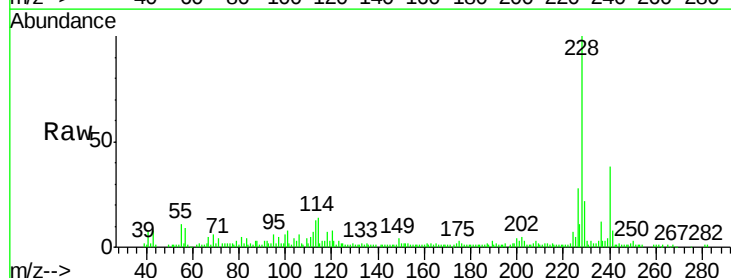
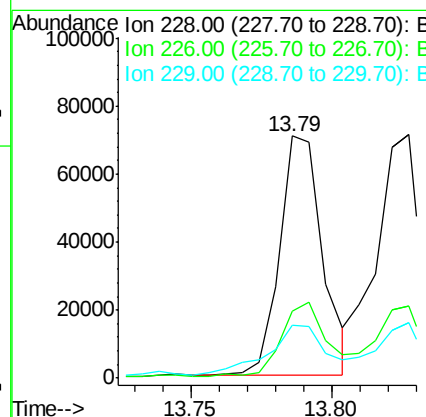
Manual Integrations
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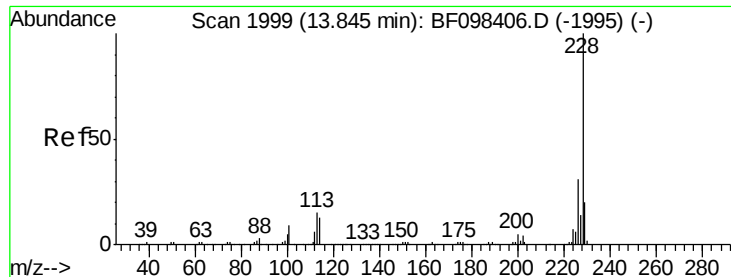
Sohil
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#80
 Benzo(a)anthracene
 Concen: 4.532 ng
 RT: 13.79 min Scan# 1989
 Delta R.T. -0.02 min
 Lab File: BF098583.D
 Acq: 15 Sep 2017 21:57

Tgt Ion	Ratio	Lower	Upper
228	100		
226	27.6	22.6	33.8
229	21.7	16.3	24.5





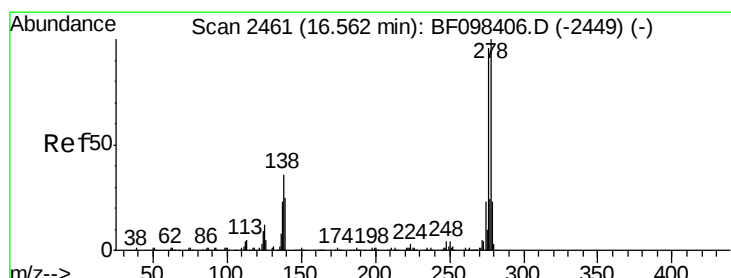
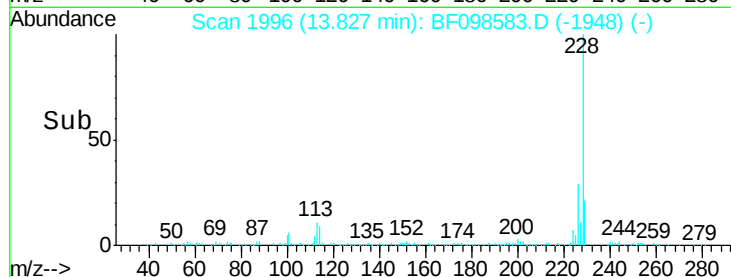
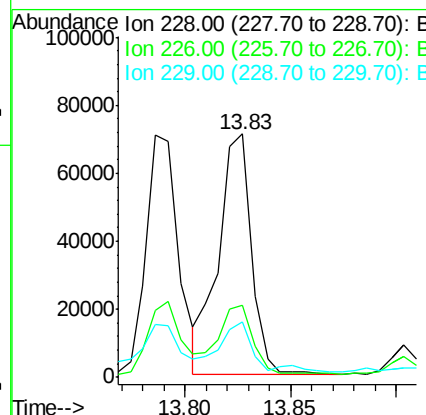
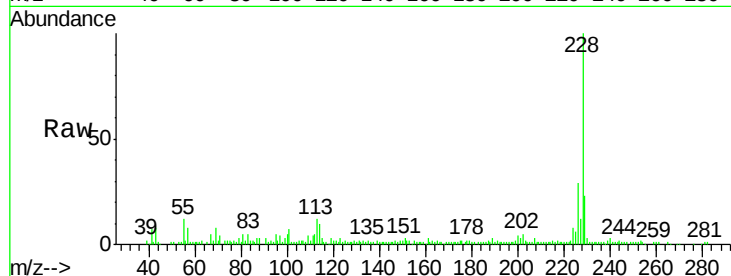
#82
Chrysene
Concen: 4.606 ng
RT: 13.83 min Scan# 1996
Delta R.T. -0.02 min
Lab File: BF098583.D
Acq: 15 Sep 2017 21:57

