

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF121418\
 Data File : BF111425.D
 Acq On : 14 Dec 2018 18:12
 Operator : JU/SJ
 Sample : J6319-10DL 10X
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 064_SW-E-2DL

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Quant Time: Dec 14 18:41:46 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF121418.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Dec 14 13:26:17 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.79	152	174460	20.00	ng	0.00
21) Naphthalene-d8	8.07	136	693674	20.00	ng	0.00
39) Acenaphthene-d10	9.83	164	306638	20.00	ng	0.00
64) Phenanthrene-d10	11.31	188	460463	20.00	ng	0.00
76) Chrysene-d12	13.95	240	355973	20.00	ng	0.00
87) Perylene-d12	15.40	264	295333	20.00	ng	0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.41	112	94707	9.03	ng	0.00
7) Phenol-d6	6.43	99	126744	9.09	ng	-0.01
23) Nitrobenzene-d5	7.35	82	71813	6.16	ng	-0.01
42) 2,4,6-Tribromophenol	10.62	330	19354	7.05	ng	0.00
45) 2-Fluorobiphenyl	9.15	172	115064	5.80	ng	0.00
79) Terphenyl-d14	12.89	244	73210	4.83	ng	0.00

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
52) Acenaphthene	9.86	154	47627	2.570	ng	90
58) Fluorene	10.37	166	84816	4.348	ng	95
71) Phenanthrene	11.34	178	723014	30.472	ng	94
72) Anthracene	11.39	178	165015	6.801	ng	95
73) Carbazole	11.54	167	60857	2.425	ng	98
75) Fluoranthene	12.53	202	1260339	54.297	ng	97
78) Pyrene	12.76	202	1151374	45.876	ng	96
81) Benzo(a)anthracene	13.94	228	639007	33.014	ng	99
83) Chrysene	13.98	228	635273	31.156	ng	97
86) Indeno(1,2,3-cd)pyrene	16.81	276	229918	15.624	ng	# 90
88) Benzo(b)fluoranthene	14.99	252	715758m	41.570	ng	
89) Benzo(k)fluoranthene	15.00	252	271067m	16.476	ng	
90) Benzo(a)pyrene	15.33	252	489396	31.519	ng	98
91) Dibenzo(a,h)anthracene	16.82	278	61711	5.038	ng	93
92) Benzo(a,h,i)perylene	17.23	276	208128	17.311	ng	94

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

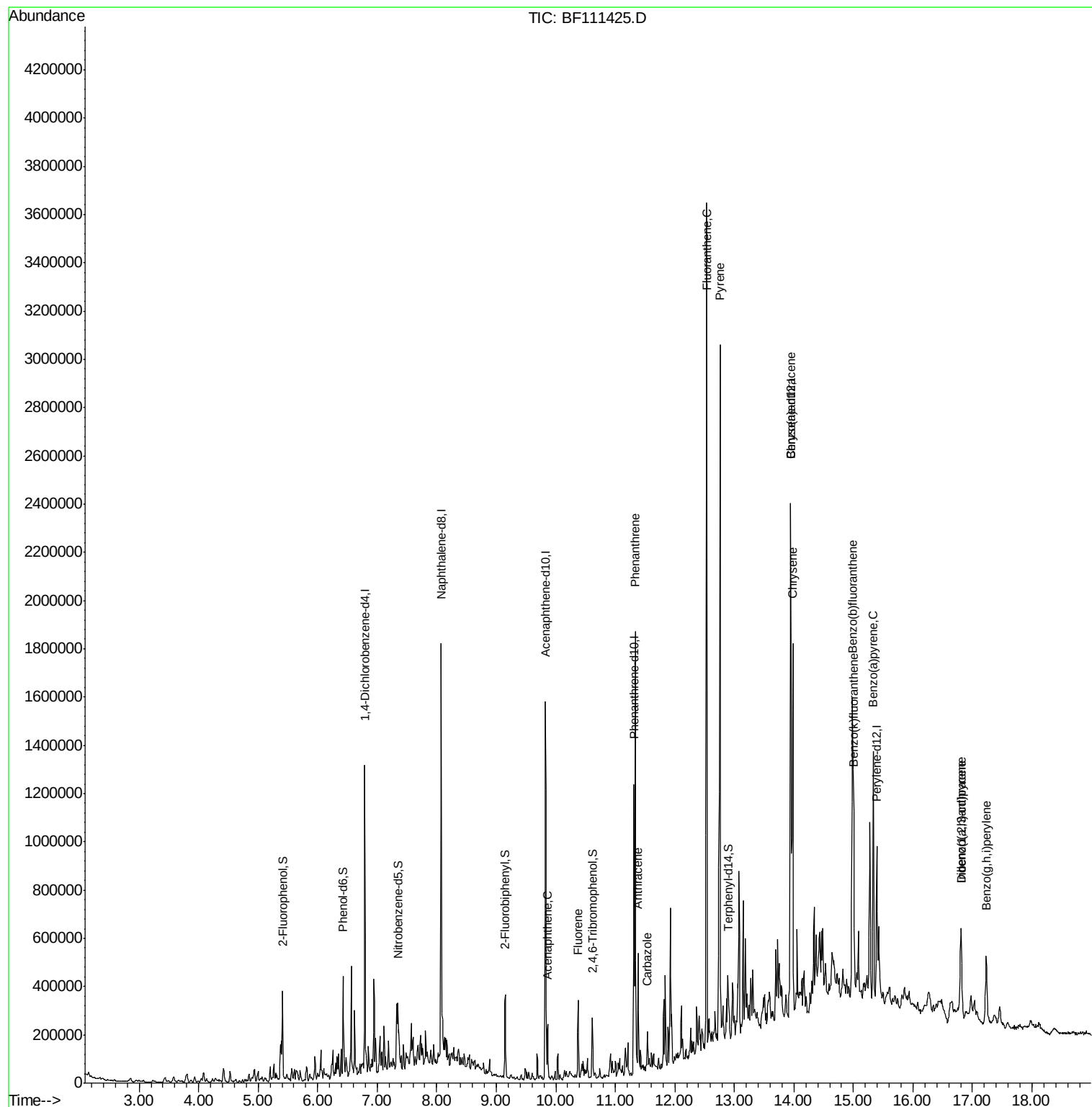
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF121418\
Data File : BF111425.D
Acq On : 14 Dec 2018 18:12
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ALS Vial : 11 Sample Multiplier: 1

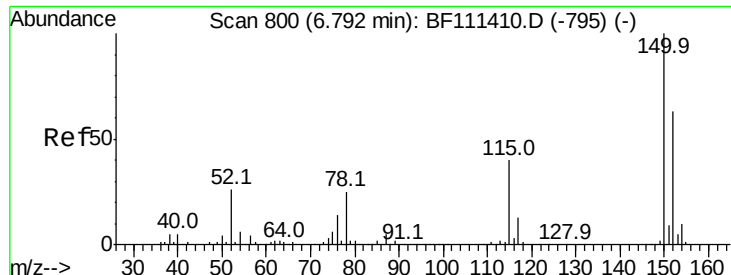
Instrument :
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ClientSampleId :
064_SW-E-2DL

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Quant Time: Dec 14 18:41:46 2018
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF121418.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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#1

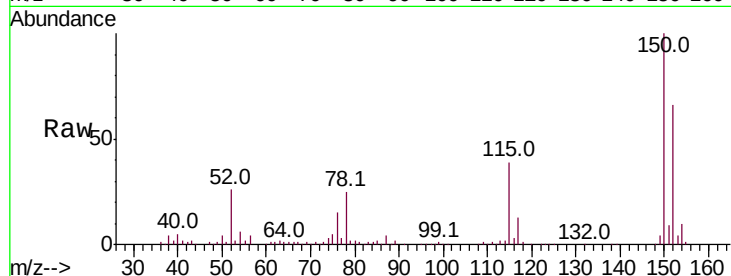
1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.79 min Scan# 800
 Delta R.T. 0.00 min
 Lab File: BF111425.D
 Acq: 14 Dec 2018 18:12

Instrument :
 BNA_F
 ClientSampleId :
 064_SW-E-2DL

Tot Ion	Ratio	Lower	Upper
152	100		
150	151.5	126.6	189.8
115	59.5	50.7	76.1

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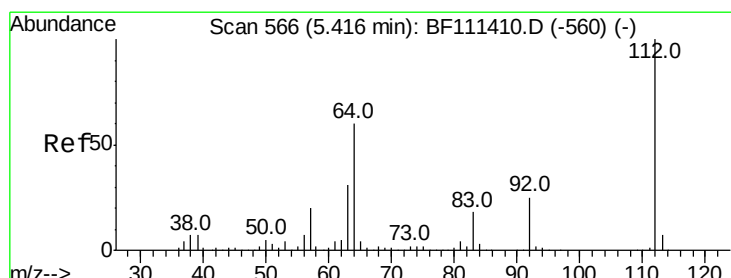
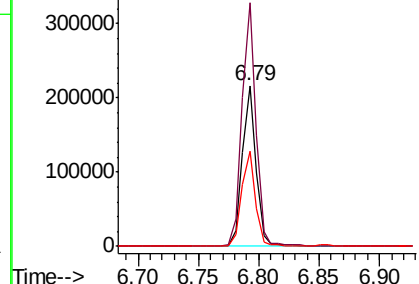
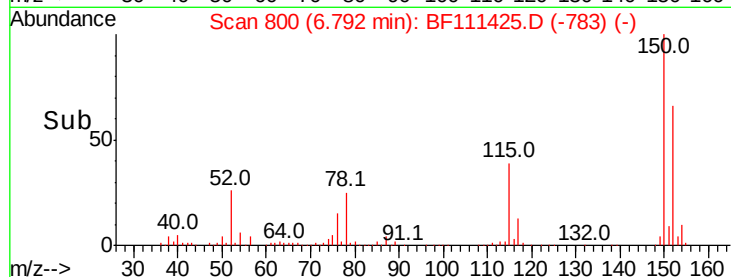


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

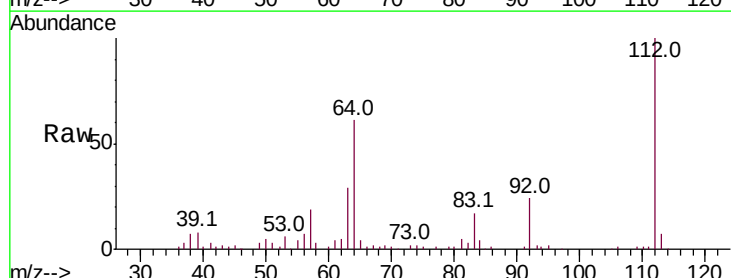
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
 Concen: 9.033 ng
 RT: 5.41 min Scan# 565
 Delta R.T. -0.00 min
 Lab File: BF111425.D
 Acq: 14 Dec 2018 18:12

