

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA F\DATA\BF110717\
 Data File : BF100278.D
 Acq On : 7 Nov 2017 12:29
 Operator : SJ/JU
 Sample : I6257-01DL 200X
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 EPE-110-1(0-5)DL

Manual Integrations
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Quant Time: Nov 07 14:11:07 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF102317.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Nov 07 14:09:40 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.72	152	89579	20.00	ng	0.00
21) Naphthalene-d8	7.99	136	379956	20.00	ng	0.00
38) Acenaphthene-d10	9.75	164	180726	20.00	ng	0.00
63) Phenanthrene-d10	11.23	188	319833	20.00	ng	0.00
75) Chrysene-d12	13.89	240	192043	20.00	ng	0.00
86) Perylene-d12	15.33	264	152953	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.58	112	258	0.05	ng	0.25
7) Phenol-d6	6.55	99	2747	0.41	ng	0.18
23) Nitrobenzene-d5	7.40	82	1653	0.28	ng	0.11
41) 2,4,6-Tribromophenol	10.57	330	307	0.19	ng	0.03
44) 2-Fluorobiphenyl	9.08	172	5730	0.49	ng	0.01
78) Terphenyl-d14	12.82	244	5290	0.60	ng	0.00
Target Compounds						
70) Phenanthrene	11.26	178	254926	14.124	ng	97
71) Anthracene	11.32	178	91616	5.000	ng	99
74) Fluoranthene	12.45	202	594306	31.683	ng	99
77) Pyrene	12.68	202	481556	32.977	ng	98
80) Benzo(a)anthracene	13.87	228	138216	11.353	ng	98
82) Chrysene	13.92	228	111801	9.768	ng	99
85) Indeno(1,2,3-cd)pyrene	16.82	276	28064	2.671	ng	# 88
87) Benzo(b)fluoranthene	14.93	252	83314	8.626	ng	# 97
88) Benzo(k)fluoranthene	14.96	252	27989m	3.073	ng	
89) Benzo(a)pyrene	15.29	252	54048	6.230	ng	94
91) Benzo(g,h,i)perylene	17.26	276	24822	3.291	ng	97

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

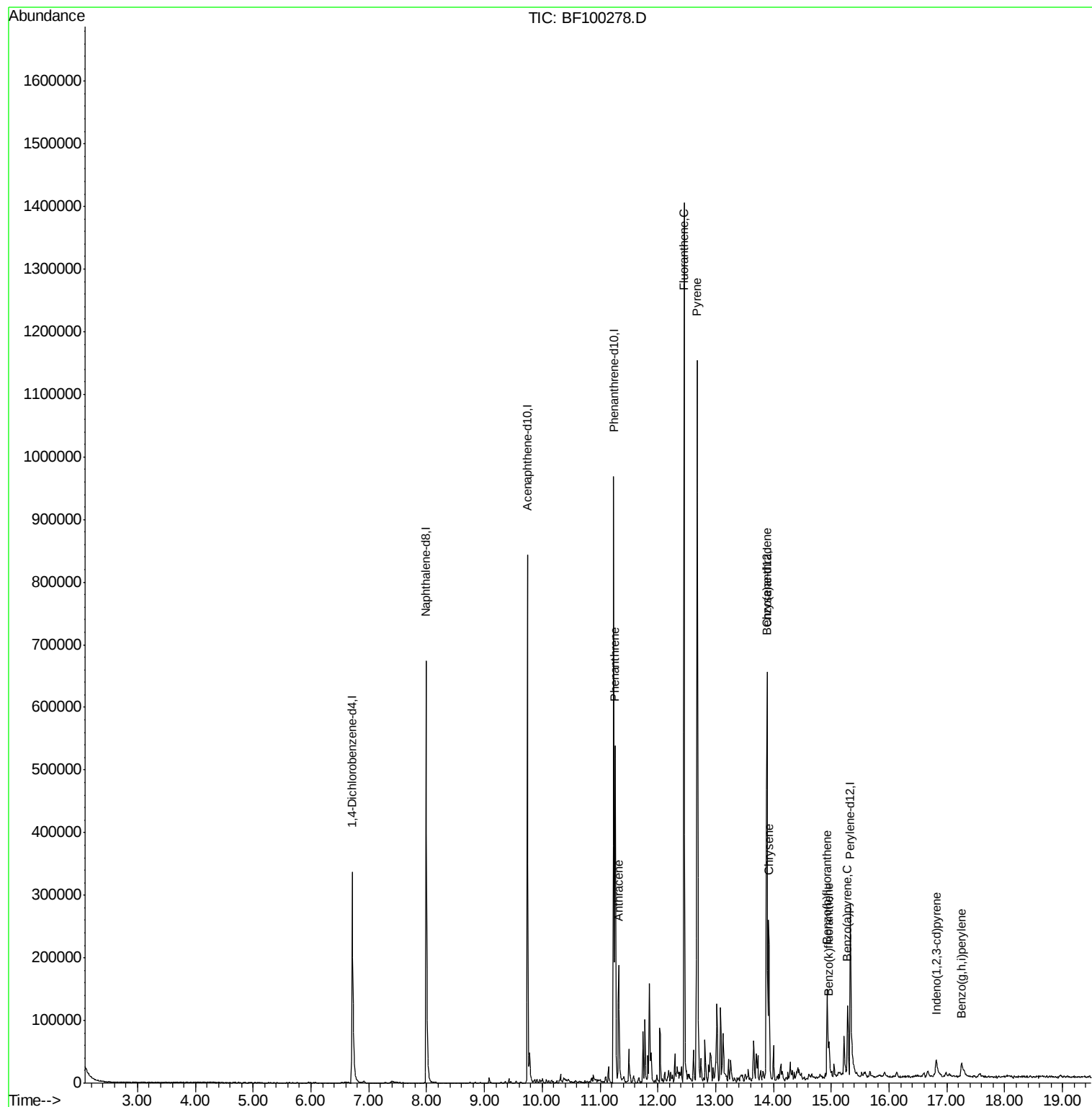
Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA F\DATA\BF110717\
Data File : BF100278.D
Acq On : 7 Nov 2017 12:29
Operator : SJ/JU
Sample : I6257-01DL 200X
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ALS Vial : 3 Sample Multiplier: 1

Instrument :
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EPE-110-1(0-5)DL

Manual Integrations
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Quant Time: Nov 07 14:11:07 2017
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF102317.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Nov 07 14:09:40 2017
Response via : Initial Calibration





#1

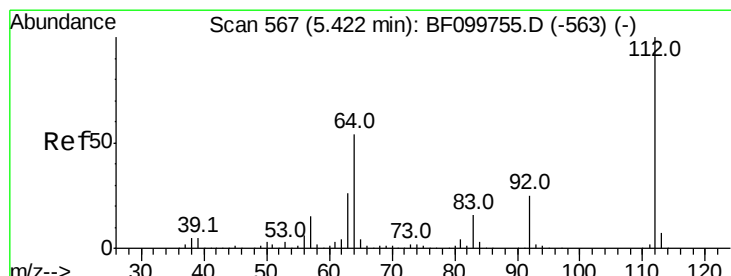
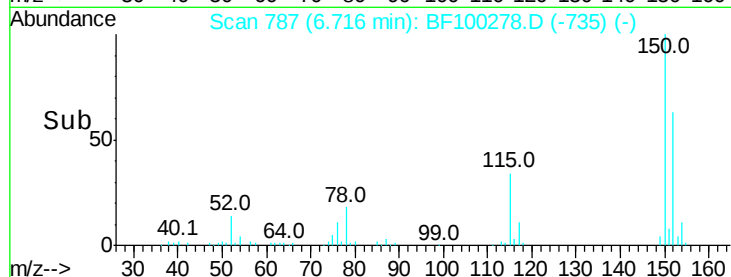
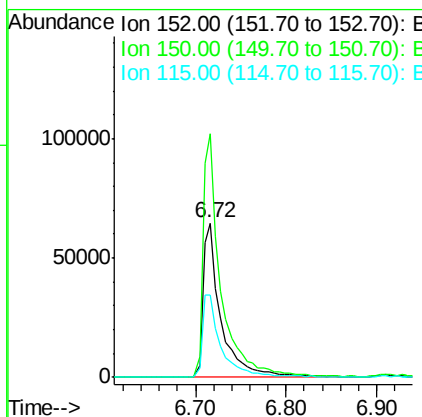
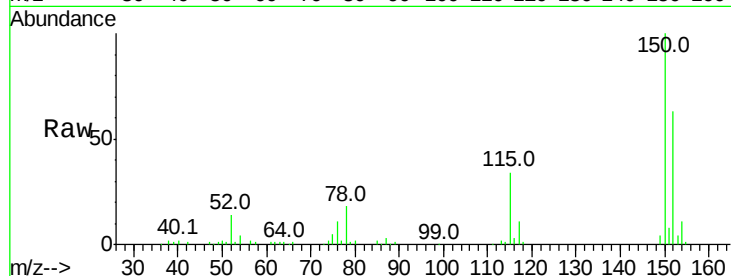
1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.72 min Scan# 787
 Delta R.T. 0.01 min
 Lab File: BF100278.D
 Acq: 7 Nov 2017 12:29