Instrument :
BNA_F
ClientSampleId :
TR-04-091317

Tgt Ion:	228	Resp:	76386
Ion Ratio	Lower	Upper	
228	100		
226	29.4	24.9	37.3
229	23.0	15.8	23.6

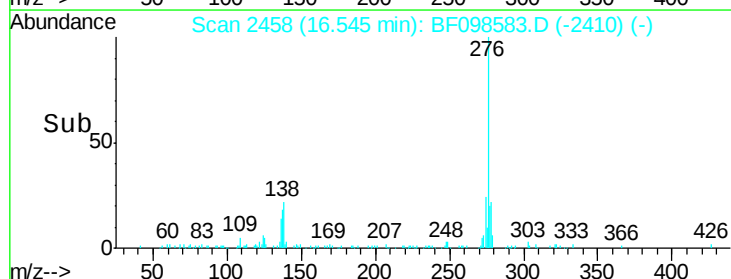
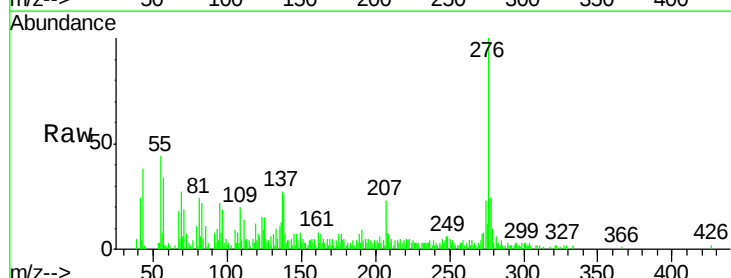
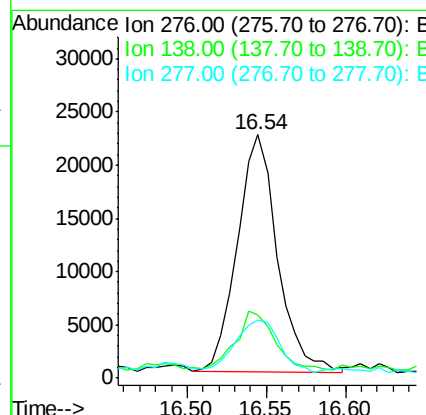
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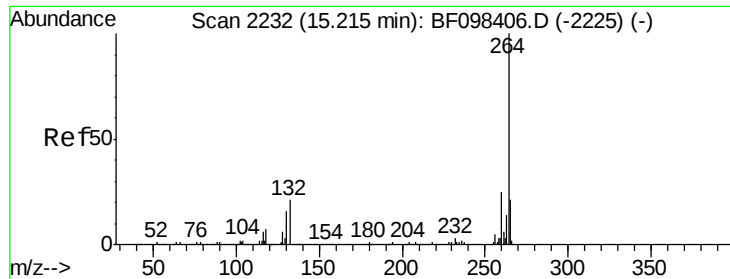
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#85
Indeno(1,2,3-cd)pyrene
Concen: 3.378 ng
RT: 16.54 min Scan# 2458
Delta R.T. -0.02 min
Lab File: BF098583.D
Acq: 15 Sep 2017 21:57

Tgt Ion:	276	Resp:	39301
Ion Ratio	Lower	Upper	
276	100		
138	24.2	27.8	41.6#
277	23.9	20.2	30.4





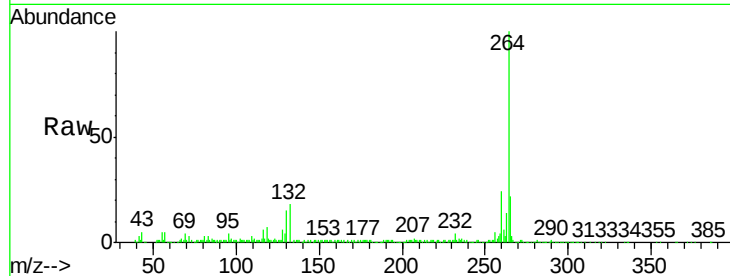
#86
Perylene-d12
Concen: 20.000 ng
RT: 15.20 min Scan# 2230
Delta R.T. -0.01 min
Lab File: BF098583.D
Acq: 15 Sep 2017 21:57