Tgt Ion	Ratio	Lower	Upper
112	100		
64	61.3	51.8	77.6
63	29.3	26.8	40.2

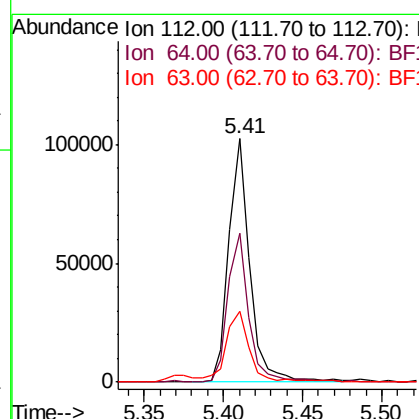
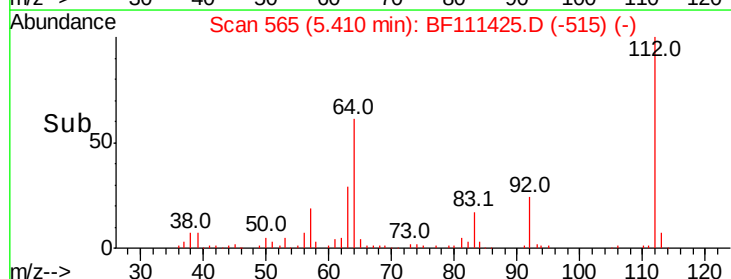


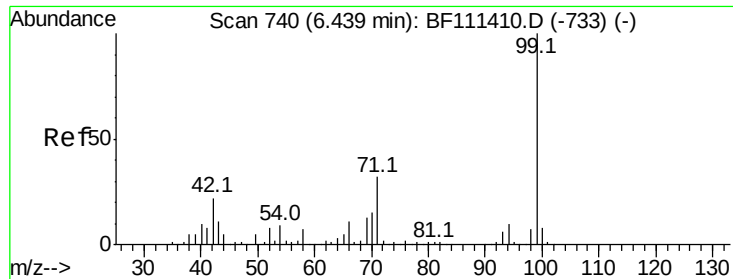
Abundance

Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF1

Ion 63.00 (62.70 to 63.70): BF1





#7

Phenol-d6

Concen: 9.088 ng

RT: 6.43 min Scan# 738

Delta R.T. -0.01 min

Lab File: BF111425.D

Acq: 14 Dec 2018 18:12

Instrument :

BNA_F

ClientSampleId :

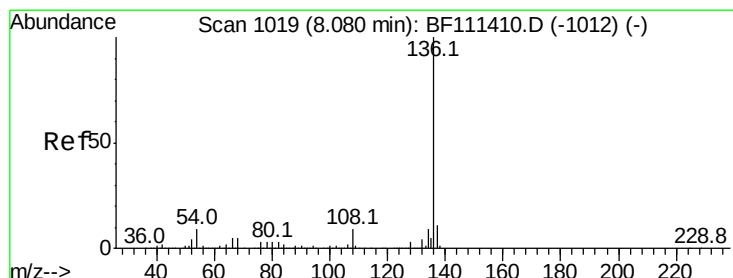
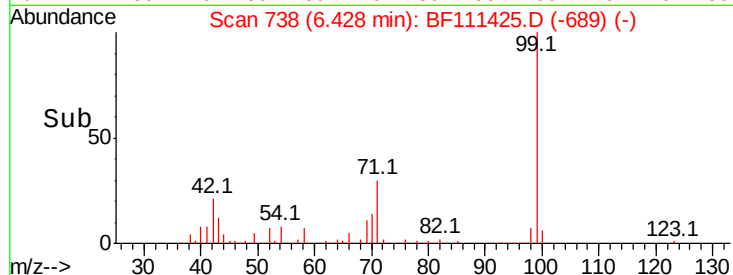
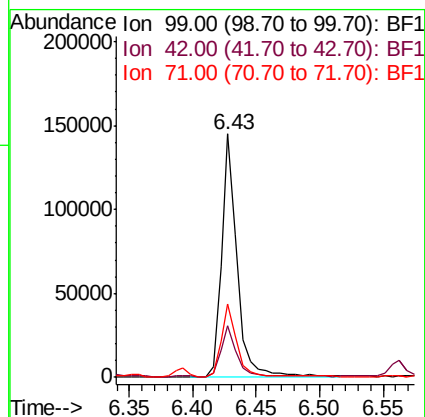
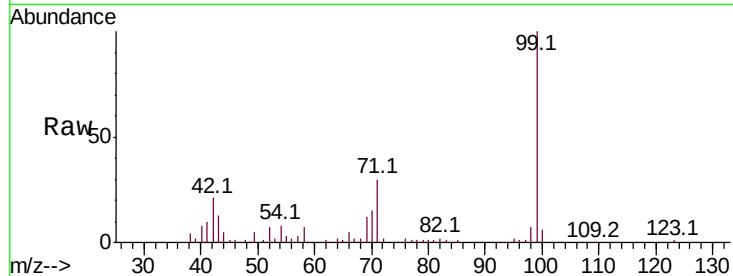
064_SW-E-2DL

Tot Ion:	99	Resp:	126744
Ion Ratio	Lower	Upper	
99	100		
42	21.1	17.4	26.0
71	30.0	26.1	39.1

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#21

Naphthalene-d8

Concen: 20.000 ng

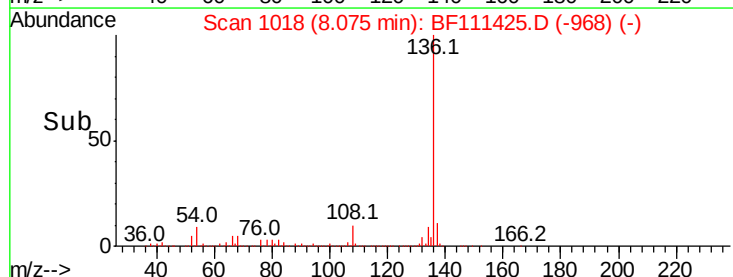
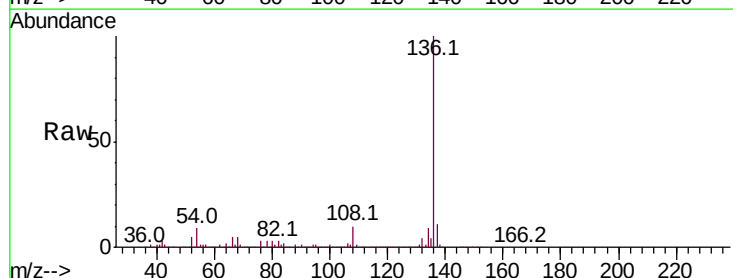
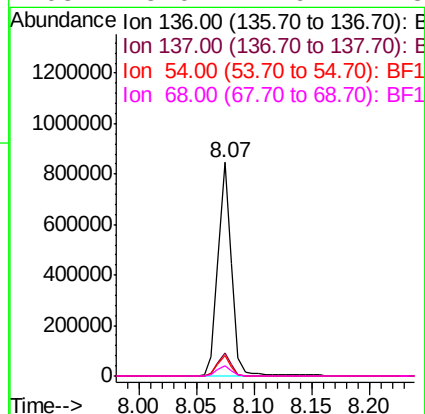
RT: 8.07 min Scan# 1018

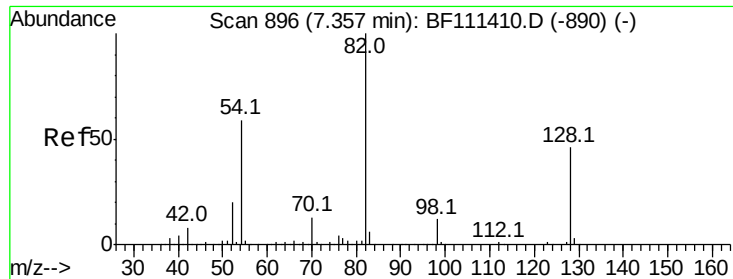
Delta R.T. -0.01 min

Lab File: BF111425.D

Acq: 14 Dec 2018 18:12

Tgt Ion:	136	Resp:	693674
Ion Ratio	Lower	Upper	
136	100		
137	11.0	9.1	13.7
54	9.5	7.7	11.5
68	5.0	4.9	7.3





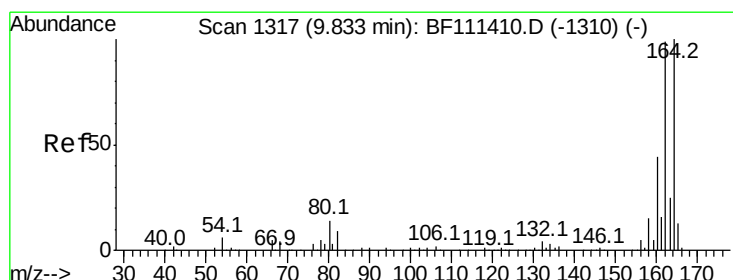
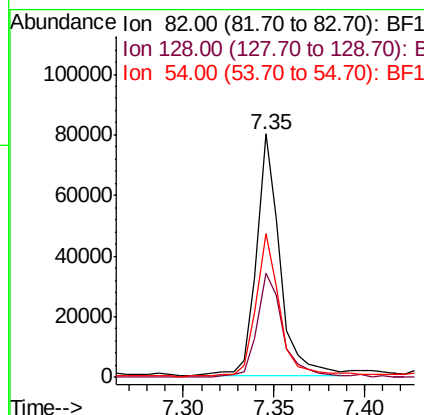
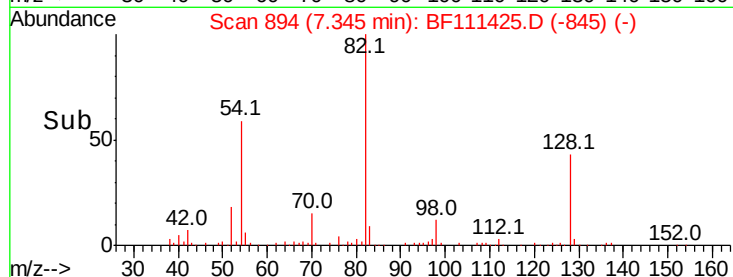
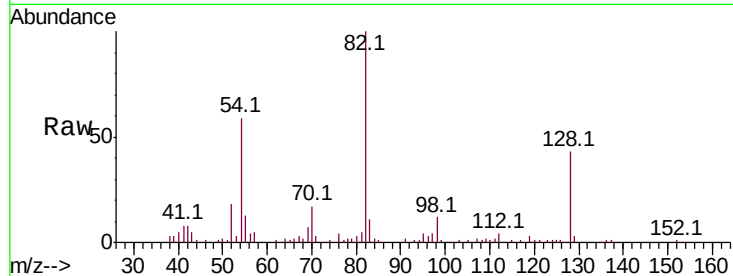
#23
 Nitrobenzene-d5
 Concen: 6.165 ng
 RT: 7.35 min Scan# 894
 Delta R.T. -0.01 min
 Lab File: BF111425.D
 Acq: 14 Dec 2018 18:12

