

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF082519\  
 Data File : BF116539.D  
 Acq On : 25 Aug 2019 18:30  
 Operator : HP/JU  
 Sample : K4385-10RE  
 Misc :  
 ALS Vial : 15 Sample Multiplier: 1

**Instrument :**  
 BNA\_F  
**ClientSampleId :**  
 T8-B-(0-2)RE

**Manual Integrations**  
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 mohammad  
 8/29/2019 7:53:24 AM

Quant Time: Aug 26 07:42:42 2019  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF082319.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Aug 23 13:38:31 2019  
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.89	152	126131	20.00	ng	0.00
21) Naphthalene-d8	8.16	136	453296	20.00	ng	0.00
39) Acenaphthene-d10	9.92	164	188821	20.00	ng	0.00
64) Phenanthrene-d10	11.41	188	225292	20.00	ng	0.01
76) Chrysene-d12	14.06	240	165683	20.00	ng	0.02
87) Perylene-d12	15.56	264	146471	20.00	ng	0.05

System Monitoring Compounds

5) 2-Fluorophenol	5.51	112	699537	81.04	ng	0.01
7) Phenol-d6	6.51	99	924060	87.30	ng	0.00
23) Nitrobenzene-d5	7.44	82	558507	67.41	ng	0.00
42) 2,4,6-Tribromophenol	10.71	330	136107	83.95	ng	0.01
45) 2-Fluorobiphenyl	9.24	172	880366	75.08	ng	0.00
79) Terphenyl-d14	13.00	244	568671	64.11	ng	0.02

Target Compounds

						Qvalue
50) Dimethylphthalate	9.63	163	62620	4.753	ng	# 88
71) Phenanthrene	11.43	178	50041	4.077	ng	# 59
75) Fluoranthene	12.63	202	106813	8.418	ng	83
78) Pyrene	12.86	202	109514	8.265	ng	# 84
81) Benzo(a)anthracene	14.04	228	55297	5.153	ng	# 81
83) Chrysene	14.08	228	48176	4.429	ng	# 81
86) Indeno(1,2,3-cd)pyrene	17.04	276	30136	3.235	ng	# 92
88) Benzo(b)fluoranthene	15.11	252	58994m	6.520	ng	
89) Benzo(k)fluoranthene	15.13	252	21454m	2.617	ng	
90) Benzo(a)pyrene	15.49	252	41622	5.205	ng	# 1
92) Benzo(a,h,i)perylene	17.49	276	30514	4.871	ng	# 73

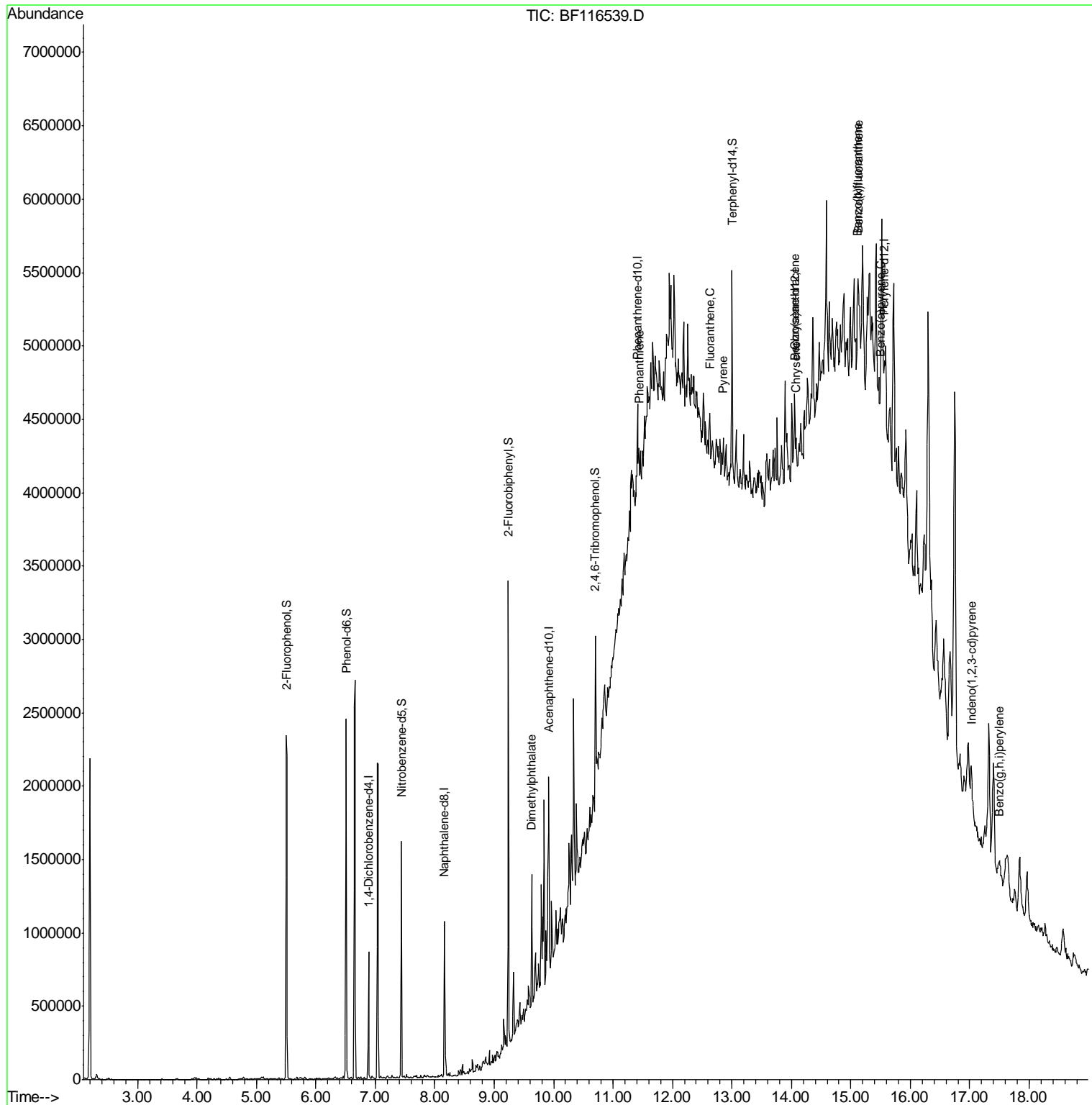
(#) = qualifier out of range (m) = manual integration (+) = signals summed