Instrument :
BNA_F
ClientSampleId :
TR-04-091317

Tgt Ion	Ratio	Resp	Lower	Upper
264	100	266729		
260	23.9		19.5	29.3
265	21.9		17.2	25.8

Manual Integrations
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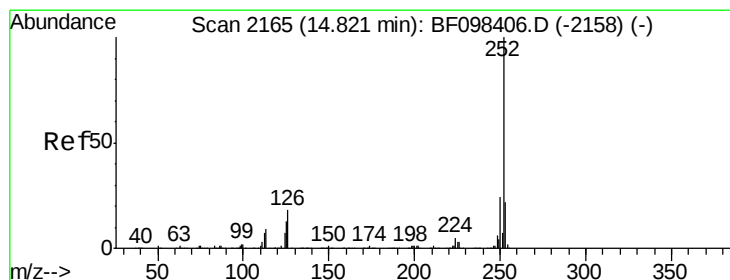
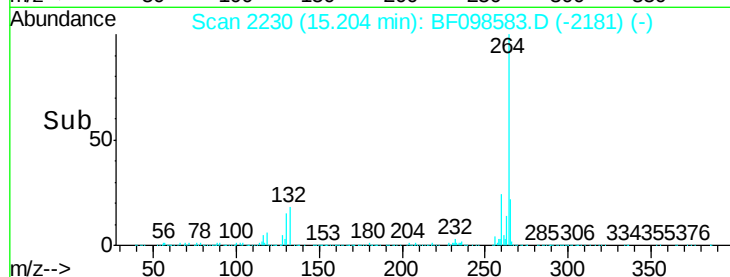
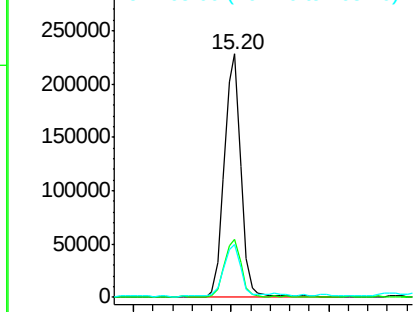


Abundance

Ion 264.00 (263.70 to 264.70): E

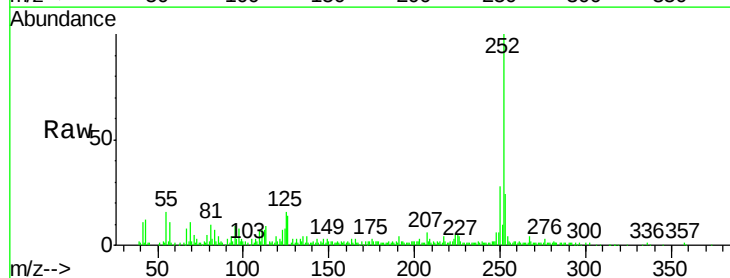
Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E



#87
Benzo(b)fluoranthene
Concen: 6.233 ng m
RT: 14.81 min Scan# 2163
Delta R.T. -0.01 min
Lab File: BF098583.D
Acq: 15 Sep 2017 21:57

Tgt Ion	Ratio	Resp	Lower	Upper
252	100	104538		
253	24.1		18.1	27.1
125	15.9		9.8	14.8#

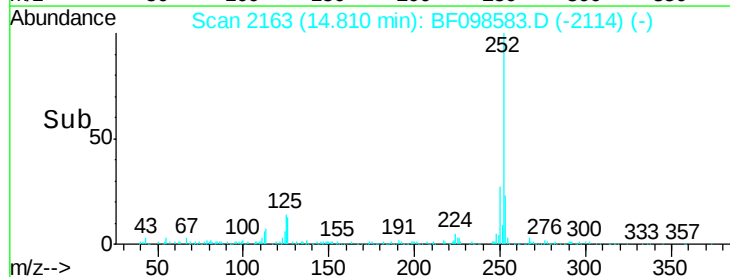
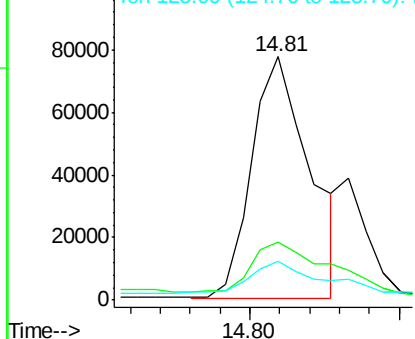