Instrument :
 BNA_F
 ClientSampleId :
 EPE-110-1(0-5)DL

Tot Ion	Ratio	Lower	Upper
152	100		
150	157.7	124.6	186.8
115	53.4	50.1	75.1

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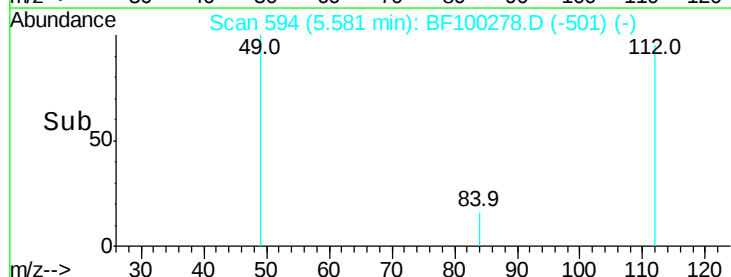
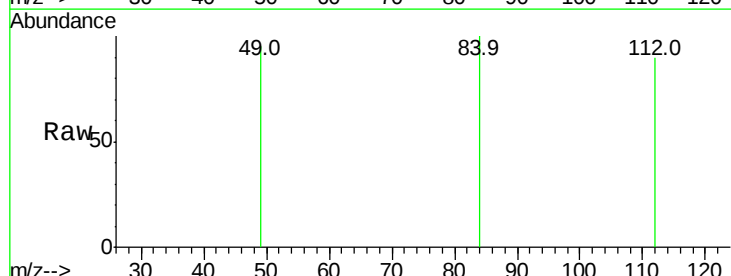
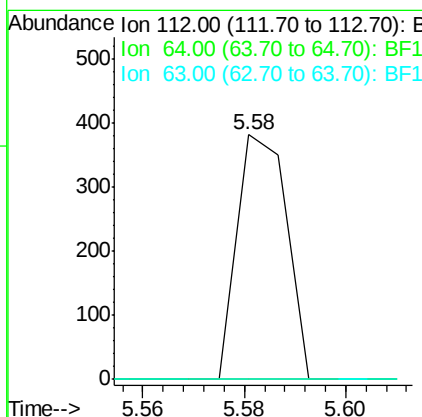
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#5

2-Fluorophenol
 Concen: 0.045 ng
 RT: 5.58 min Scan# 594
 Delta R.T. 0.25 min
 Lab File: BF100278.D
 Acq: 7 Nov 2017 12:29

Tgt Ion	Ratio	Lower	Upper
112	100		
64	0.0	47.9	71.9#
63	0.0	23.7	35.5#





#7

Phenol-d6

Concen: 0.406 ng

RT: 6.55 min Scan# 758

Delta R.T. 0.18 min

Lab File: BF100278.D

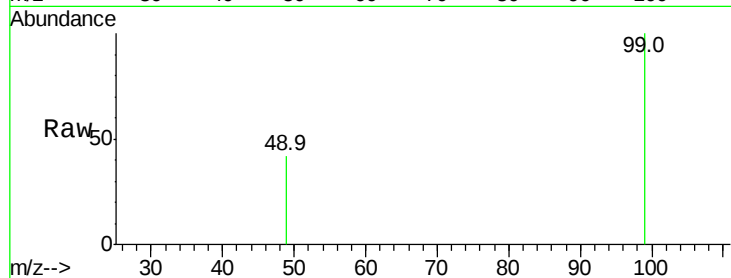
Acq: 7 Nov 2017 12:29

Instrument :

BNA_F

ClientSampleId :

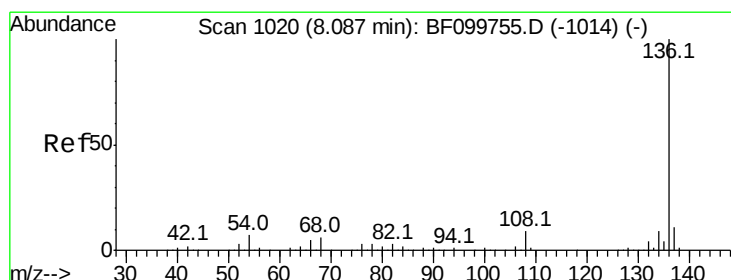
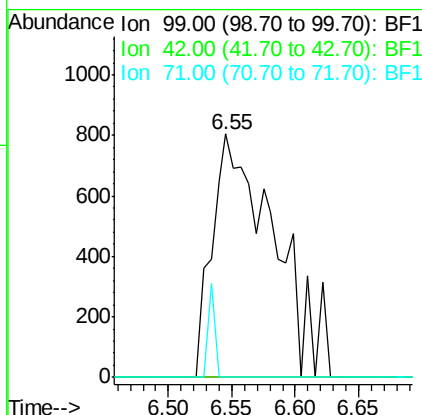
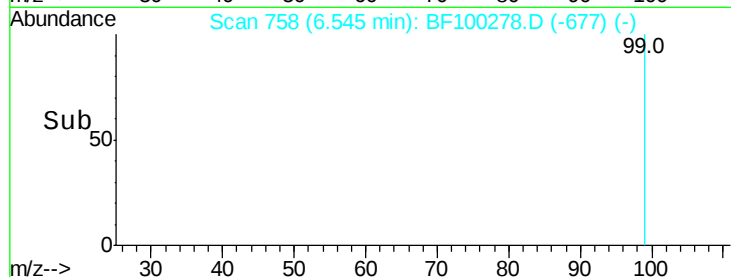
EPE-110-1(0-5)DL



Tot Ion:	99	Resp:	2747
Ion Ratio	Lower	Upper	
99	100		
42	0.0	14.5	21.7#
71	0.0	25.4	38.0#

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#21

Naphthalene-d8

Concen: 20.000 ng

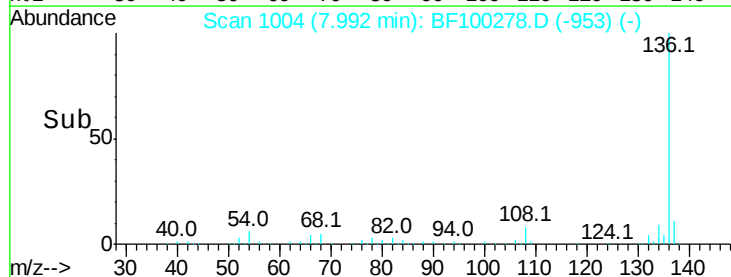
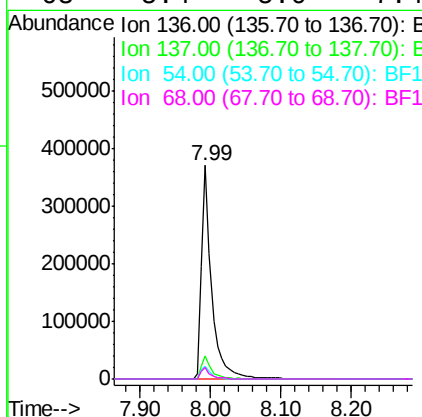
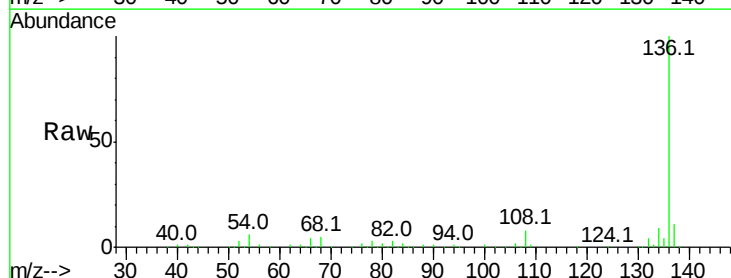
RT: 7.99 min Scan# 1004

Delta R.T. 0.00 min

Lab File: BF100278.D

Acq: 7 Nov 2017 12:29

Tgt Ion:	136	Resp:	379956
Ion Ratio	Lower	Upper	
136	100		
137	10.7	8.9	13.3
54	5.9	6.6	9.8#
68	5.4	5.0	7.4