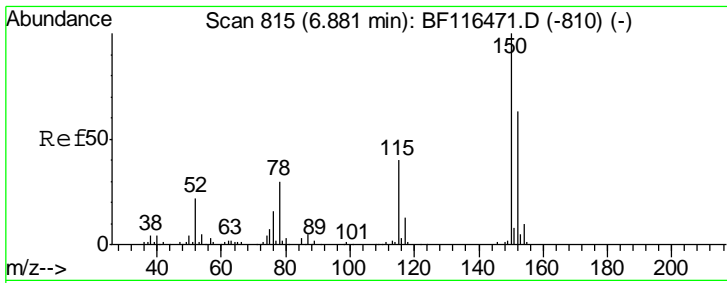
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF082519\  
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 T8-B-(0-2)RE

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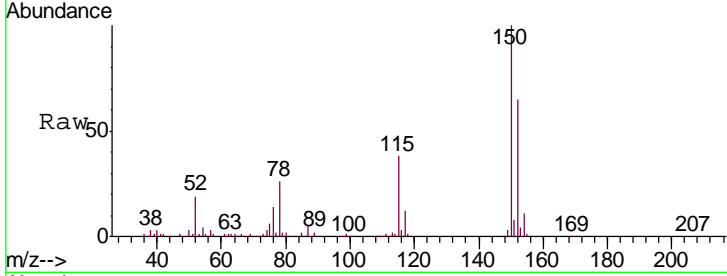
Quant Time: Aug 26 07:42:42 2019  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF082319.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Aug 23 13:38:31 2019  
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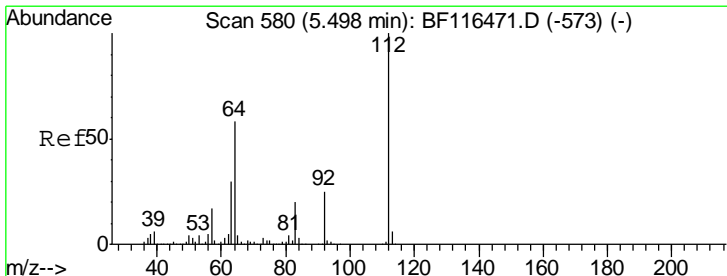
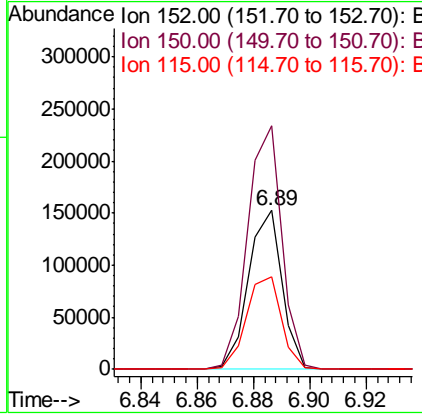
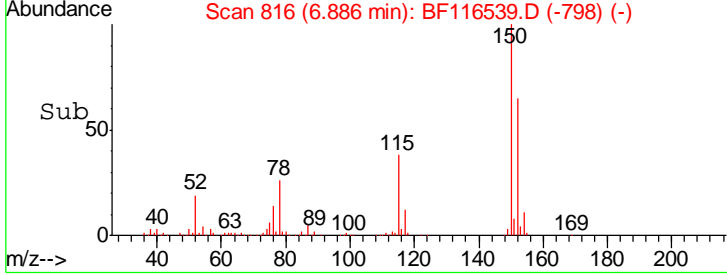
#1  
 1,4-Dichlorobenzene-d4  
 Concen: 20.000 ng  
 RT: 6.89 min Scan# 816  
 Delta R.T. 0.01 min  
 Lab File: BF116539.D  
 Acq: 25 Aug 2019 18:30

**Instrument :**  
 BNA\_F  
**ClientSampled :**  
 T8-B-(0-2)RE

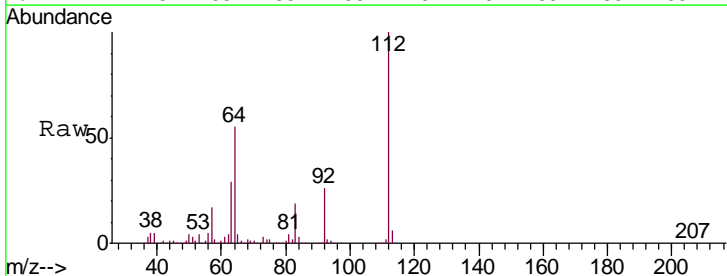


Tgt Ion	Resp	Lower	Upper
152	126131		
150	153.1	126.7	190.1
115	57.9	50.9	76.3

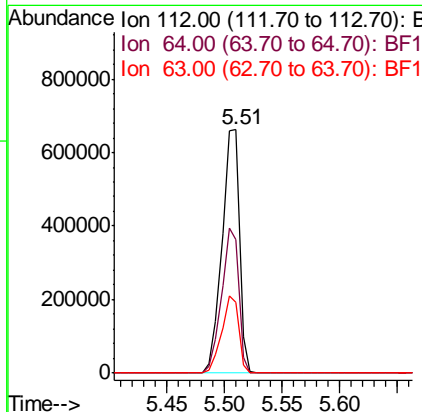
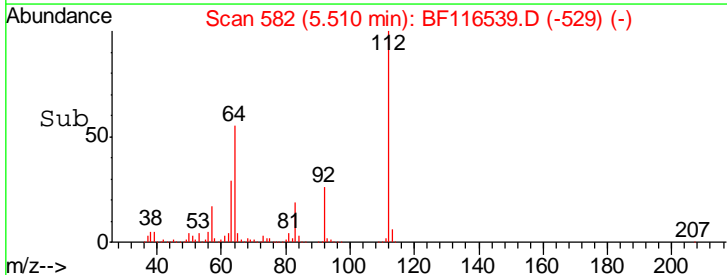
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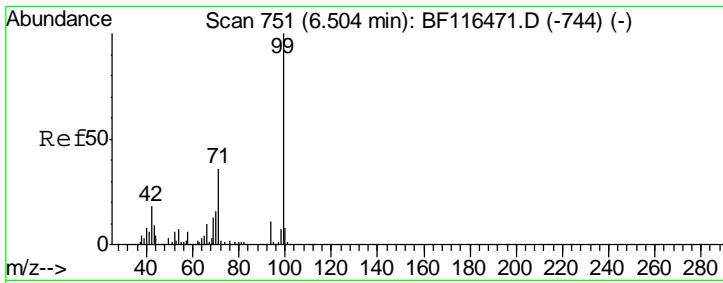


#5  
 2-Fluorophenol  
 Concen: 81.037 ng  
 RT: 5.51 min Scan# 582  
 Delta R.T. 0.01 min  
 Lab File: BF116539.D  
 Acq: 25 Aug 2019 18:30



Tgt Ion	Resp	Lower	Upper
112	699537		
112	100		
64	55.0	46.3	69.5
63	29.3	24.2	36.4