Instrument :
 BNA_F
 ClientSampled :
 064_SW-E-2DL

Tot Ion:	82	Resp:	71813
Ion Ratio	Lower	Upper	
82	100		
128	42.6	37.4	56.2
54	59.3	47.6	71.4

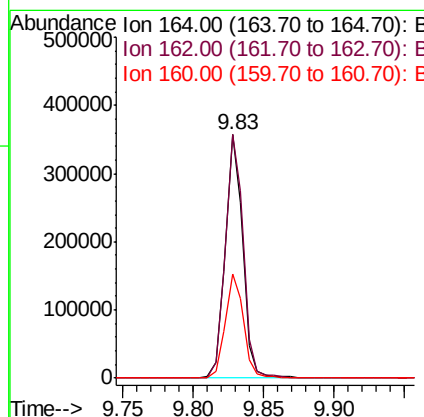
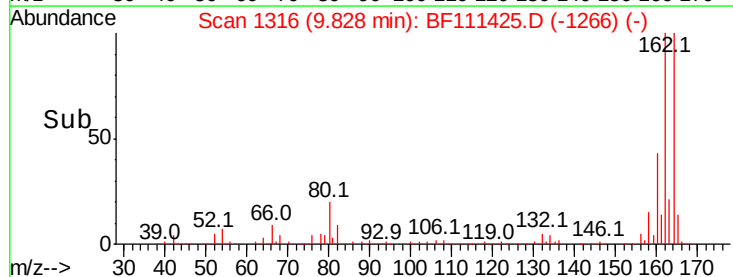
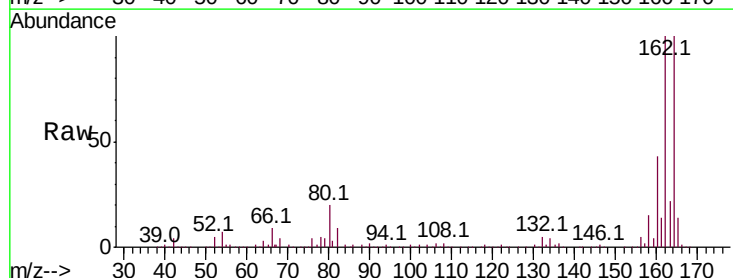
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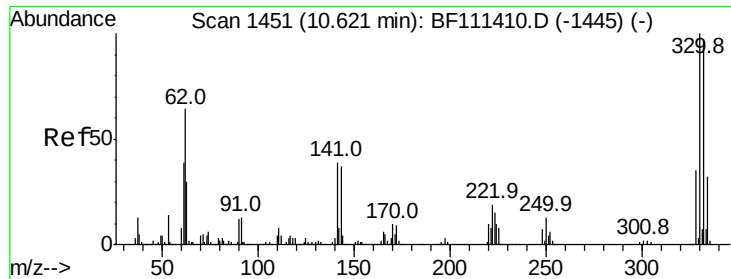
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#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.83 min Scan# 1316
 Delta R.T. -0.01 min
 Lab File: BF111425.D
 Acq: 14 Dec 2018 18:12

Tgt Ion:	164	Resp:	306638
Ion Ratio	Lower	Upper	
164	100		
162	100.1	81.4	122.0
160	42.9	35.7	53.5





#42

2,4,6-Tribromophenol

Concen: 7.046 ng

RT: 10.62 min Scan# 1450

Delta R.T. -0.01 min

Lab File: BF111425.D

Acq: 14 Dec 2018 18:12

Instrument :

BNA_F

ClientSampleId :

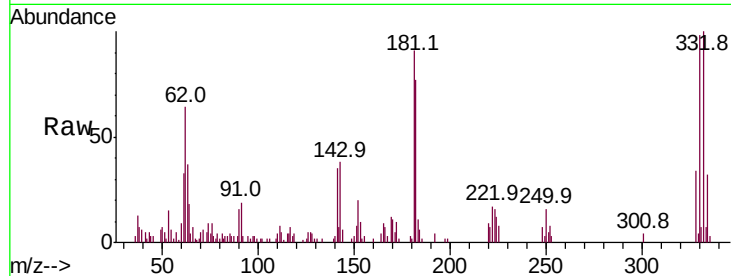
064_SW-E-2DL

Tot Ion:	330	Resp:	19354
Ion Ratio	Lower	Upper	
330	100		
332	98.9	76.0	114.0
141	48.6	31.0	46.6#

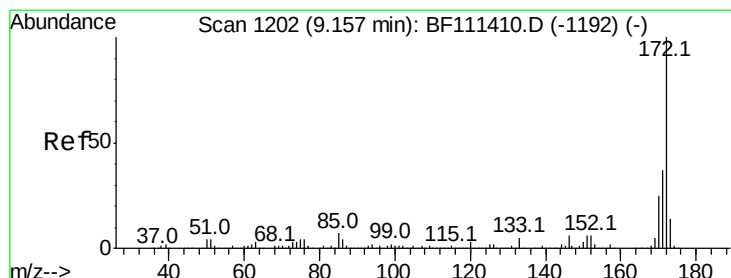
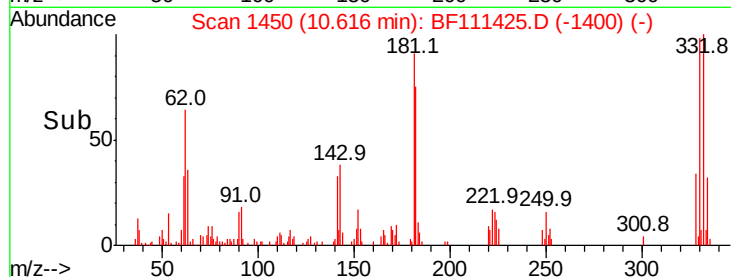
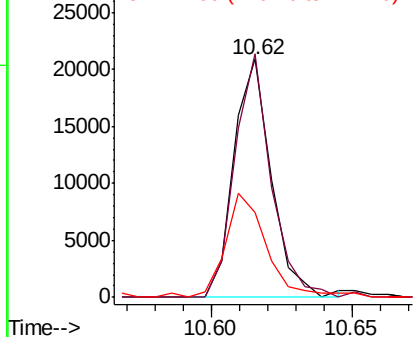
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Abundance Ion 329.80 (329.50 to 330.50): E
Ion 331.80 (331.50 to 332.50): E
Ion 141.00 (140.70 to 141.70): E



#45

2-Fluorobiphenyl

Concen: 5.796 ng

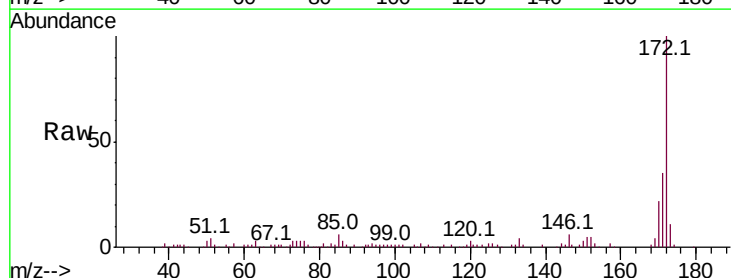
RT: 9.15 min Scan# 1201

Delta R.T. -0.01 min

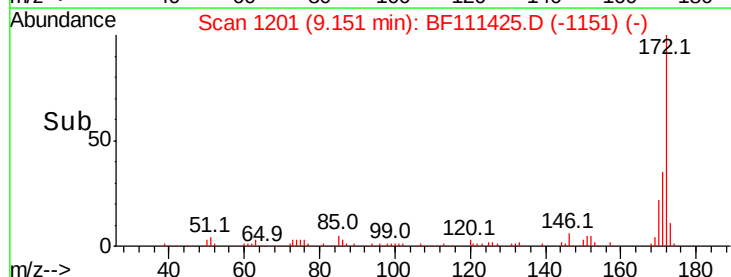
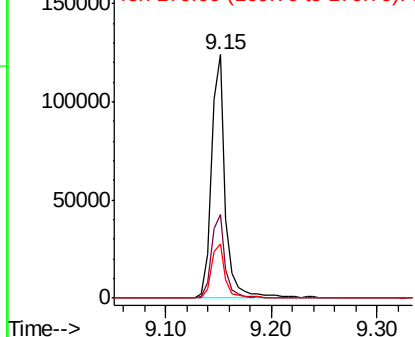
Lab File: BF111425.D

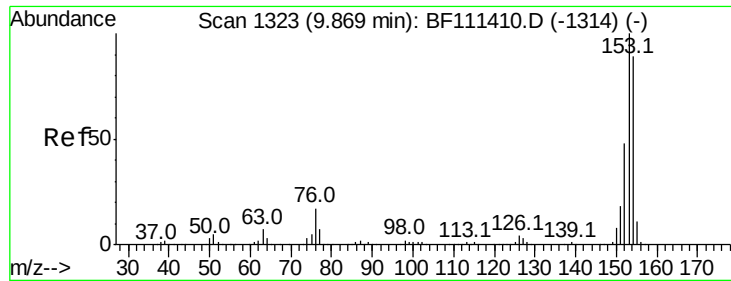
Acq: 14 Dec 2018 18:12

Tgt Ion:	172	Resp:	115064
Ion Ratio	Lower	Upper	
172	100		
171	34.5	33.0	49.4
170	22.2	22.3	33.5#



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





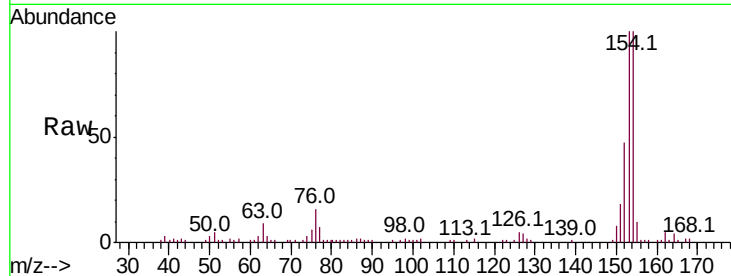
#52
Acenaphthene
Concen: 2.570 ng
RT: 9.86 min Scan# 1322
Delta R.T. -0.01 min
Lab File: BF111425.D
Acq: 14 Dec 2018 18:12