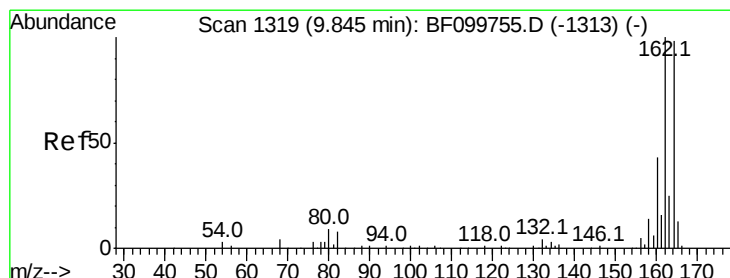
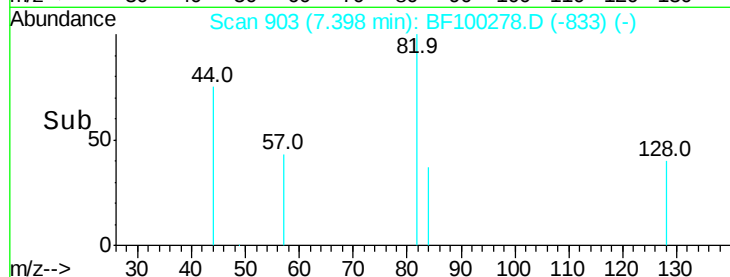
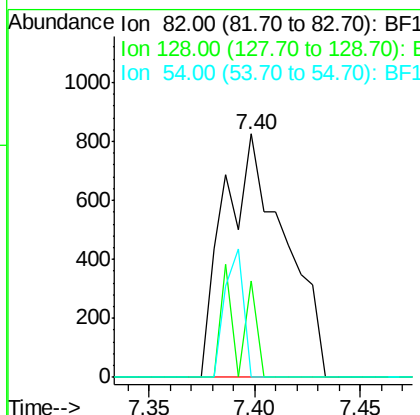
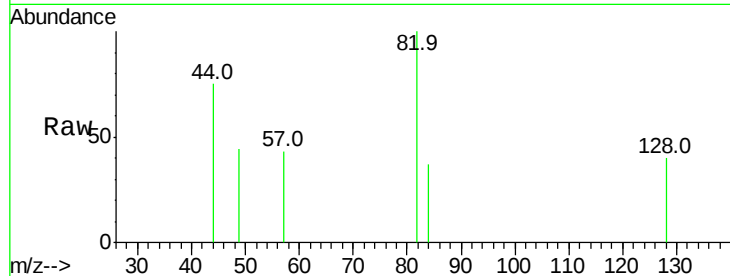
#23
 Nitrobenzene-d5
 Concen: 0.280 ng
 RT: 7.40 min Scan# 903
 Delta R.T. 0.11 min
 Lab File: BF100278.D
 Acq: 7 Nov 2017 12:29

Instrument :
 BNA_F
 ClientSampleId :
 EPE-110-1(0-5)DL

Tot Ion	Ratio	Lower	Upper
82	100		
128	39.6	36.1	54.1
54	0.0	41.4	62.2#

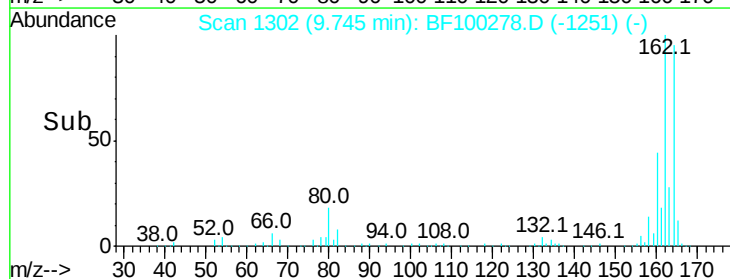
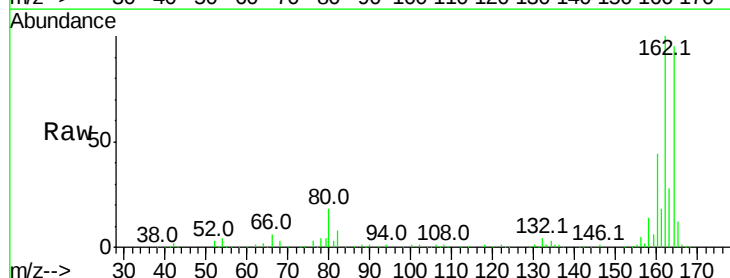
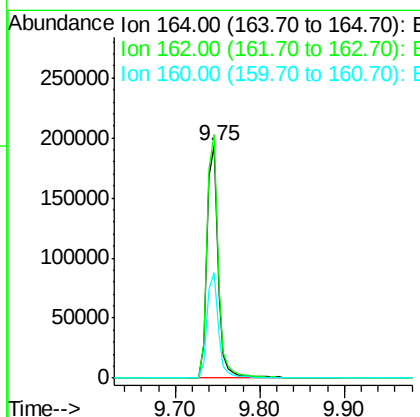
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#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.75 min Scan# 1302
 Delta R.T. 0.00 min
 Lab File: BF100278.D
 Acq: 7 Nov 2017 12:29

Tgt Ion	Ratio	Lower	Upper
164	100		
162	104.8	86.1	129.1
160	45.6	38.3	57.5





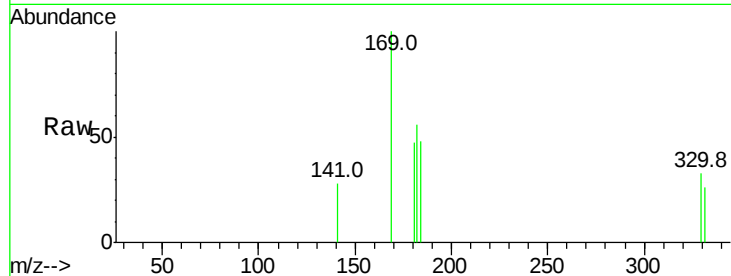
#41
 2,4,6-Tribromophenol
 Concen: 0.186 ng
 RT: 10.57 min Scan# 1443
 Delta R.T. 0.03 min
 Lab File: BF100278.D
 Acq: 7 Nov 2017 12:29

Instrument :
 BNA_F
 ClientSampleId :
 EPE-110-1(0-5)DL

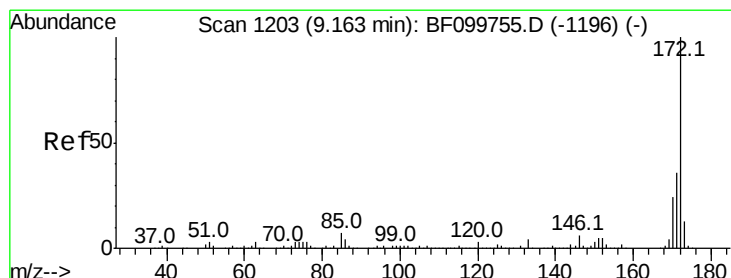
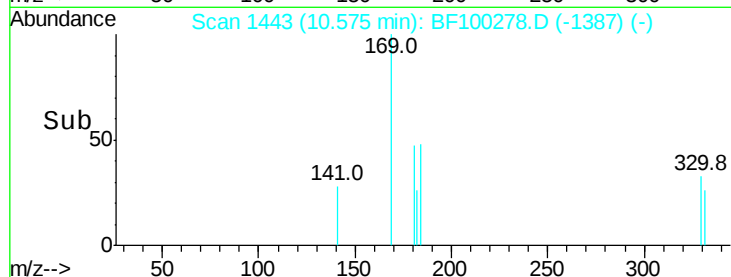
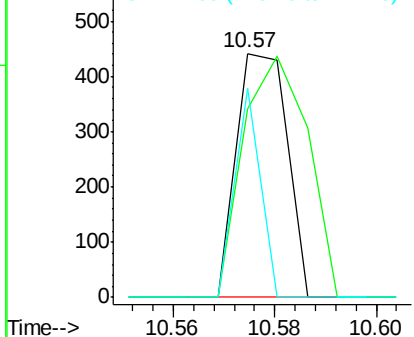
Tot Ion	Ratio	Lower	Upper
330	100		
332	124.4	77.0	115.6#
141	43.3	29.9	44.9

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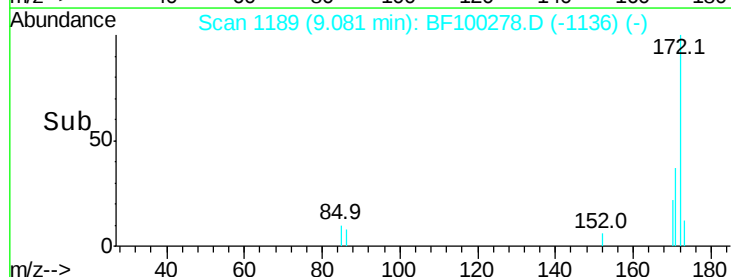
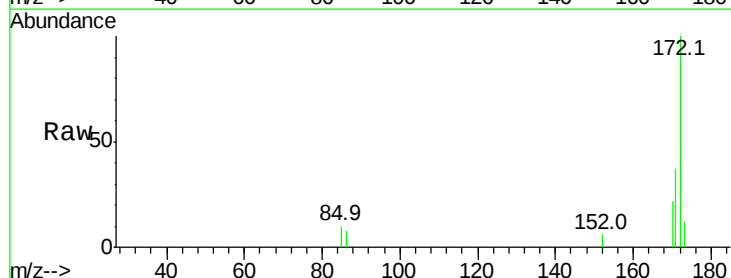
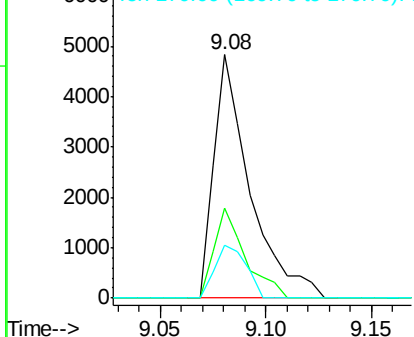
Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