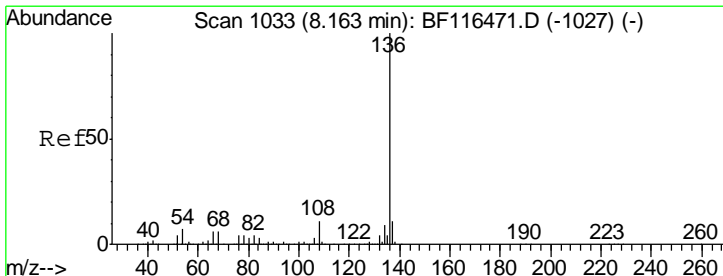
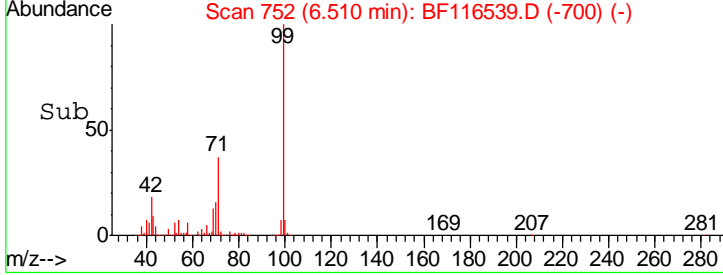
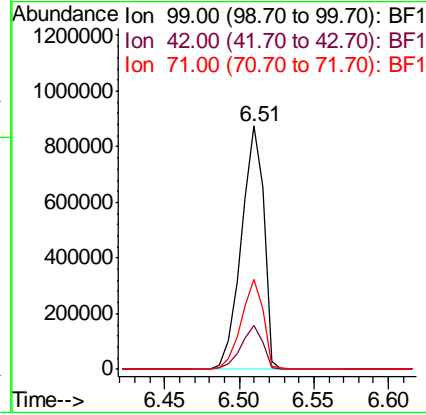
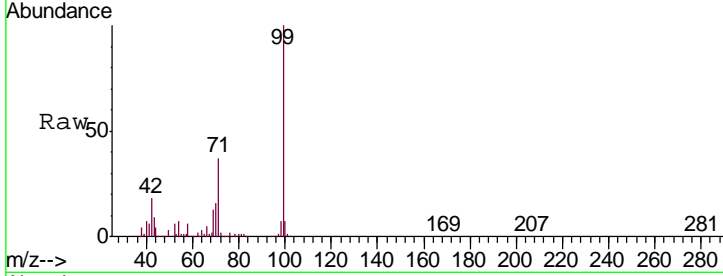
#7  
 Phenol-d6  
 Concen: 87.303 ng  
 RT: 6.51 min Scan# 752  
 Delta R.T. 0.01 min  
 Lab File: BF116539.D  
 Acq: 25 Aug 2019 18:30

**Instrument :**  
 BNA\_F  
**ClientSampled :**  
 T8-B-(0-2)RE

Tgt Ion	Resp	Lower	Upper
99	100		
42	18.2	14.6	21.8
71	36.7	28.5	42.7

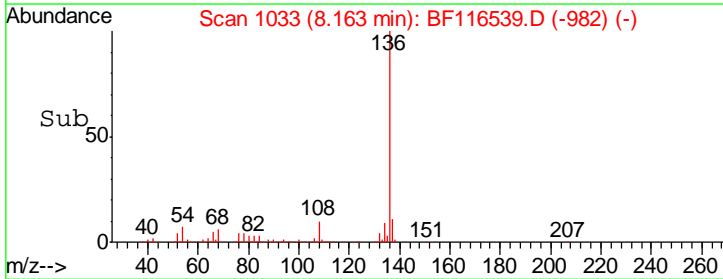
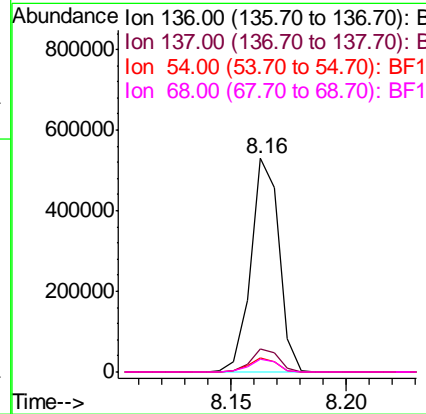
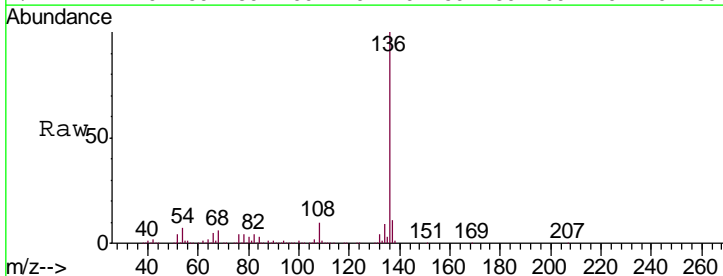
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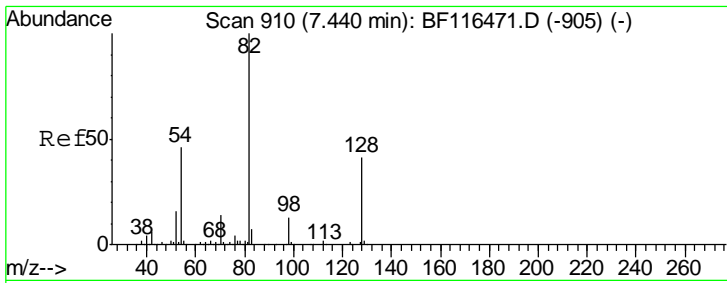
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#21  
 Naphthalene-d8  
 Concen: 20.000 ng  
 RT: 8.16 min Scan# 1033  
 Delta R.T. -0.00 min  
 Lab File: BF116539.D  
 Acq: 25 Aug 2019 18:30

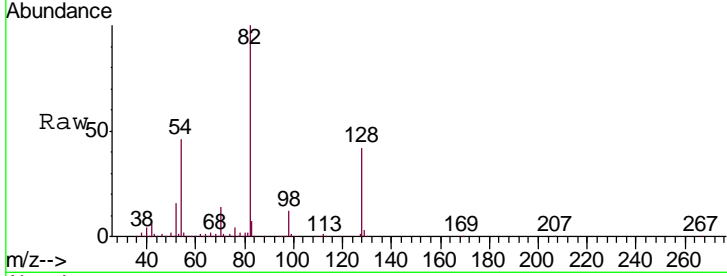
Tgt Ion	Resp	Lower	Upper
136	100		
137	11.0	9.0	13.4
54	6.9	5.8	8.6
68	6.0	5.1	7.7