Instrument :
BNA_F
ClientSampleId :
064_SW-E-2DL

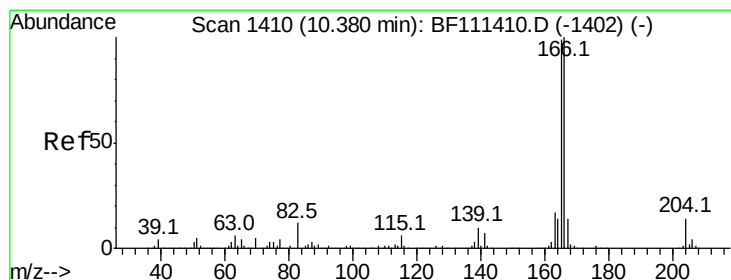
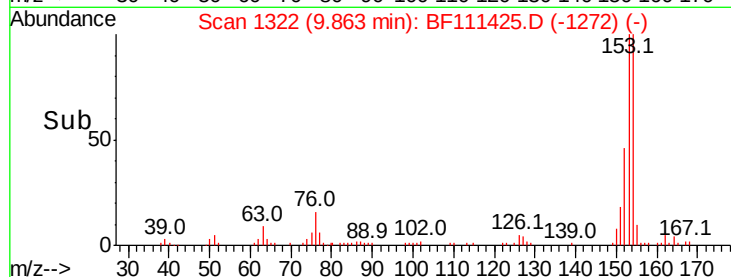
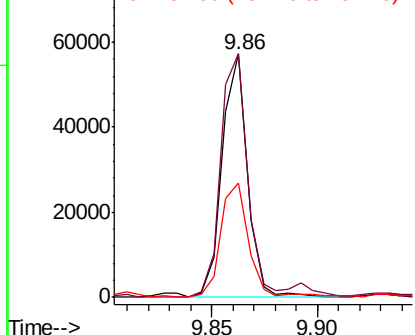
Tot Ion:	154	Resp:	47627
Ion Ratio	Lower	Upper	
154	100		
153	99.9	87.8	131.8
152	46.9	43.4	65.2

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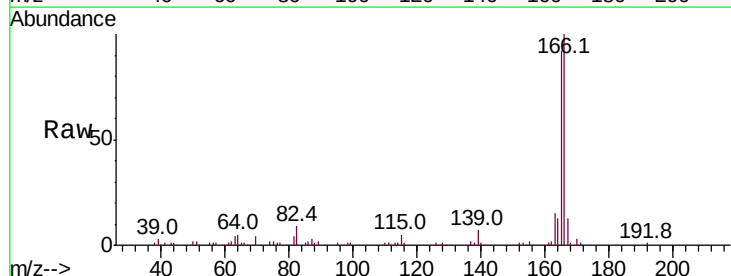


Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 152.00 (151.70 to 152.70): E

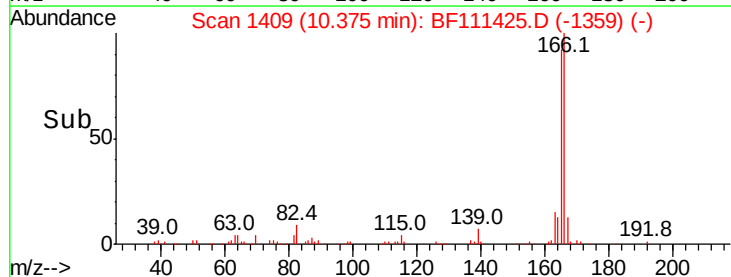
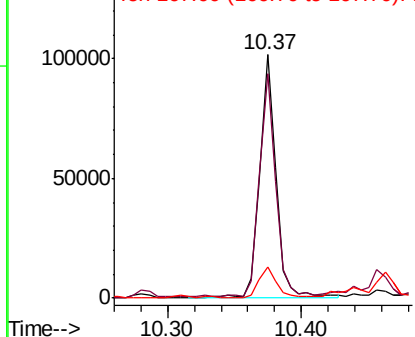


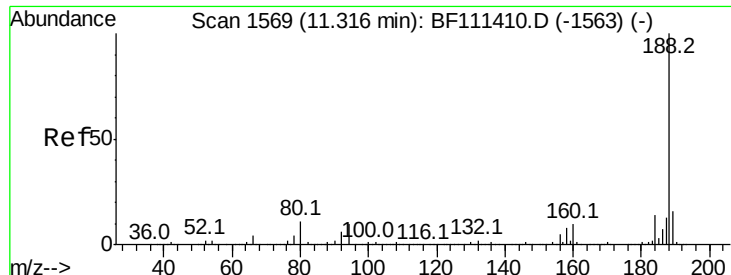
#58
Fluorene
Concen: 4.348 ng
RT: 10.37 min Scan# 1409
Delta R.T. -0.01 min
Lab File: BF111425.D
Acq: 14 Dec 2018 18:12

Tgt Ion:	166	Resp:	84816
Ion Ratio	Lower	Upper	
166	100		
165	92.3	78.4	117.6
167	12.9	11.2	16.8



Abundance Ion 166.00 (165.70 to 166.70): E
Ion 165.00 (164.70 to 165.70): E
Ion 167.00 (166.70 to 167.70): E





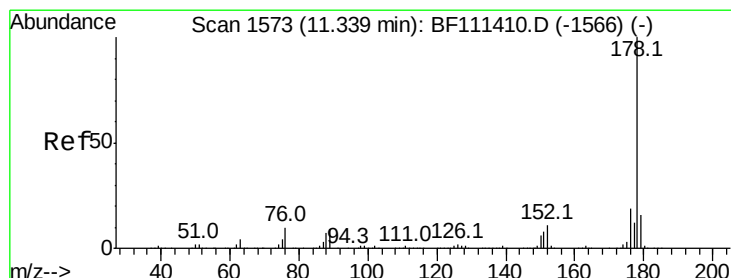
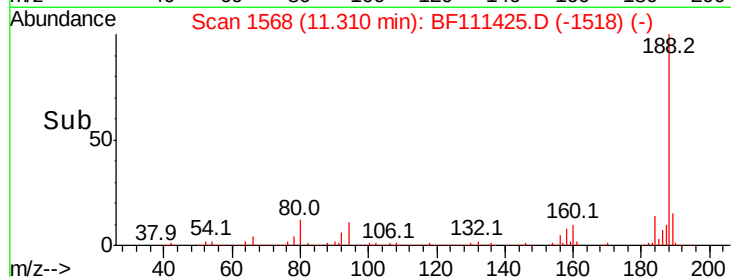
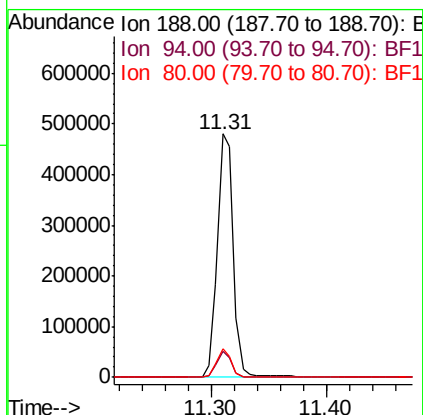
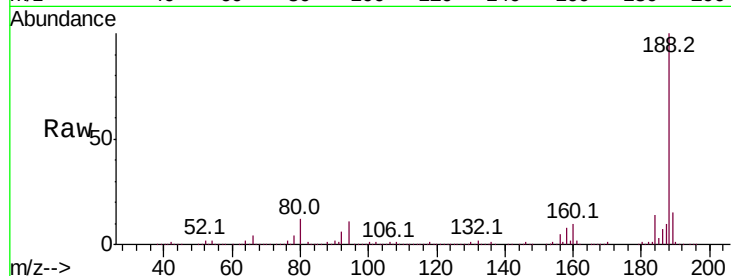
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.31 min Scan# 1568
Delta R.T. -0.01 min
Lab File: BF111425.D
Acq: 14 Dec 2018 18:12

Instrument :
BNA_F
ClientSampleId :
064_SW-E-2DL

Tot Ion	Ratio	Resp	Lower	Upper
188	100	460463		
94	10.8		9.6	14.4
80	11.7		9.8	14.6

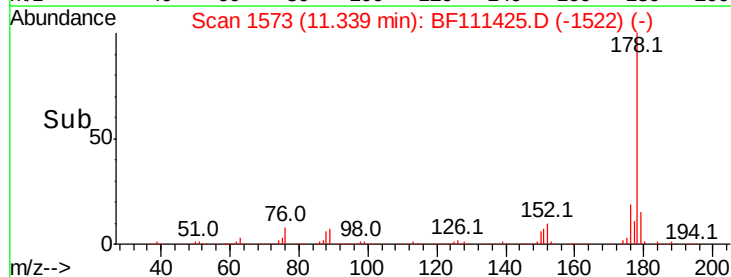
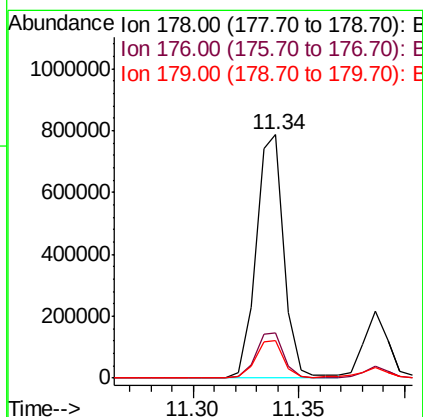
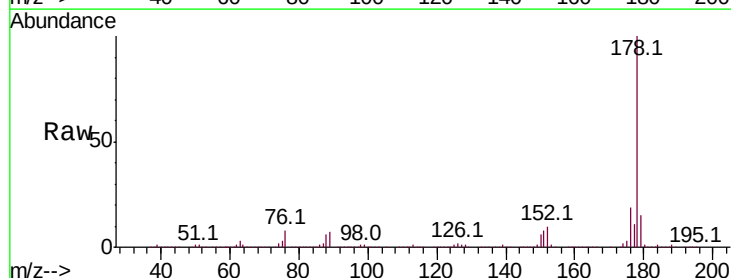
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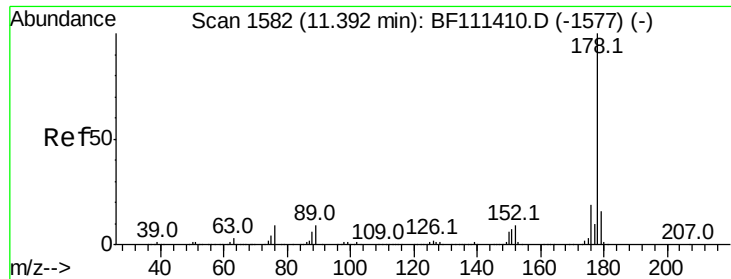
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#71
Phenanthrene
Concen: 30.472 ng
RT: 11.34 min Scan# 1573
Delta R.T. 0.00 min
Lab File: BF111425.D
Acq: 14 Dec 2018 18:12