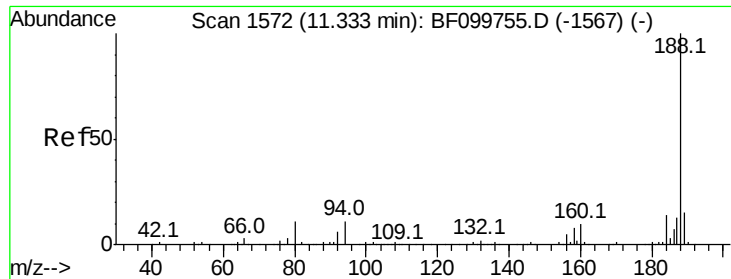


#44
 2-Fluorobiphenyl
 Concen: 0.489 ng
 RT: 9.08 min Scan# 1189
 Delta R.T. 0.01 min
 Lab File: BF100278.D
 Acq: 7 Nov 2017 12:29

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.8	29.7	44.5
170	21.6	19.6	29.4

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





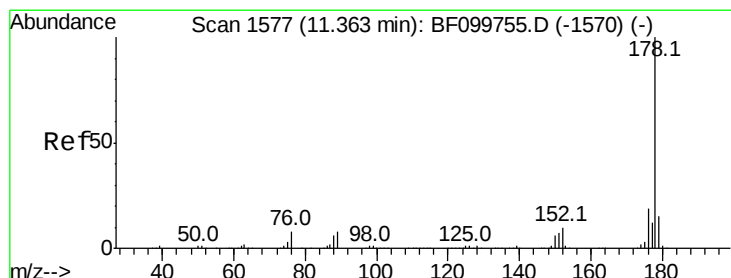
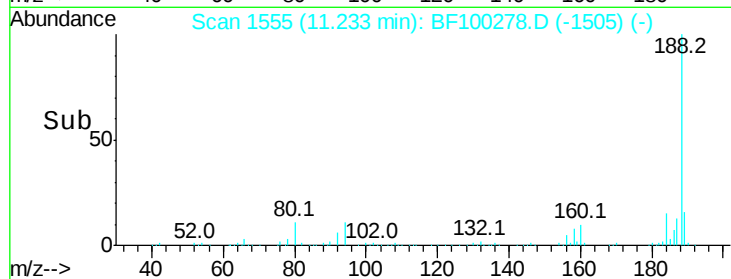
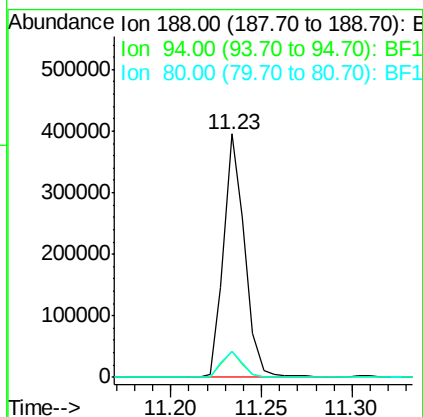
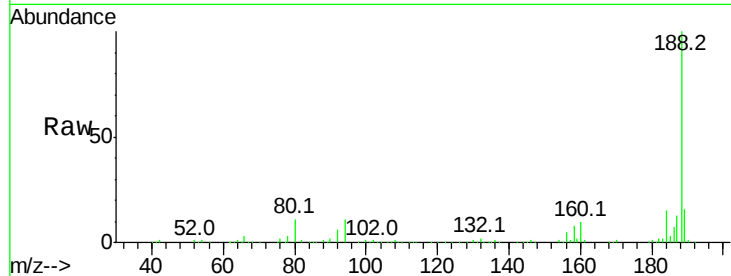
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.23 min Scan# 1555
Delta R.T. -0.01 min
Lab File: BF100278.D
Acq: 7 Nov 2017 12:29

Instrument :
BNA_F
ClientSampleId :
EPE-110-1(0-5)DL

Tot Ion	Ratio	Resp	Lower	Upper
188	100	319833		
94	10.5		8.5	12.7
80	10.9		9.2	13.8

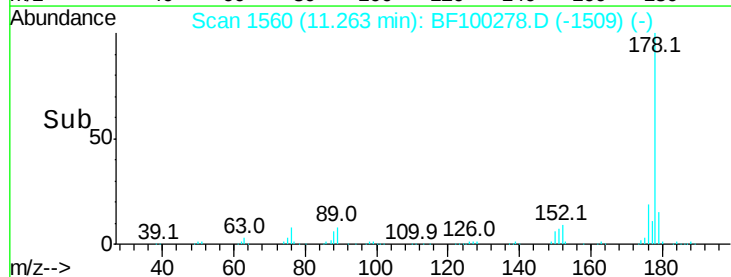
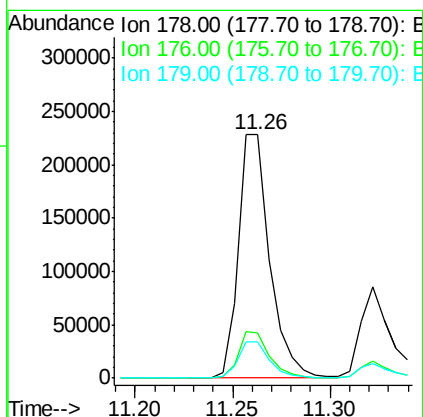
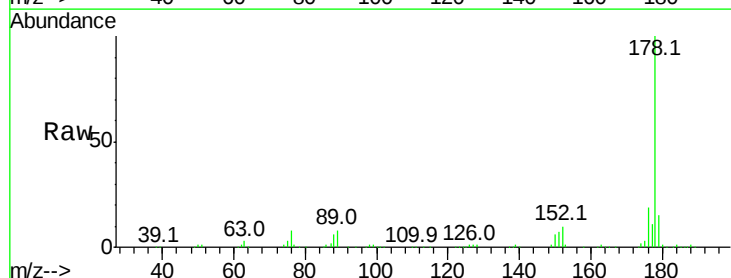
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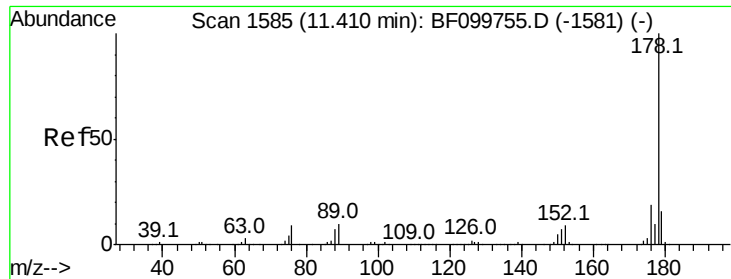
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#70
Phenanthrene
Concen: 14.124 ng
RT: 11.26 min Scan# 1560
Delta R.T. 0.00 min
Lab File: BF100278.D
Acq: 7 Nov 2017 12:29

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	254926		
176	18.8		15.8	23.8
179	14.9		13.0	19.6





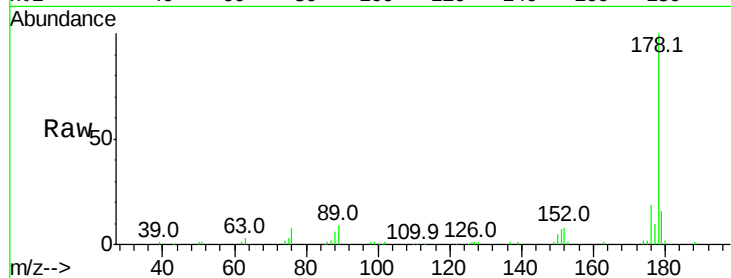
#71
 Anthracene
 Concen: 5.000 ng
 RT: 11.32 min Scan# 1570
 Delta R.T. 0.01 min
 Lab File: BF100278.D
 Acq: 7 Nov 2017 12:29