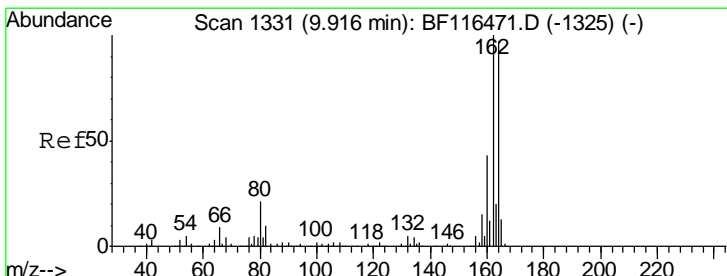
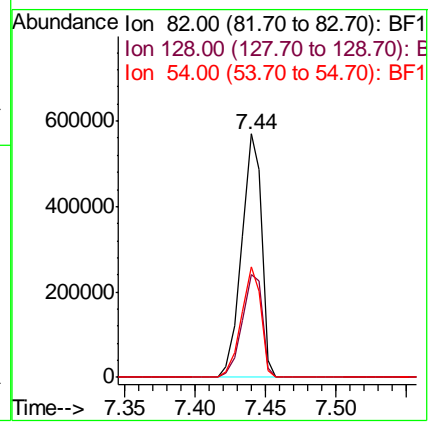
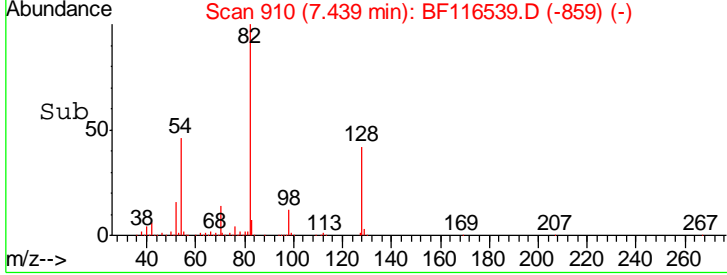
#23  
 Nitrobenzene-d5  
 Concen: 67.408 ng  
 RT: 7.44 min Scan# 910  
 Delta R.T. -0.00 min  
 Lab File: BF116539.D  
 Acq: 25 Aug 2019 18:30

**Instrument :**  
 BNA\_F  
**ClientSampled :**  
 T8-B-(0-2)RE

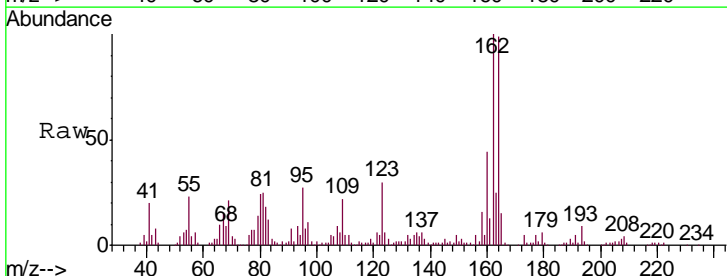


Tgt Ion	Resp	Lower	Upper
82	100		
128	42.3	32.2	48.4
54	45.5	36.5	54.7

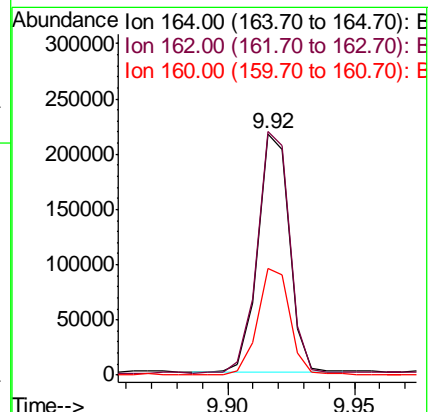
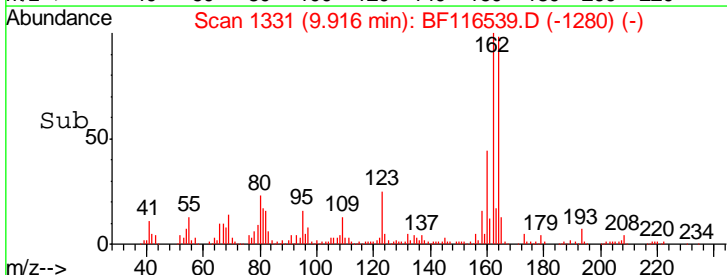
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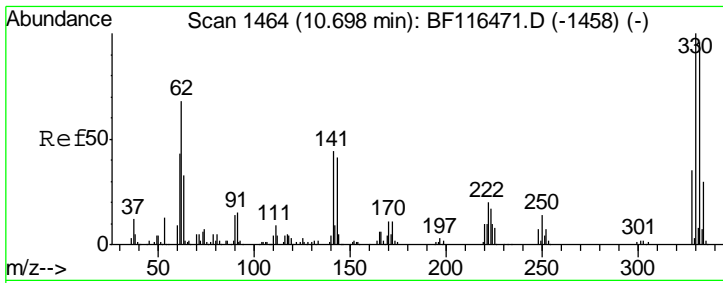


#39  
 Acenaphthene-d10  
 Concen: 20.000 ng  
 RT: 9.92 min Scan# 1331  
 Delta R.T. -0.00 min  
 Lab File: BF116539.D  
 Acq: 25 Aug 2019 18:30



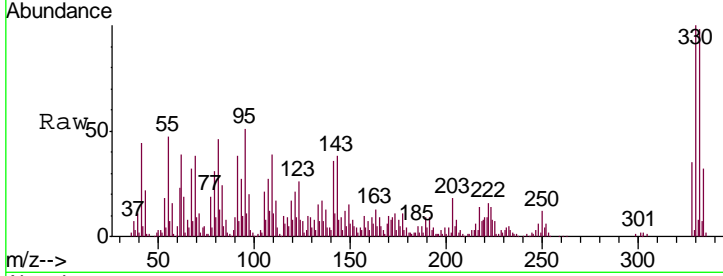
Tgt Ion	Resp	Lower	Upper
164	100		
162	100.9	82.6	123.8
160	44.0	35.8	53.8