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	723014		
176	18.8		18.1	27.1
179	15.5		14.0	21.0





#72

Anthracene

Concen: 6.801 ng

RT: 11.39 min Scan# 1581

Delta R.T. -0.01 min

Lab File: BF111425.D

Acq: 14 Dec 2018 18:12

Instrument :

BNA_F

ClientSampleId :

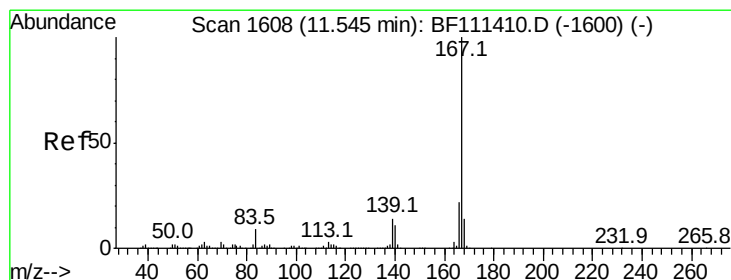
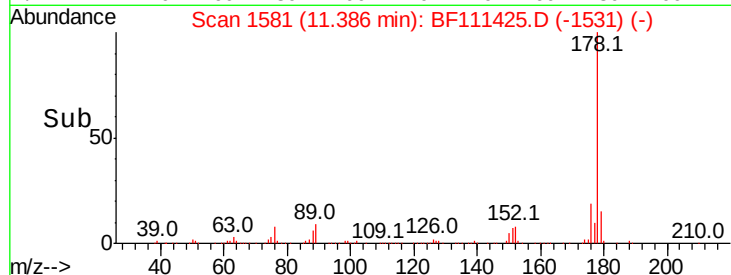
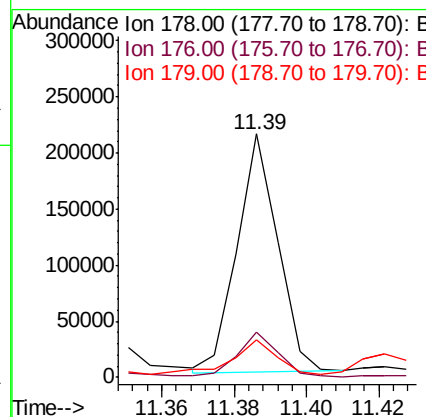
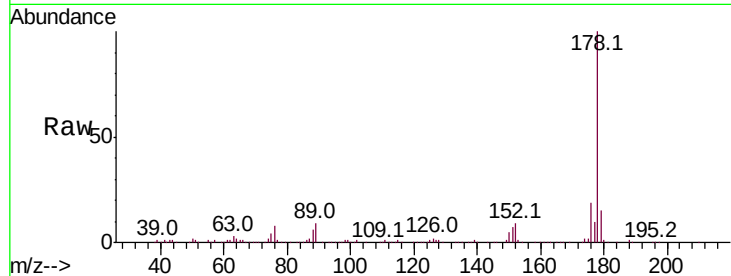
064_SW-E-2DL

Tot Ion:	178	Resp:	165015
Ion Ratio	Lower	Upper	
178	100		
176	18.6	17.2	25.8
179	15.5	13.8	20.8

Manual Integrations
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#73

Carbazole

Concen: 2.425 ng

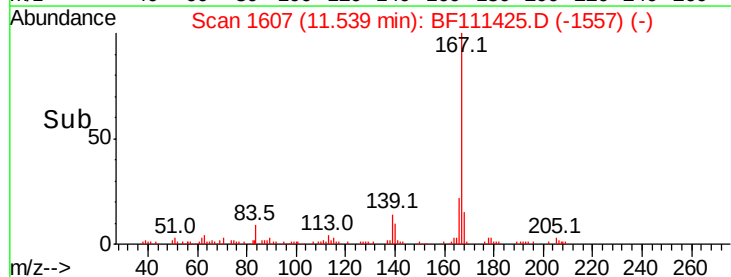
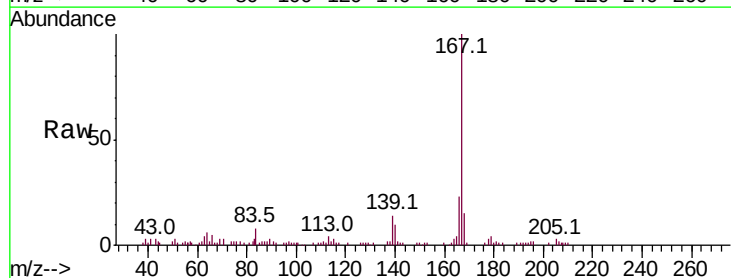
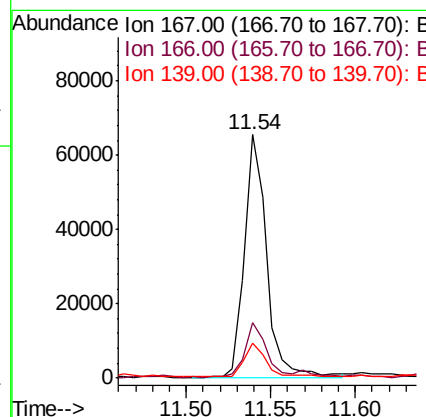
RT: 11.54 min Scan# 1607

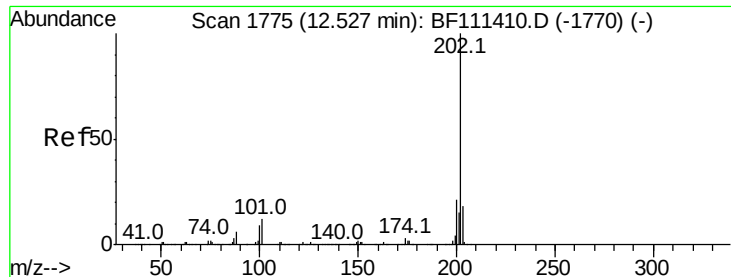
Delta R.T. -0.01 min

Lab File: BF111425.D

Acq: 14 Dec 2018 18:12

Tgt Ion:	167	Resp:	60857
Ion Ratio	Lower	Upper	
167	100		
166	23.0	19.3	28.9
139	14.2	11.9	17.9





#75

Fluoranthene

Concen: 54.297 ng

RT: 12.53 min Scan# 1776

Delta R.T. 0.01 min

Lab File: BF111425.D

Acq: 14 Dec 2018 18:12

Instrument :

BNA_F

ClientSampleId :

064_SW-E-2DL

Tot Ion:202 Resp: 1260339

Ion Ratio Lower Upper

202 100

101 12.1 0.0 33.8

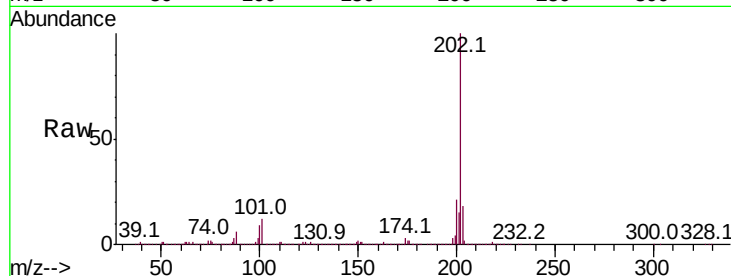
203 17.7 0.0 38.6

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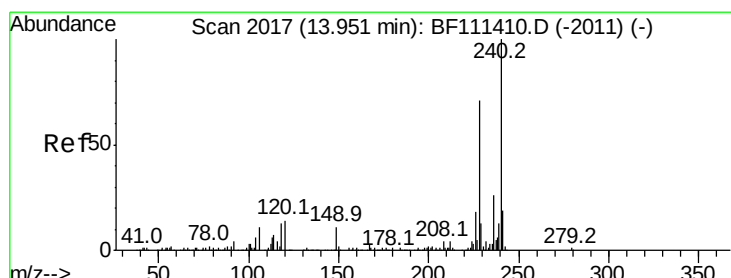
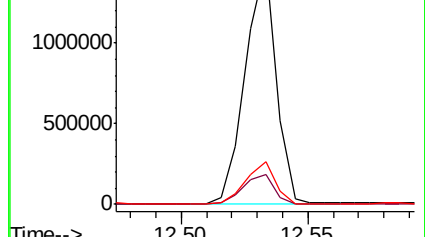
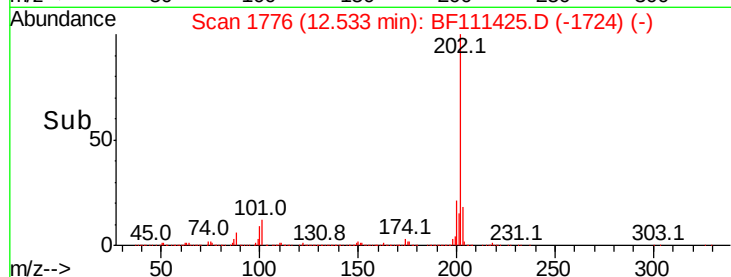
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Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E



#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.95 min Scan# 2017

Delta R.T. 0.00 min

Lab File: BF111425.D

Acq: 14 Dec 2018 18:12

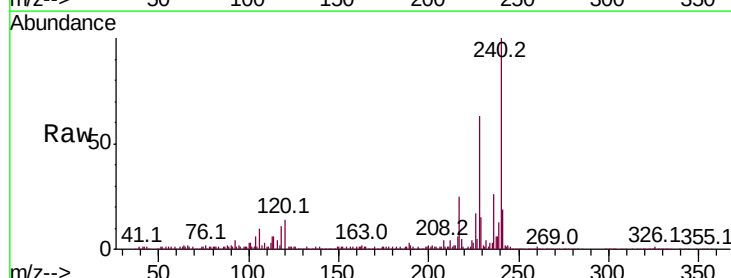
Tgt Ion:240 Resp: 355973

Ion Ratio Lower Upper

240 100

120 13.9 12.2 18.2

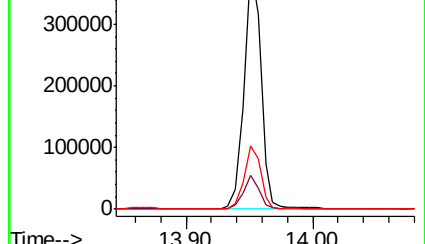
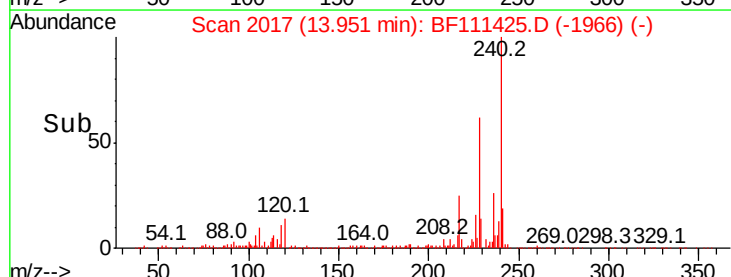
236 25.8 20.2 30.2