Instrument :
 BNA_F
 ClientSampleId :
 EPE-110-1(0-5)DL

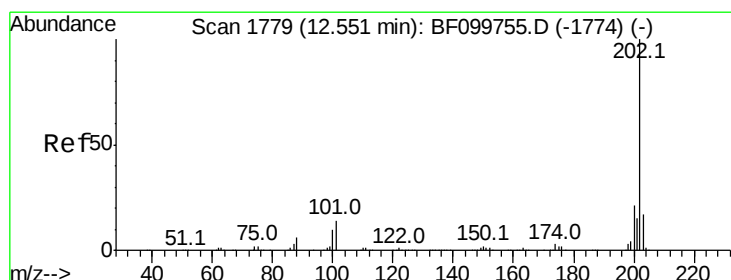
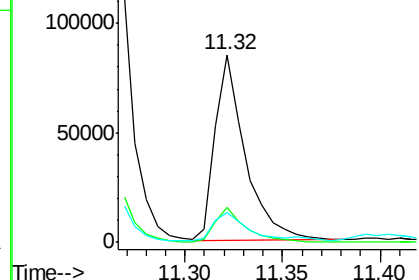
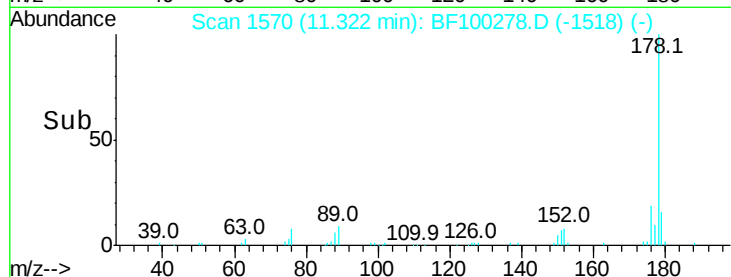
Tot Ion	Ratio	Lower	Upper
178	100		
176	18.6	15.4	23.2
179	16.1	12.6	19.0

Manual Integrations
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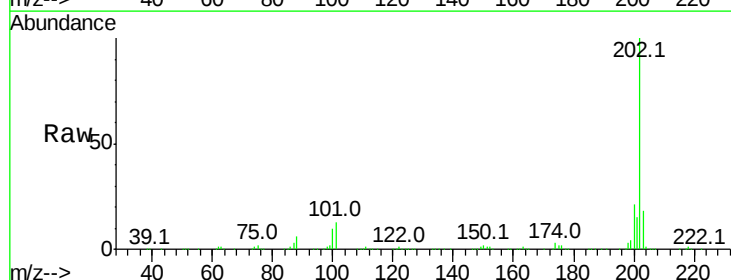


Abundance Ion 178.00 (177.70 to 178.70): E
 150000 Ion 176.00 (175.70 to 176.70): E
 100000 Ion 179.00 (178.70 to 179.70): E

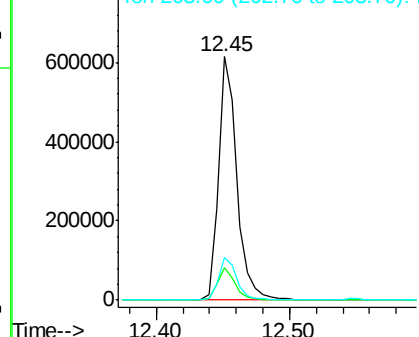
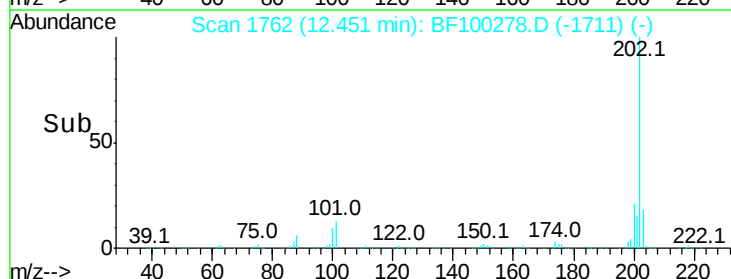


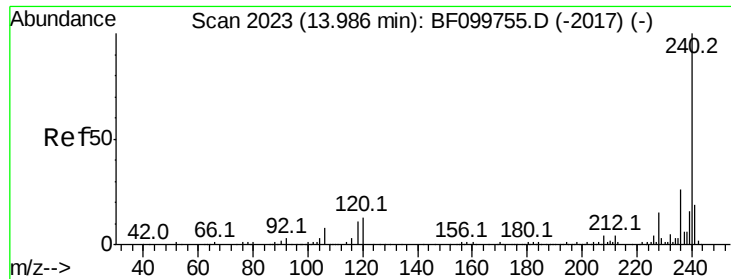
#74
 Fluoranthene
 Concen: 31.683 ng
 RT: 12.45 min Scan# 1762
 Delta R.T. 0.00 min
 Lab File: BF100278.D
 Acq: 7 Nov 2017 12:29

Tgt Ion	Ratio	Lower	Upper
202	100		
101	13.4	0.0	34.1
203	17.6	0.0	38.1



Abundance Ion 202.00 (201.70 to 202.70): E
 800000 Ion 101.00 (100.70 to 101.70): E
 600000 Ion 203.00 (202.70 to 203.70): E





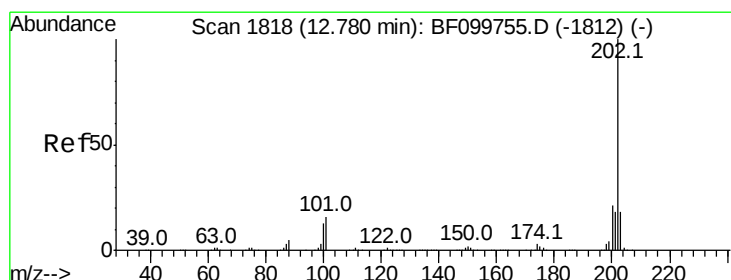
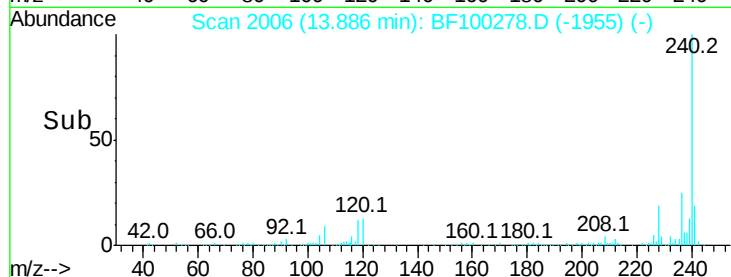
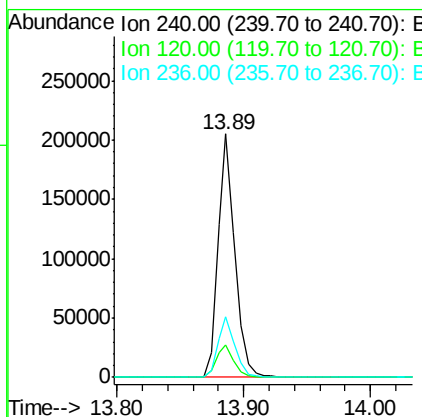
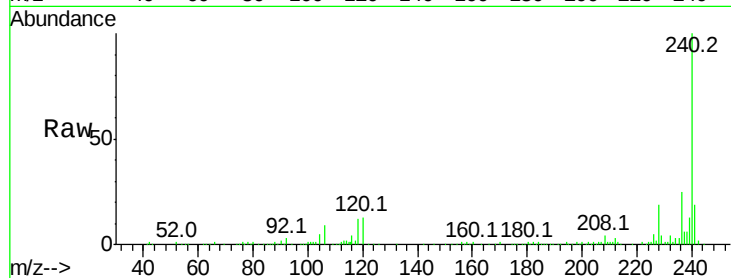
#75
Chrysene-d12
Concen: 20.000 ng
RT: 13.89 min Scan# 2006
Delta R.T. 0.00 min
Lab File: BF100278.D
Acq: 7 Nov 2017 12:29