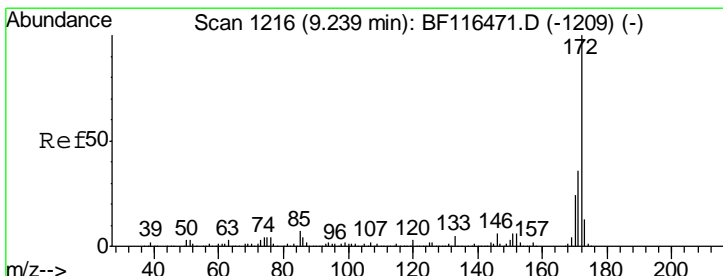
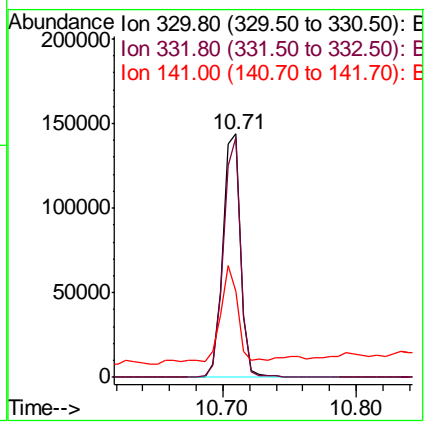
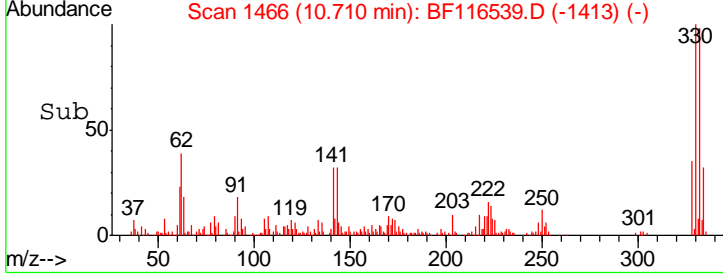
#42  
 2,4,6-Tribromophenol  
 Concen: 83.947 ng  
 RT: 10.71 min Scan# 1466  
 Delta R.T. 0.01 min  
 Lab File: BF116539.D  
 Acq: 25 Aug 2019 18:30

Instrument :  
 BNA\_F  
 ClientSampled :  
 T8-B-(0-2)RE

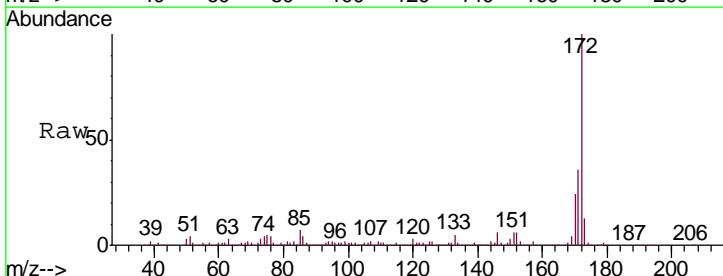


Tgt Ion	Resp	Lower	Upper
330	100		
332	95.4	77.2	115.8
141	36.4	33.3	49.9

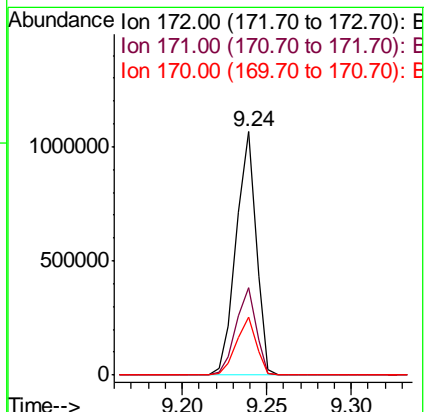
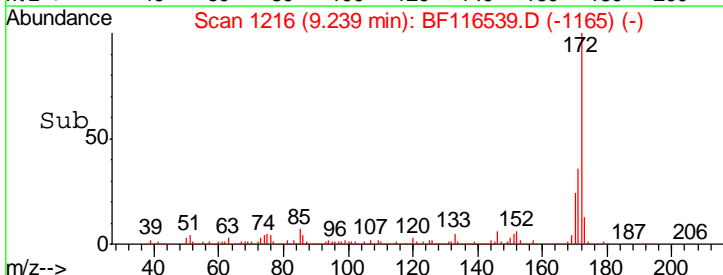
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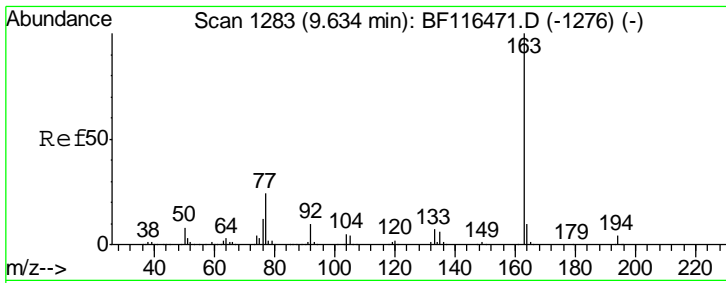


#45  
 2-Fluorobiphenyl  
 Concen: 75.084 ng  
 RT: 9.24 min Scan# 1216  
 Delta R.T. -0.00 min  
 Lab File: BF116539.D  
 Acq: 25 Aug 2019 18:30



Tgt Ion	Resp	Lower	Upper
172	100		
171	35.7	28.9	43.3
170	23.6	19.4	29.0





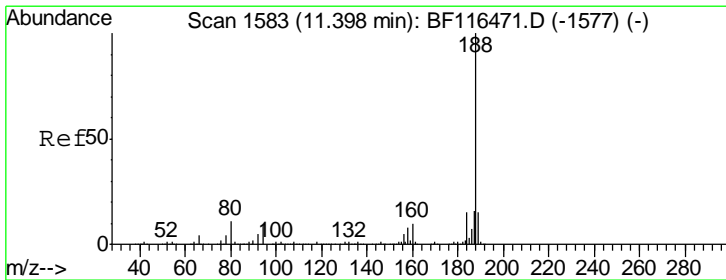
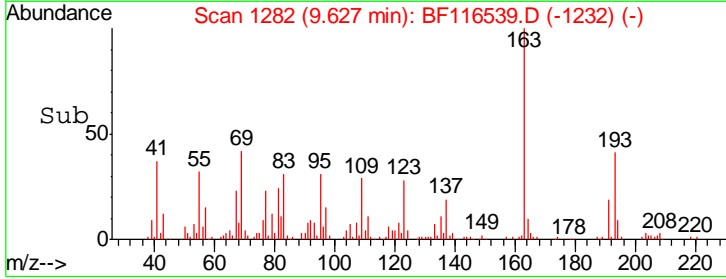
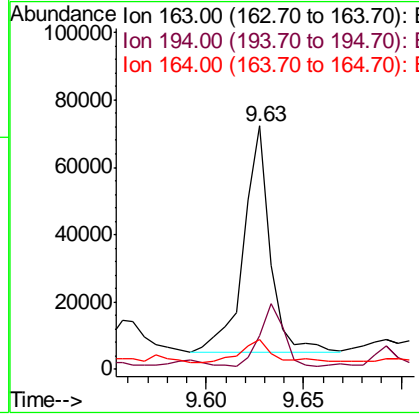
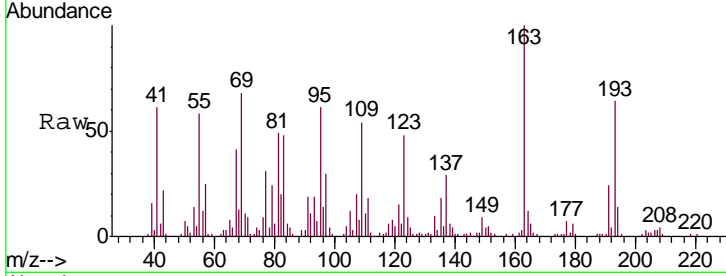
#50  
 Dimethylphthalate  
 Concen: 4.753 ng  
 RT: 9.63 min Scan# 1282  
 Delta R.T. -0.01 min  
 Lab File: BF116539.D  
 Acq: 25 Aug 2019 18:30