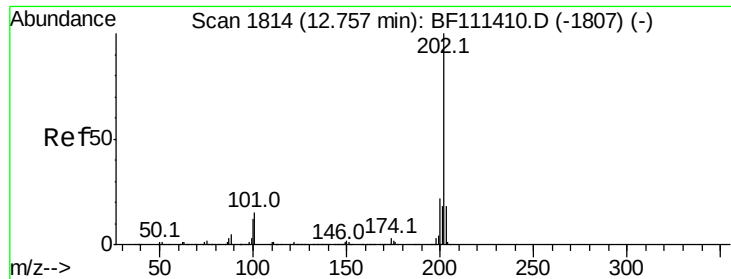


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





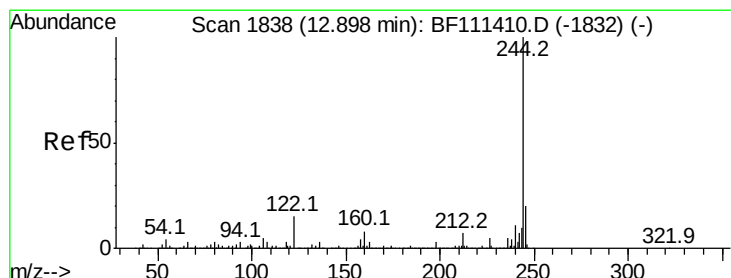
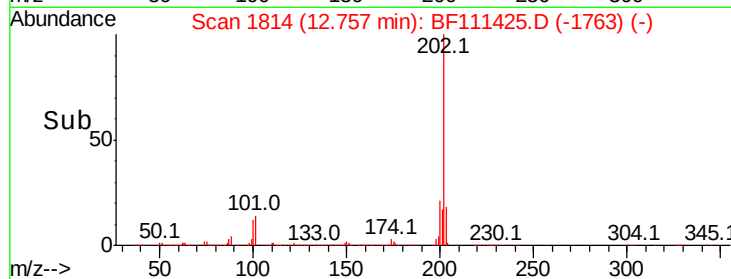
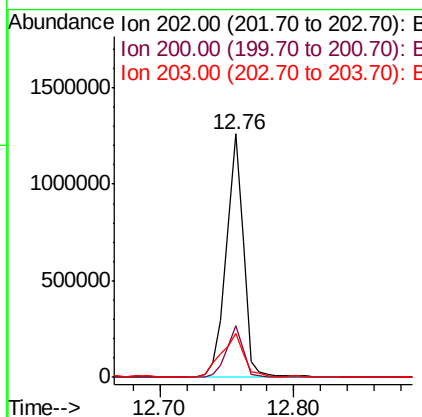
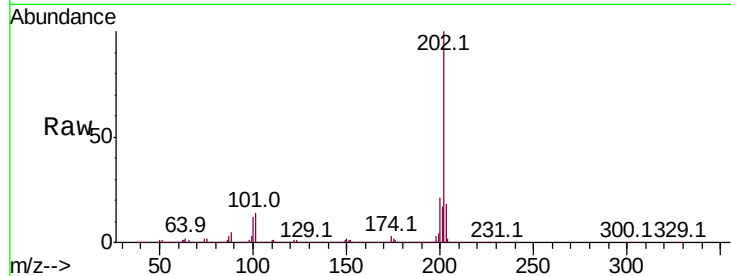
#78
Pvrene
Concen: 45.876 ng
RT: 12.76 min Scan# 1814
Delta R.T. 0.00 min
Lab File: BF111425.D
Acq: 14 Dec 2018 18:12

Instrument :
BNA_F
ClientSampleId :
064_SW-E-2DL

Tot Ion	Ratio	Lower	Upper
202	100		
200	21.0	19.0	28.4
203	18.0	15.2	22.8

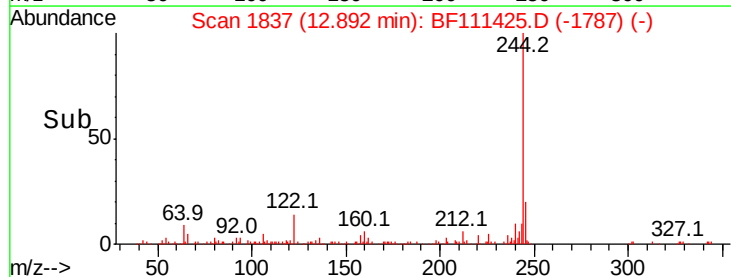
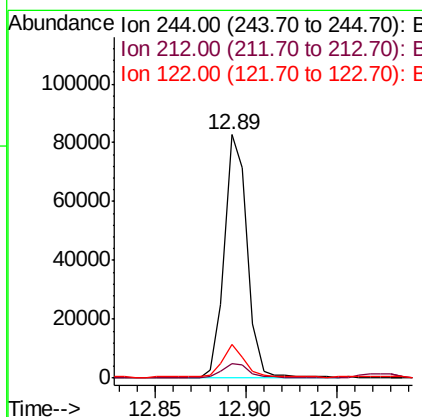
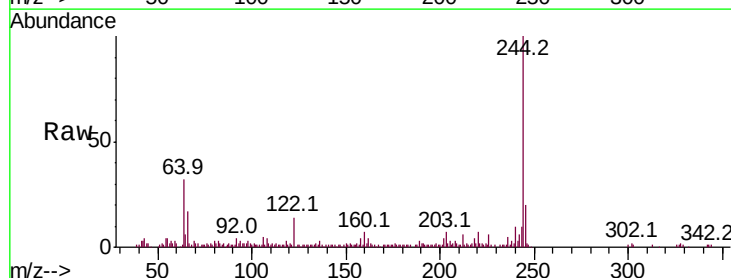
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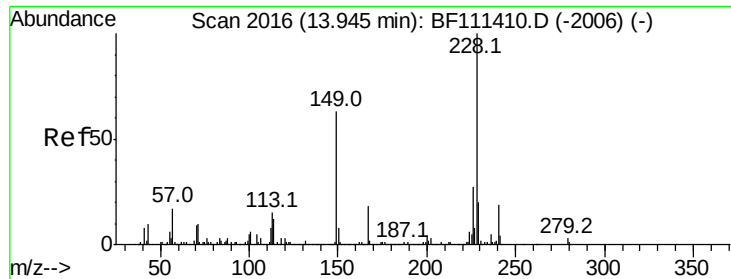
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#79
Terphenyl-d14
Concen: 4.829 ng
RT: 12.89 min Scan# 1837
Delta R.T. -0.01 min
Lab File: BF111425.D
Acq: 14 Dec 2018 18:12

Tgt Ion	Ratio	Lower	Upper
244	100		
212	6.1	5.7	8.5
122	13.6	13.1	19.7





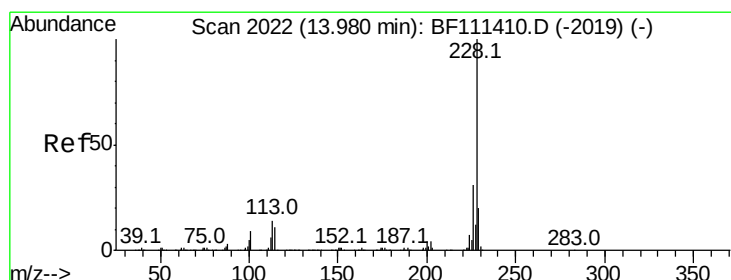
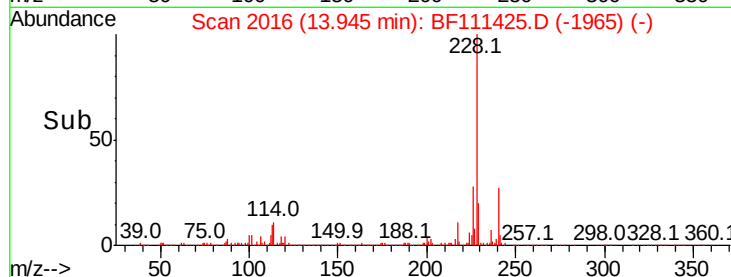
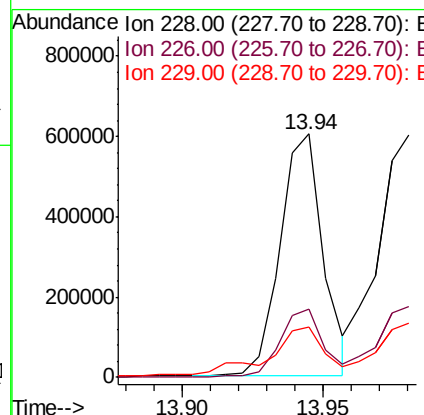
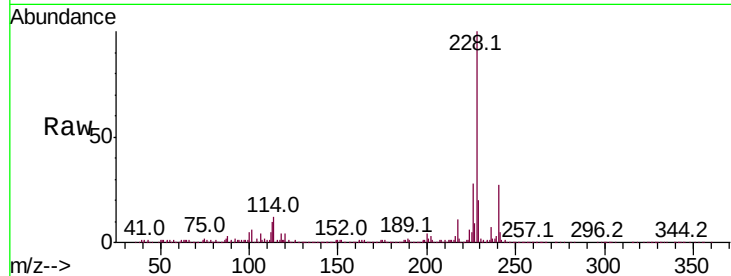
#81
Benzo(a)anthracene
Concen: 33.014 ng
RT: 13.94 min Scan# 2016
Delta R.T. 0.00 min
Lab File: BF111425.D
Acq: 14 Dec 2018 18:12