Instrument :
BNA_F
ClientSampleId :
EPE-110-1(0-5)DL

Tot Ion	Ratio	Lower	Upper
240	100		
120	13.3	9.5	14.3
236	24.8	20.7	31.1

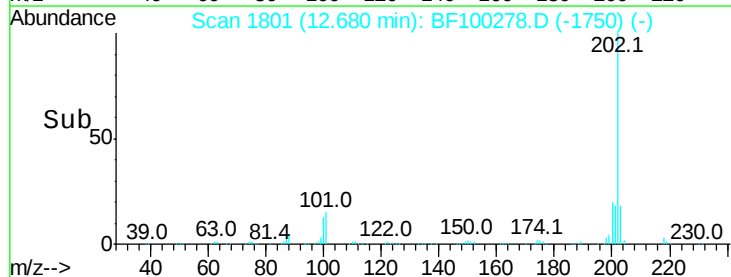
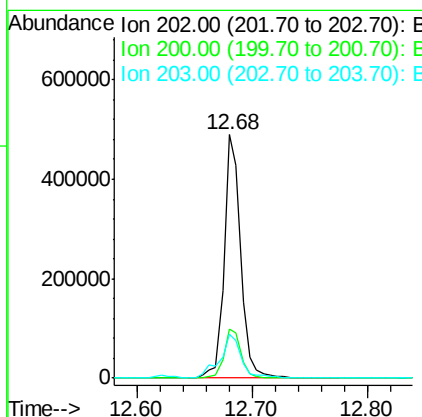
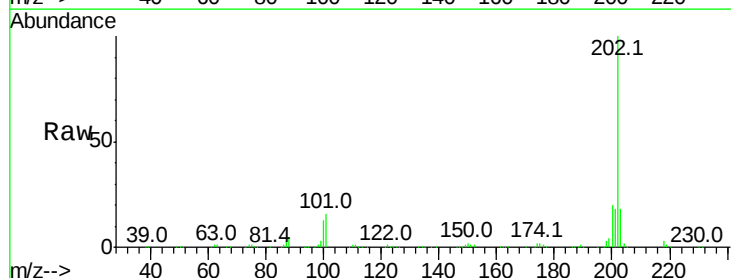
Manual Integrations
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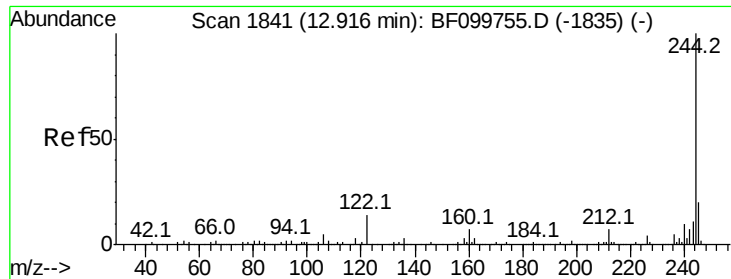
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#77
Pyrene
Concen: 32.977 ng
RT: 12.68 min Scan# 1801
Delta R.T. 0.00 min
Lab File: BF100278.D
Acq: 7 Nov 2017 12:29

Tgt Ion	Ratio	Lower	Upper
202	100		
200	20.4	17.4	26.2
203	18.1	14.3	21.5





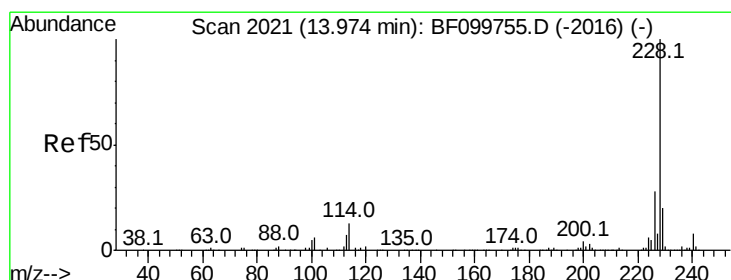
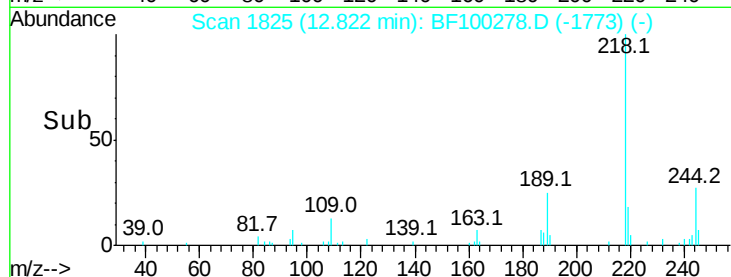
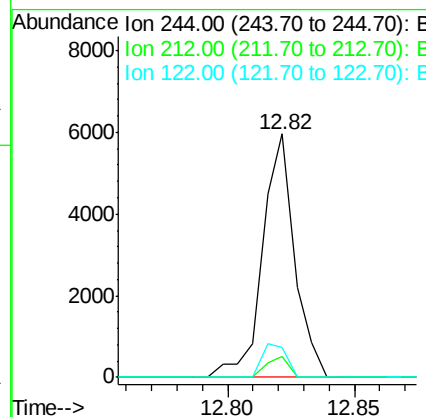
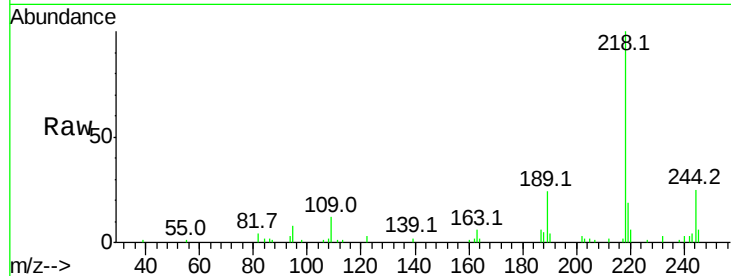
#78
 Terphenyl-d14
 Concen: 0.602 ng
 RT: 12.82 min Scan# 1825
 Delta R.T. 0.01 min
 Lab File: BF100278.D
 Acq: 7 Nov 2017 12:29

Instrument :
 BNA_F
 ClientSampleId :
 EPE-110-1(0-5)DL

Tot Ion	Ratio	Lower	Upper
244	100		
212	8.6	5.4	8.0#
122	12.1	11.0	16.4

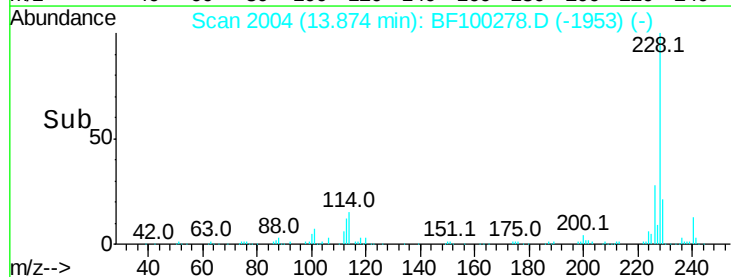
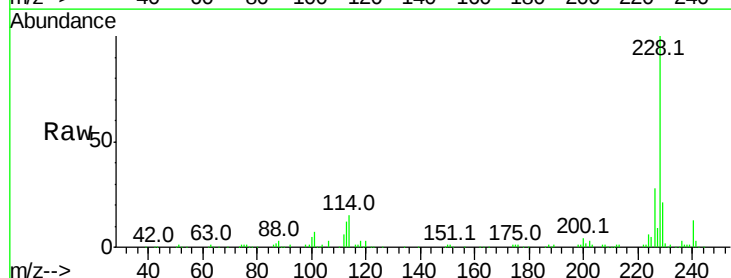
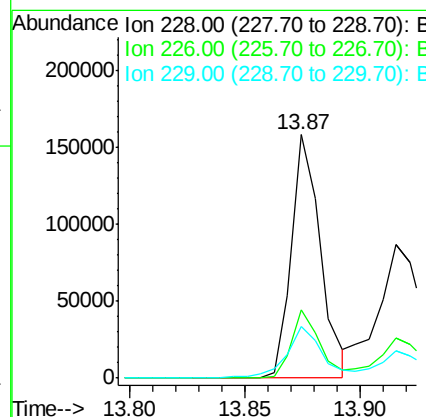
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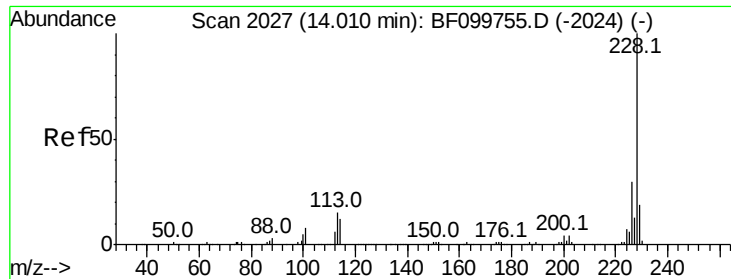
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#80
 Benzo(a)anthracene
 Concen: 11.353 ng
 RT: 13.87 min Scan# 2004
 Delta R.T. 0.00 min
 Lab File: BF100278.D
 Acq: 7 Nov 2017 12:29

Tgt Ion	Ratio	Lower	Upper
228	100		
226	27.8	22.6	33.8
229	21.0	15.8	23.6





#82

Chrysene

Concen: 9.768 ng

RT: 13.92 min Scan# 2011

Delta R.T. 0.00 min

Lab File: BF100278.D

Acq: 7 Nov 2017 12:29

Instrument :