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 BNA\_F  
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 T8-B-(0-2)RE

Tgt Ion	Resp	Lower	Upper
163	62620		
194	13.8	2.9	4.3#
164	12.1	8.2	12.2

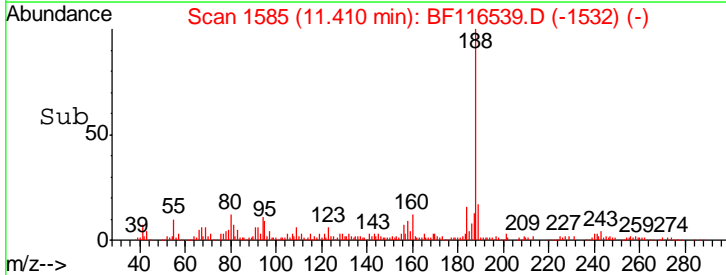
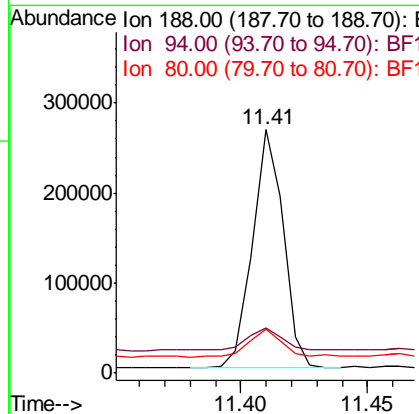
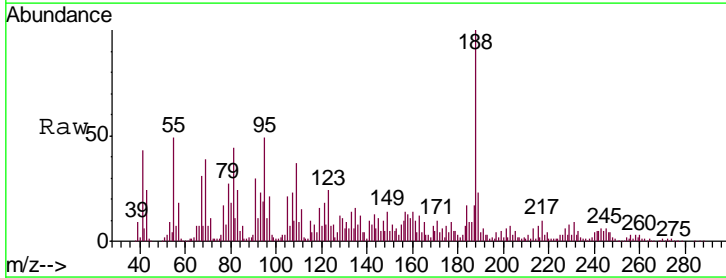
Manual Integrations  
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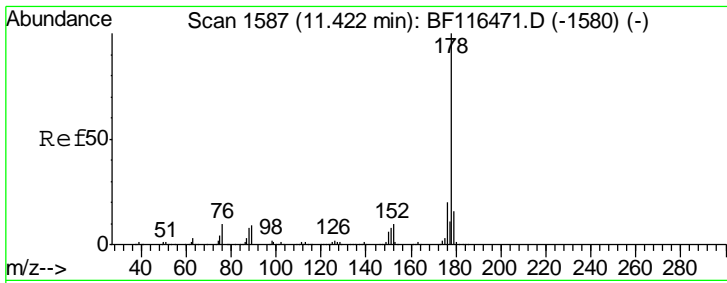
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#64  
 Phenanthrene-d10  
 Concen: 20.000 ng  
 RT: 11.41 min Scan# 1585  
 Delta R.T. 0.01 min  
 Lab File: BF116539.D  
 Acq: 25 Aug 2019 18:30

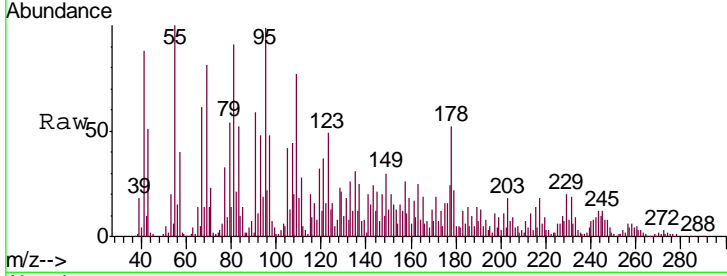
Tgt Ion	Resp	Lower	Upper
188	225292		
94	18.8	7.4	11.2#
80	17.8	8.6	12.8#





#71  
 Phenanthrene  
 Concen: 4.077 ng  
 RT: 11.43 min Scan# 1589  
 Delta R.T. 0.01 min  
 Lab File: BF116539.D  
 Acq: 25 Aug 2019 18:30

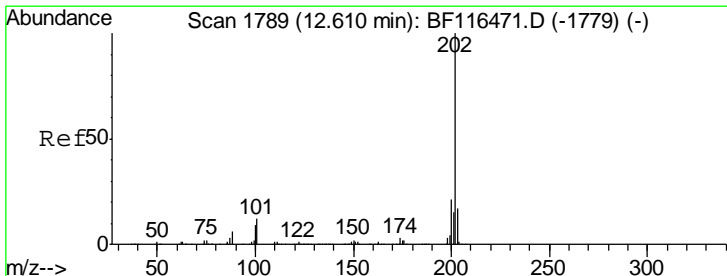
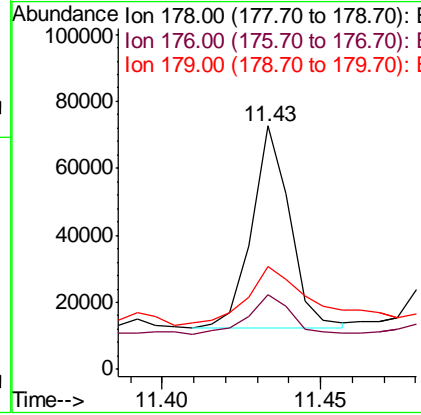
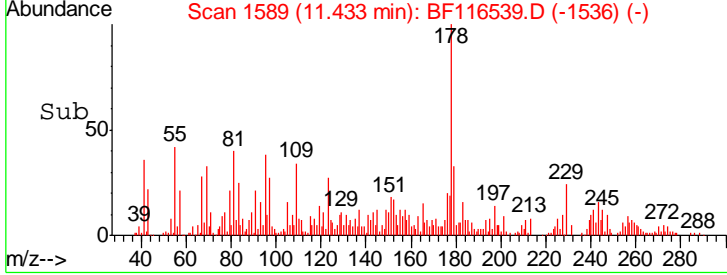
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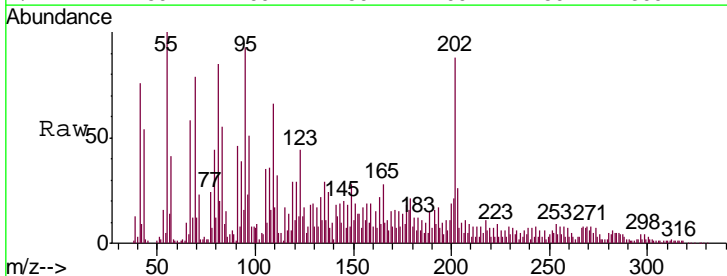
Tgt Ion	Resp	Lower	Upper
178	50041		
176	30.5	15.8	23.6#
179	42.2	12.8	19.2#