Instrument :
BNA_F
ClientSampleId :
064_SW-E-2DL

Tot Ion	Ratio	Lower	Upper
228	100		
226	27.8	22.6	34.0
229	20.4	16.3	24.5

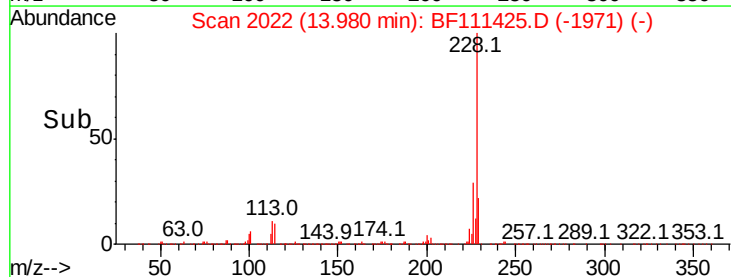
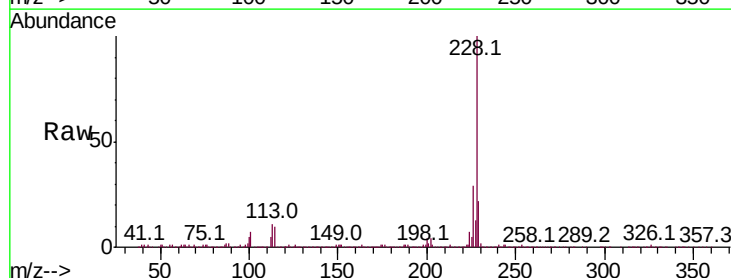
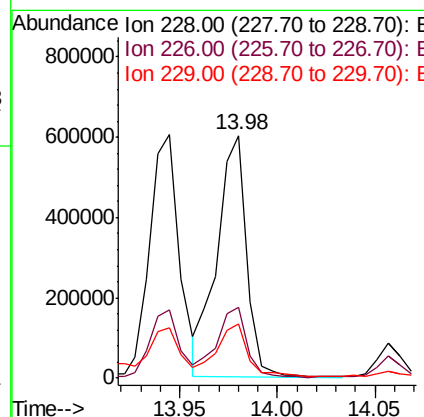
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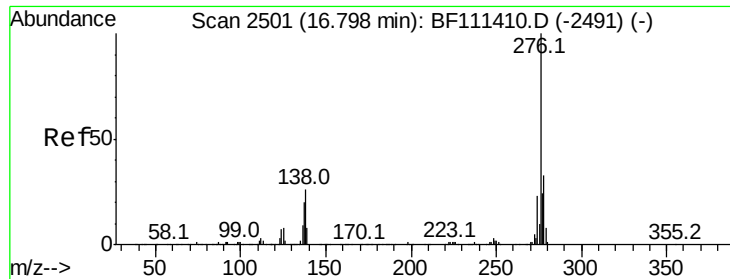
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#83
Chrysene
Concen: 31.156 ng
RT: 13.98 min Scan# 2022
Delta R.T. 0.00 min
Lab File: BF111425.D
Acq: 14 Dec 2018 18:12

Tgt Ion	Ratio	Lower	Upper
228	100		
226	29.2	25.3	37.9
229	22.1	17.2	25.8





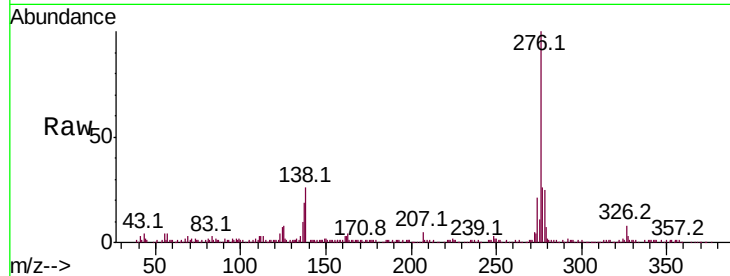
#86
Indeno(1,2,3-cd)pyrene
Concen: 15.624 ng
RT: 16.81 min Scan# 2503
Delta R.T. 0.01 min
Lab File: BF111425.D
Acq: 14 Dec 2018 18:12

Instrument :
BNA_F
ClientSampleId :
064_SW-E-2DL

Tot Ion	Ratio	Lower	Upper
276	100		
138	25.8	27.8	41.6#
277	23.8	20.1	30.1

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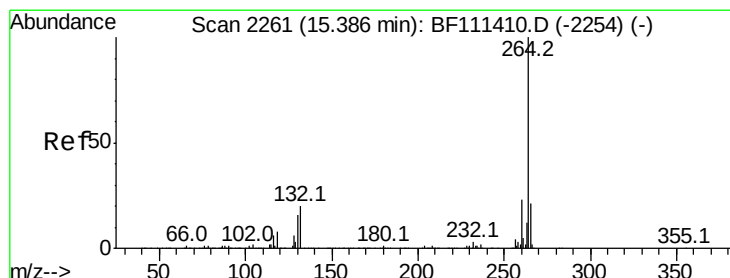
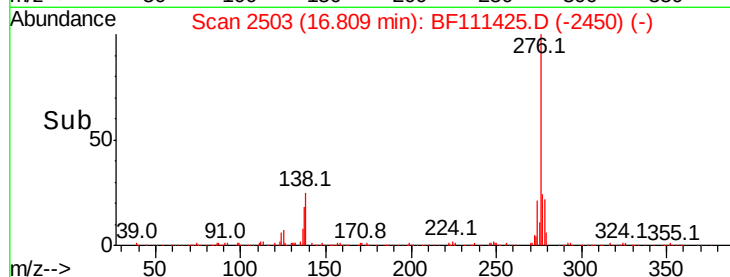
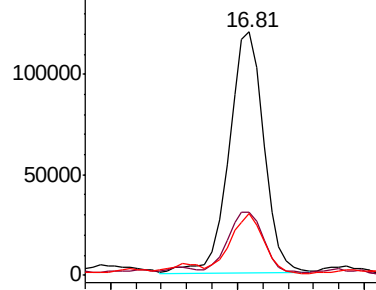


Abundance

Ion 276.00 (275.70 to 276.70): E

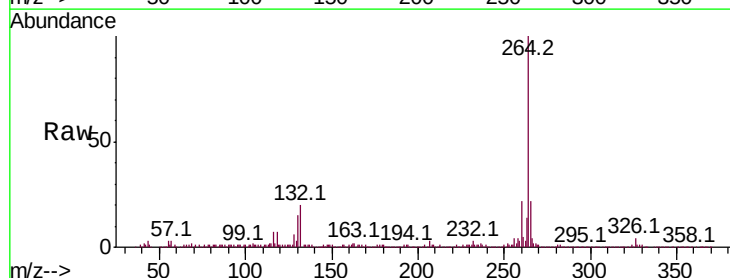
Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



#87
Perylene-d12
Concen: 20.000 ng
RT: 15.40 min Scan# 2263
Delta R.T. 0.01 min
Lab File: BF111425.D
Acq: 14 Dec 2018 18:12

Tgt Ion	Ratio	Lower	Upper
264	100		
260	22.5	18.3	27.5
265	21.6	17.7	26.5

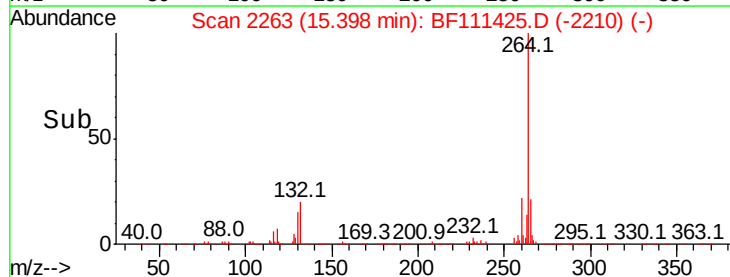
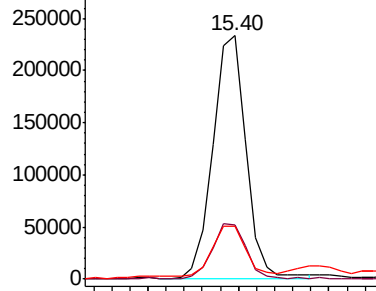


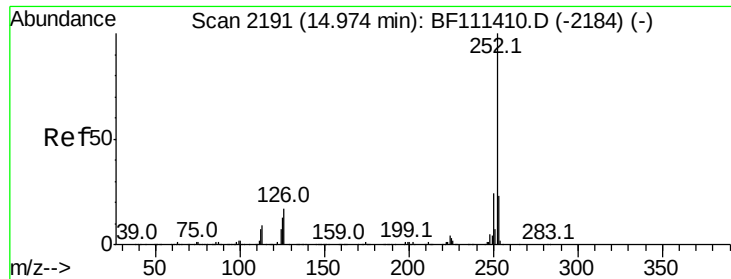
Abundance

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





#88

Benzo(b)fluoranthene

Concen: 41.570 ng m

RT: 14.99 min Scan# 2193

Delta R.T. 0.01 min

Lab File: BF111425.D

Acq: 14 Dec 2018 18:12

Instrument :

BNA_F

ClientSampleId :

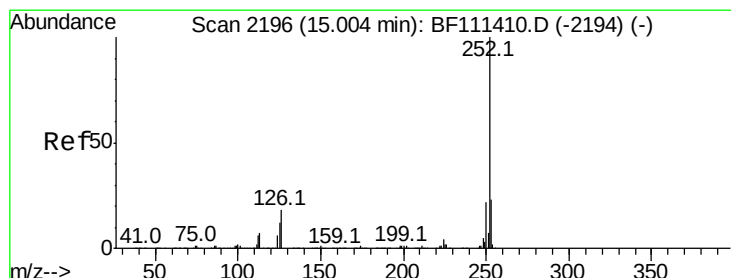
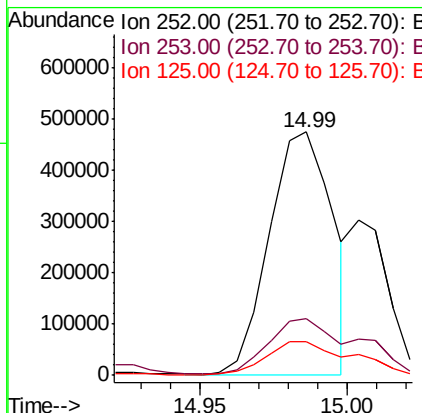
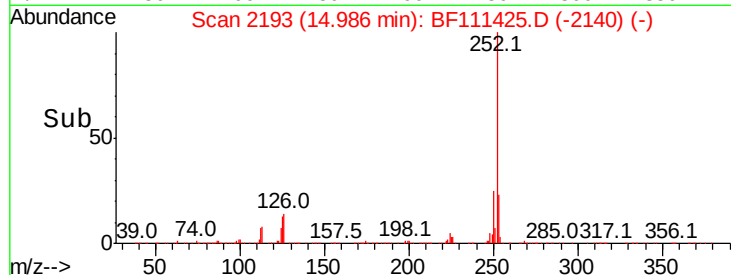
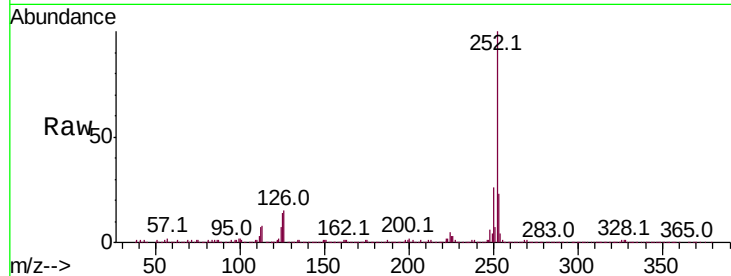
064_SW-E-2DL