BNA_F

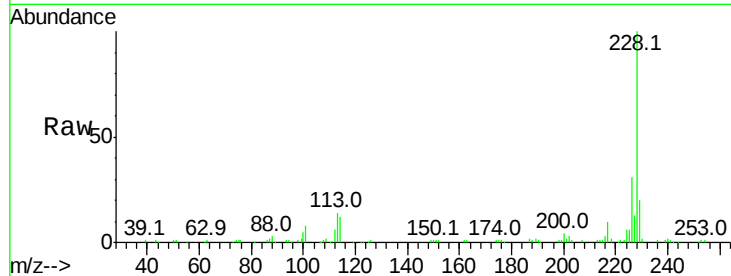
ClientSampled :

EPE-110-1(0-5)DL

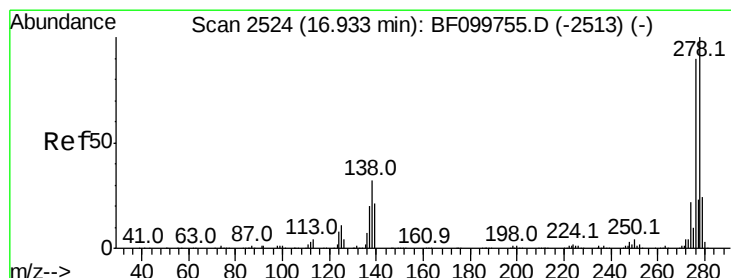
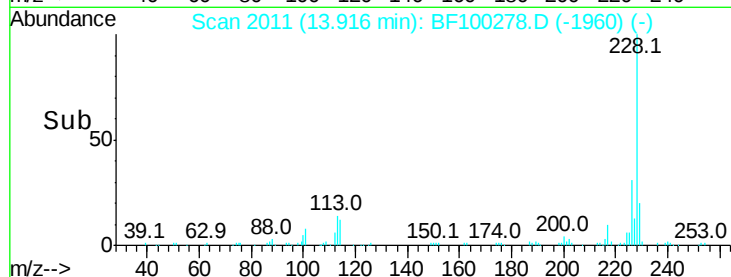
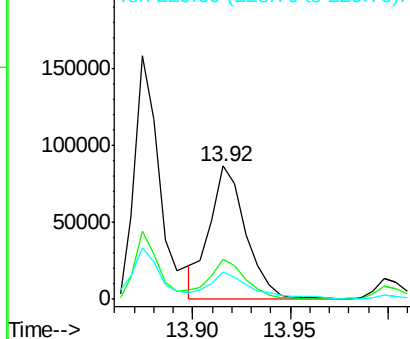
Tot Ion:	228	Resp:	111801
Ion Ratio	Lower	Upper	
228	100		
226	30.6	25.0	37.6
229	20.2	16.2	24.4

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Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E



#85

Indeno(1,2,3-cd)pyrene

Concen: 2.671 ng

RT: 16.82 min Scan# 2504

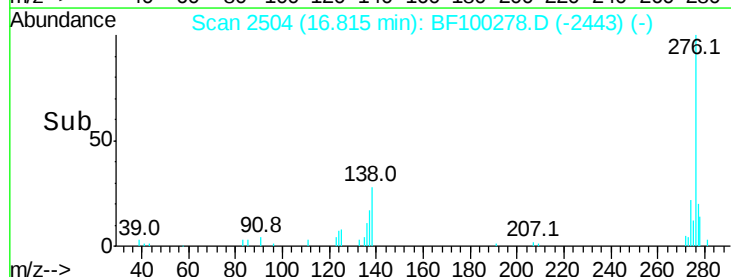
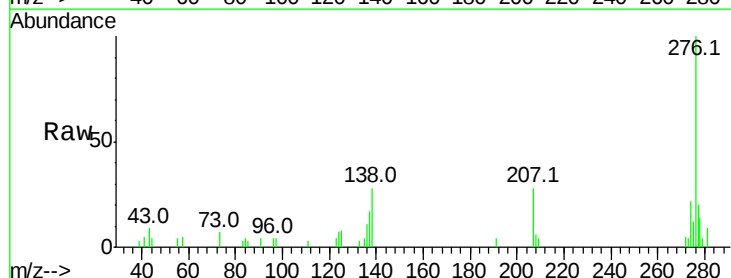
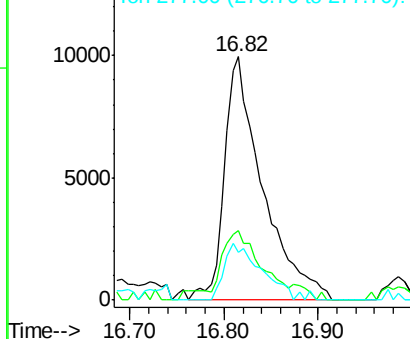
Delta R.T. 0.06 min

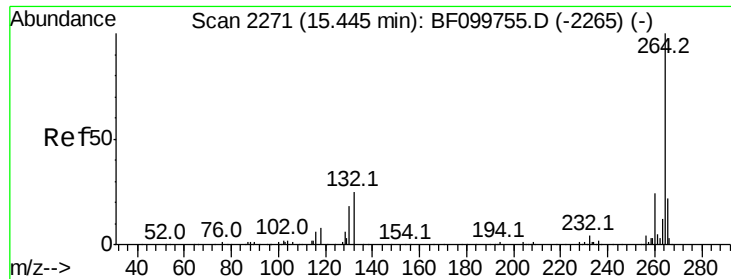
Lab File: BF100278.D

Acq: 7 Nov 2017 12:29

Tgt Ion:	276	Resp:	28064
Ion Ratio	Lower	Upper	
276	100		
138	21.9	25.0	37.6#
277	22.5	20.1	30.1

Abundance Ion 276.00 (275.70 to 276.70): E
Ion 138.00 (137.70 to 138.70): E
Ion 277.00 (276.70 to 277.70): E





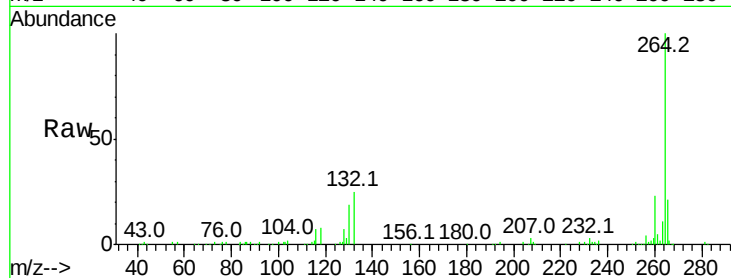
#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.33 min Scan# 2251
Delta R.T. -0.01 min
Lab File: BF100278.D
Acq: 7 Nov 2017 12:29

Instrument :
BNA_F
ClientSampleId :
EPE-110-1(0-5)DL

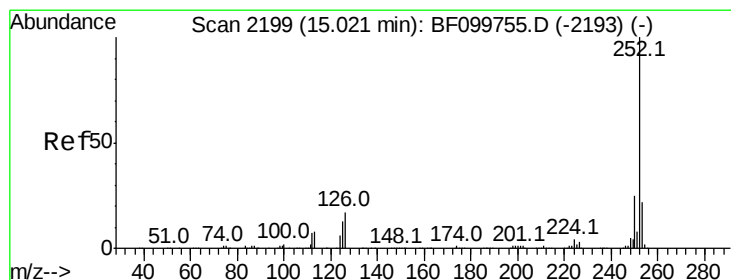
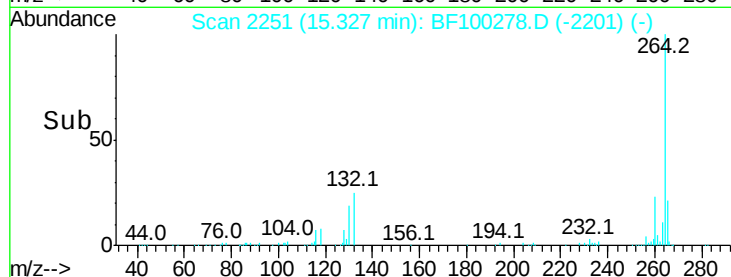
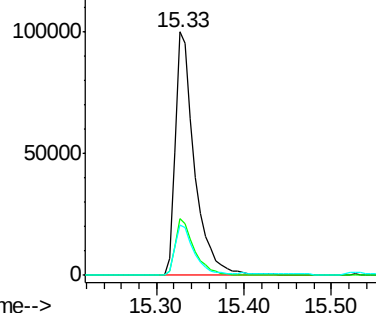
Tot Ion	Ratio	Lower	Upper
264	100		
260	23.2	19.2	28.8
265	20.6	17.5	26.3