**Manual Integrations**  
**APPROVED**

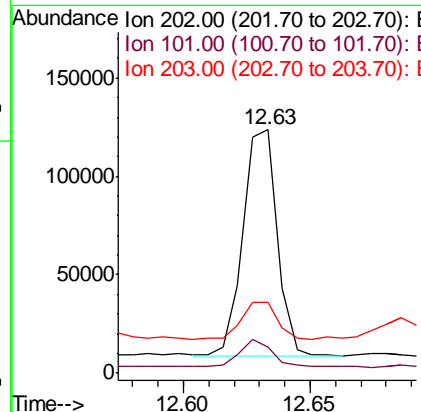
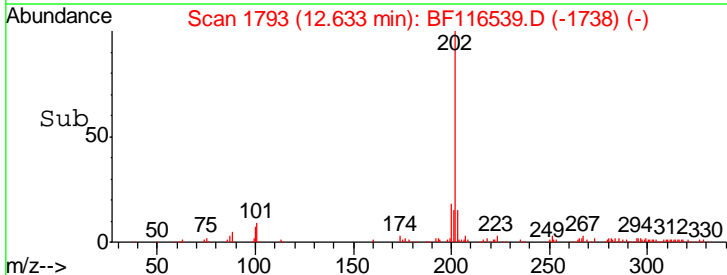
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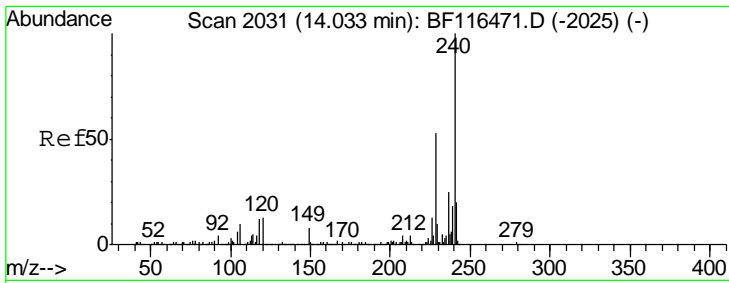
#75  
 Fluoranthene  
 Concen: 8.418 ng  
 RT: 12.63 min Scan# 1793  
 Delta R.T. 0.02 min  
 Lab File: BF116539.D  
 Acq: 25 Aug 2019 18:30



Tgt Ion	Resp	Lower	Upper
202	106813		
101	10.5	0.0	31.5
203	29.3	0.0	37.5

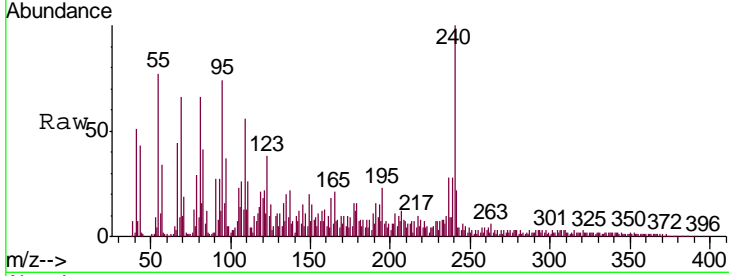






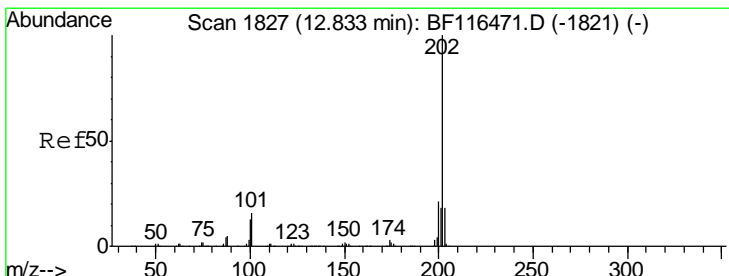
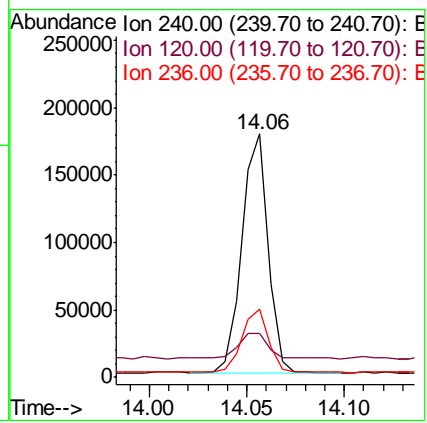
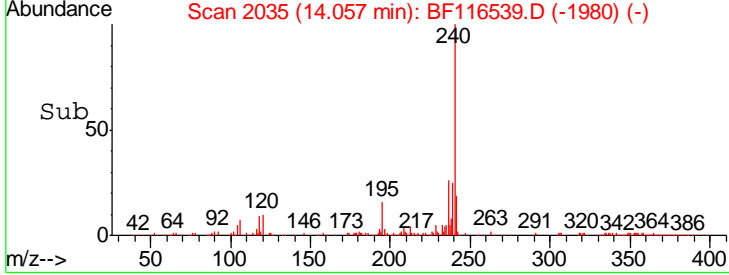
#76  
 Chrysene-d12  
 Concen: 20.000 ng  
 RT: 14.06 min Scan# 2035  
 Delta R.T. 0.02 min  
 Lab File: BF116539.D  
 Acq: 25 Aug 2019 18:30