Tot Ion:	252	Resp:	715758
Ion Ratio	Lower	Upper	
252	100		
253	23.4	18.2	27.2
125	13.8	10.4	15.6

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#89

Benzo(k)fluoranthene

Concen: 16.476 ng m

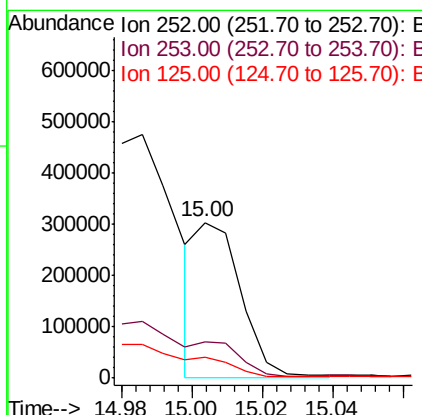
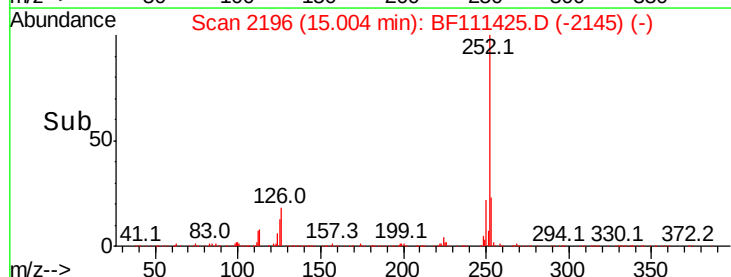
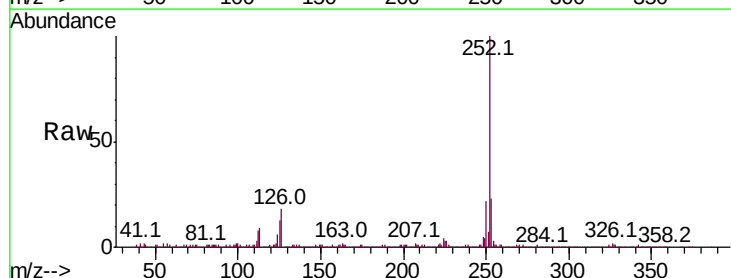
RT: 15.00 min Scan# 2196

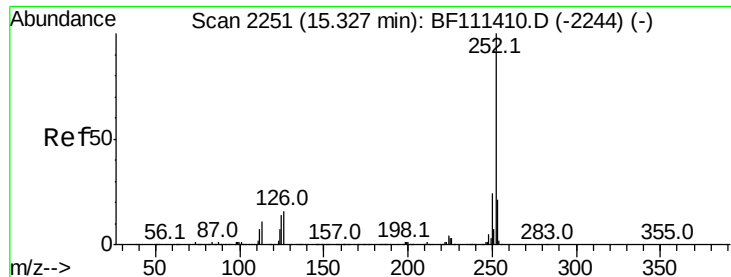
Delta R.T. 0.00 min

Lab File: BF111425.D

Acq: 14 Dec 2018 18:12

Tgt Ion:	252	Resp:	271067
Ion Ratio	Lower	Upper	
252	100		
253	23.4	18.1	27.1
125	13.4	9.8	14.8





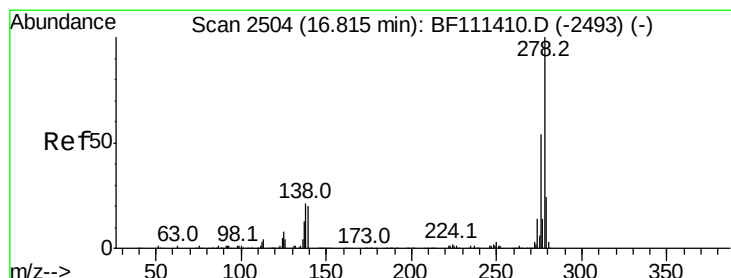
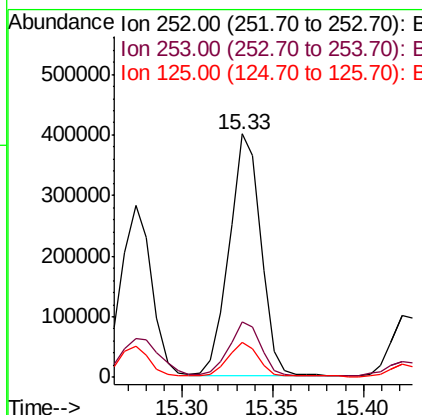
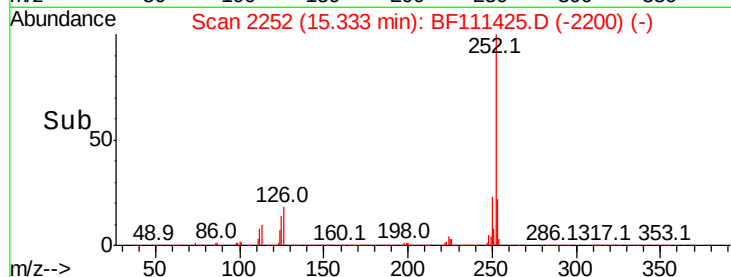
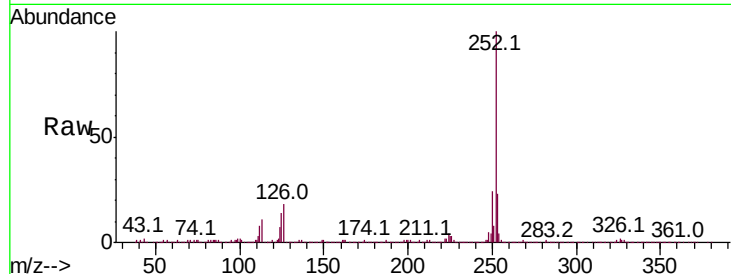
#90
Benzo(a)pyrene
Concen: 31.519 ng
RT: 15.33 min Scan# 2252
Delta R.T. 0.01 min
Lab File: BF111425.D
Acq: 14 Dec 2018 18:12

Instrument :
BNA_F
ClientSampleId :
064_SW-E-2DL

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.7	17.8	26.8
125	14.1	12.3	18.5

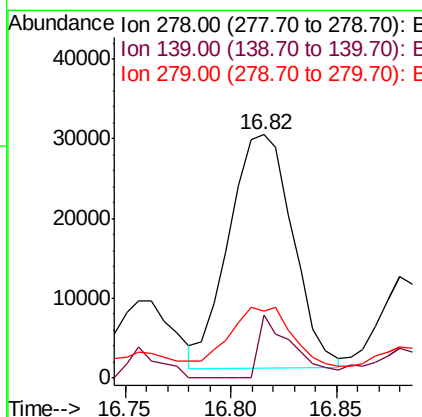
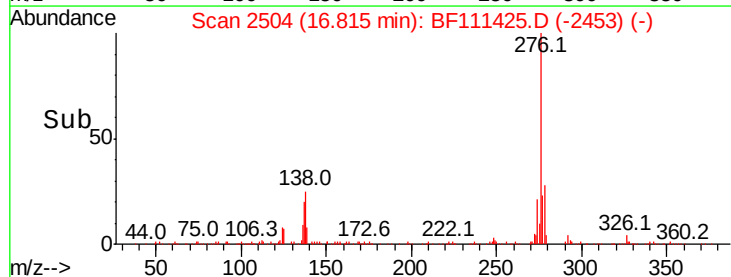
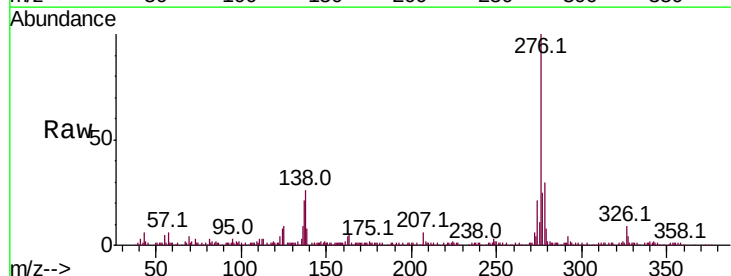
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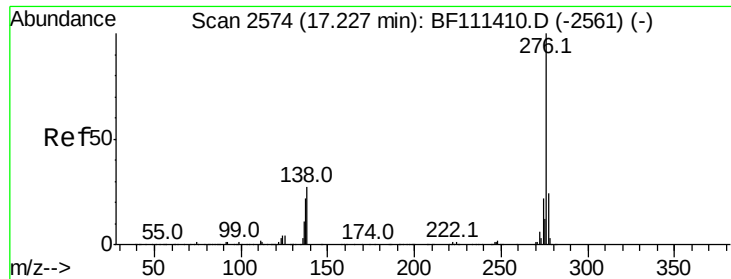
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#91
Dibenzo(a,h)anthracene
Concen: 5.038 ng
RT: 16.82 min Scan# 2504
Delta R.T. 0.00 min
Lab File: BF111425.D
Acq: 14 Dec 2018 18:12

Tgt Ion	Ratio	Lower	Upper
278	100		
139	25.8	18.2	27.4
279	27.3	19.0	28.6





#92
 Benzo(a,h,i)perylene
 Concen: 17.311 ng
 RT: 17.23 min Scan# 2575
 Delta R.T. 0.01 min
 Lab File: BF111425.D
 Acq: 14 Dec 2018 18:12

Instrument :
 BNA_F
 ClientSampleId :
 064_SW-E-2DL

Tot Ion:	276	Resp:	208128
Ion Ratio	Lower	Upper	
276	100		
277	22.6	19.2	28.8
138	26.7	24.9	37.3

Manual Integrations
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