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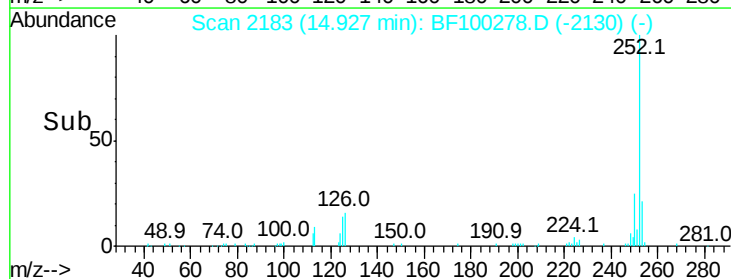
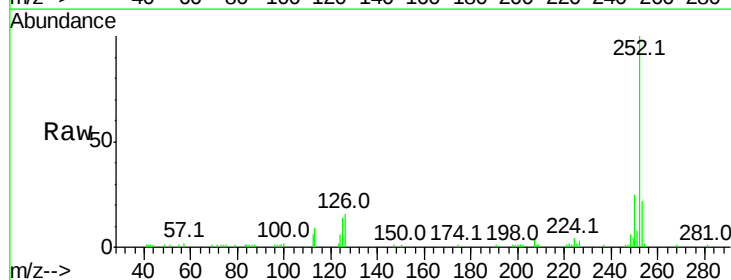
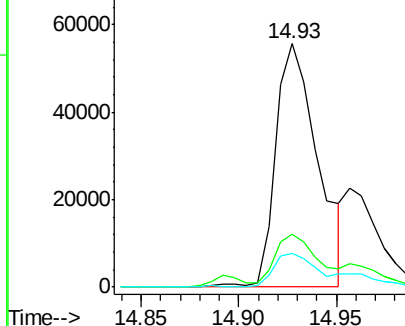
Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E

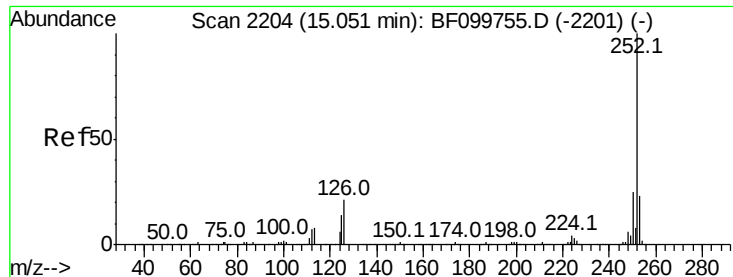


#87
Benzo(b)fluoranthene
Concen: 8.626 ng
RT: 14.93 min Scan# 2183
Delta R.T. 0.01 min
Lab File: BF100278.D
Acq: 7 Nov 2017 12:29

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.0	17.0	25.6
125	13.7	9.0	13.6#

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





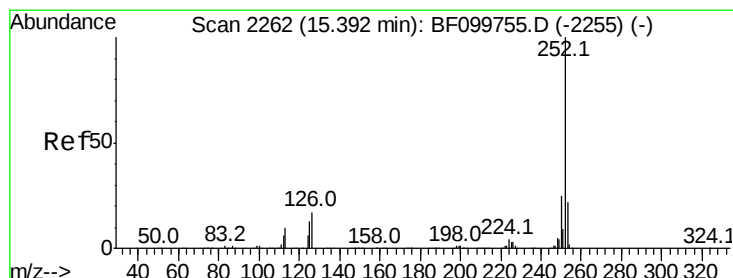
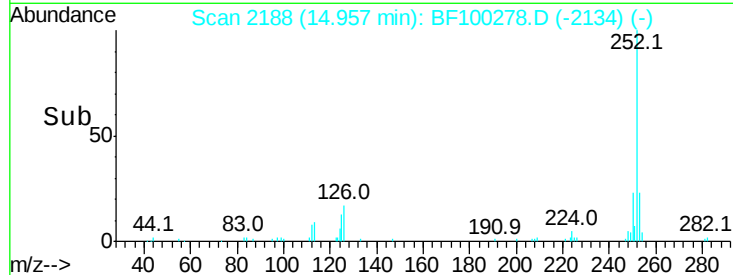
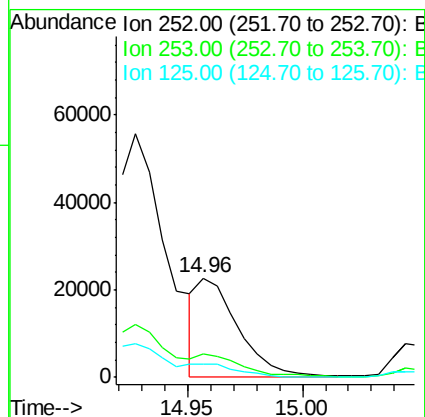
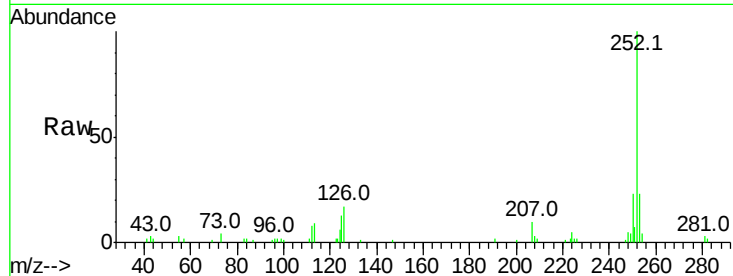
#88
Benzo(k)fluoranthene
Concen: 3.073 ng m
RT: 14.96 min Scan# 2188
Delta R.T. 0.02 min
Lab File: BF100278.D
Acq: 7 Nov 2017 12:29

Instrument :
BNA_F
ClientSampleId :
EPE-110-1(0-5)DL

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.4	17.9	26.9
125	12.7	10.2	15.2

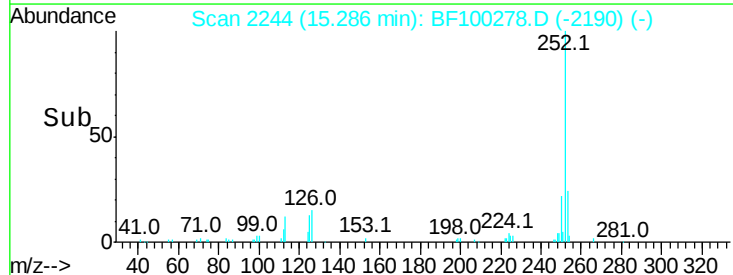
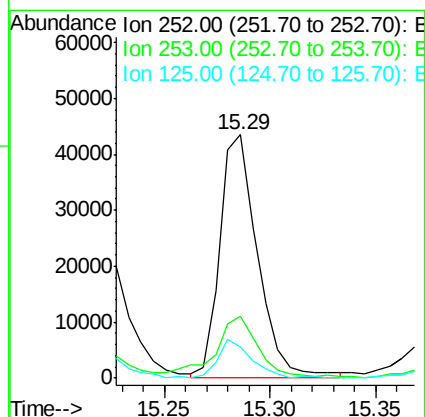
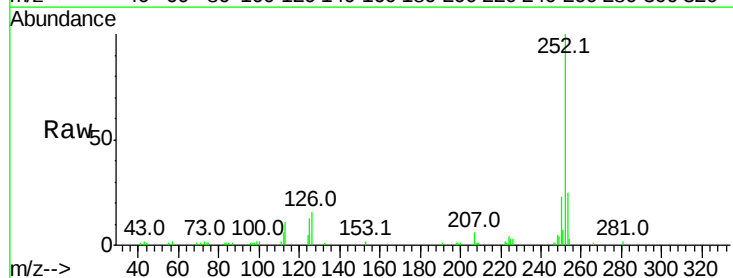
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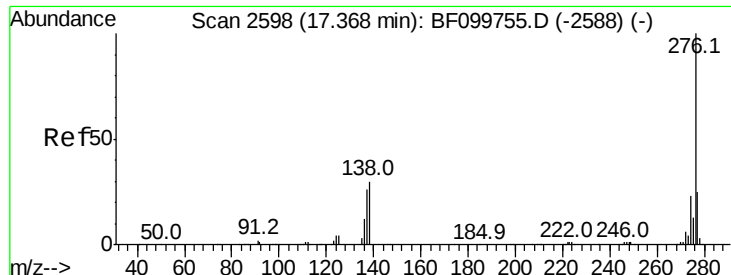
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#89
Benzo(a)pyrene
Concen: 6.230 ng
RT: 15.29 min Scan# 2244
Delta R.T. 0.02 min
Lab File: BF100278.D
Acq: 7 Nov 2017 12:29

Tgt Ion	Ratio	Lower	Upper
252	100		
253	25.3	17.1	25.7
125	13.0	9.8	14.6





#91
 Benzo(a,h,i)perylene
 Concen: 3.291 ng
 RT: 17.26 min Scan# 2579
 Delta R.T. 0.06 min
 Lab File: BF100278.D
 Acq: 7 Nov 2017 12:29

Instrument :
 BNA_F
 ClientSampled :
 EPE-110-1(0-5)DL

Tot Ion	Ratio	Lower	Upper
276	100		
277	24.8	17.9	26.9
138	27.0	21.8	32.8

Manual Integrations
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