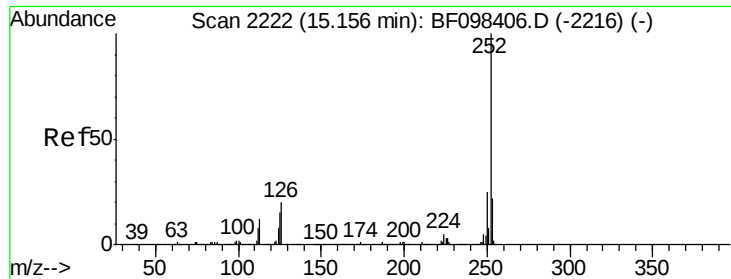
Abundance

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





#89

Benzo(a)pyrene

Concen: 4.882 ng

RT: 15.14 min Scan# 2220

Delta R.T. -0.01 min

Lab File: BF098583.D

Acq: 15 Sep 2017 21:57

Instrument :

BNA_F

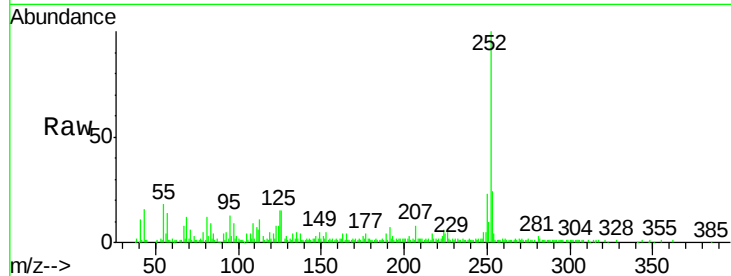
ClientSampleId :

TR-04-091317

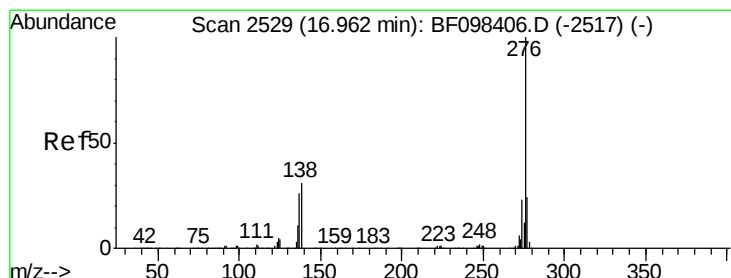
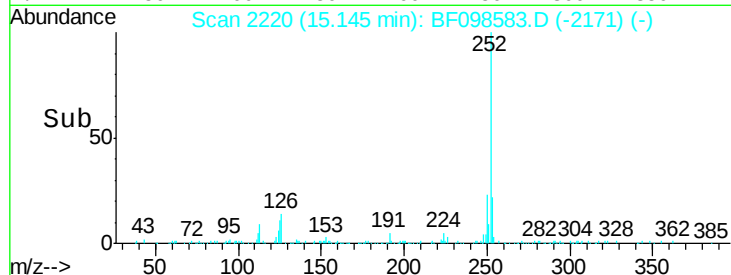
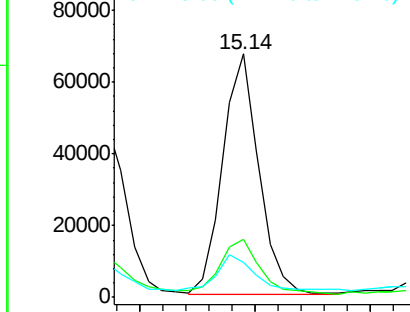
Tgt Ion:	252	Resp:	72939
Ion Ratio	Lower	Upper	
252	100		
253	23.8	17.5	26.3
125	14.6	11.0	16.4

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: 3.622 ng

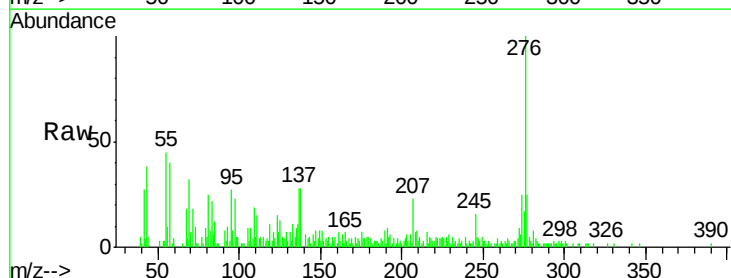
RT: 16.94 min Scan# 2526

Delta R.T. -0.02 min

Lab File: BF098583.D

Acq: 15 Sep 2017 21:57

Tgt Ion:	276	Resp:	39596
Ion Ratio	Lower	Upper	
276	100		
277	24.6	18.6	28.0
138	27.6	25.4	38.0



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