**Instrument :**  
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 T8-B-(0-2)RE

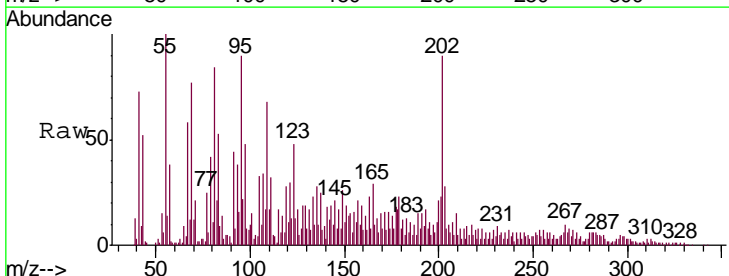


Tgt Ion	Resp	Lower	Upper
240	100		
120	17.9	10.5	15.7#
236	27.9	20.2	30.2

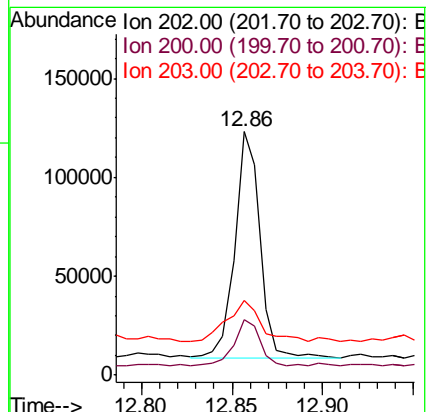
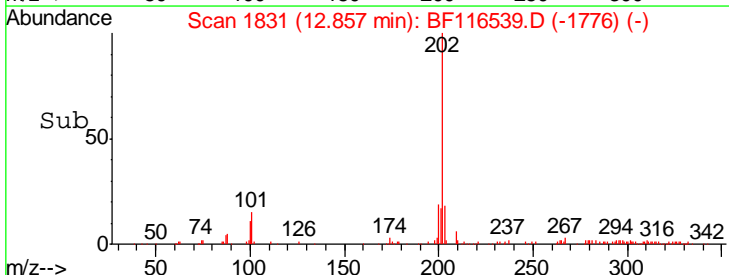
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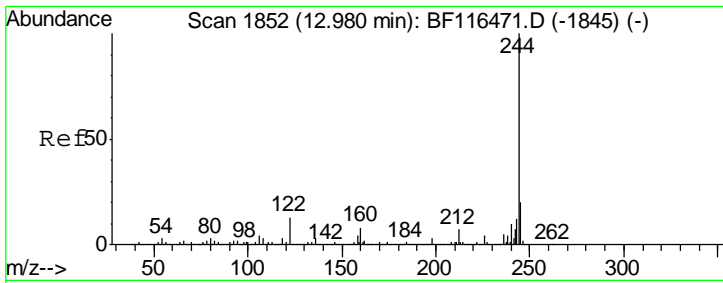


#78  
 Pyrene  
 Concen: 8.265 ng  
 RT: 12.86 min Scan# 1831  
 Delta R.T. 0.02 min  
 Lab File: BF116539.D  
 Acq: 25 Aug 2019 18:30



Tgt Ion	Resp	Lower	Upper
202	100		
200	23.0	17.0	25.4
203	30.8	14.2	21.4#





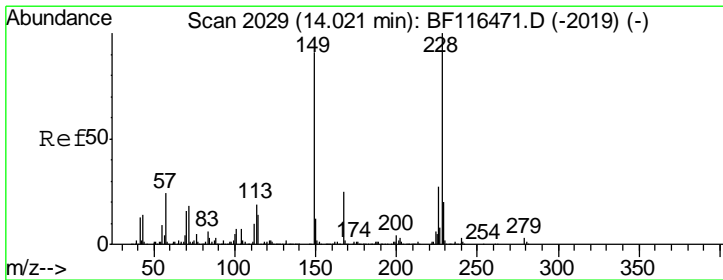
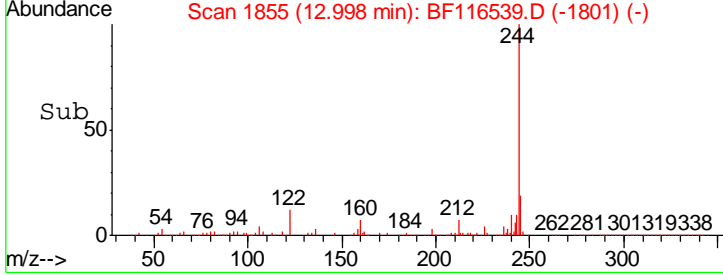
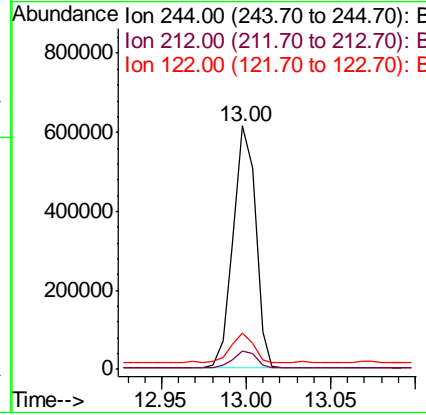
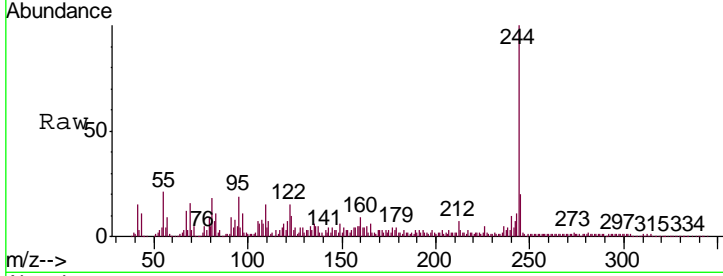
#79  
 Terphenyl-d14  
 Concen: 64.112 ng  
 RT: 13.00 min Scan# 1855  
 Delta R.T. 0.02 min  
 Lab File: BF116539.D  
 Acq: 25 Aug 2019 18:30

Instrument :  
 BNA\_F  
 ClientSampled :  
 T8-B-(0-2)RE

Tgt Ion	Resp	Lower	Upper
244	100		
212	7.3	5.7	8.5
122	15.0	10.2	15.4

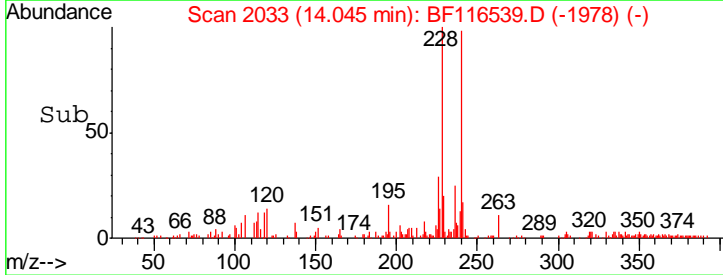
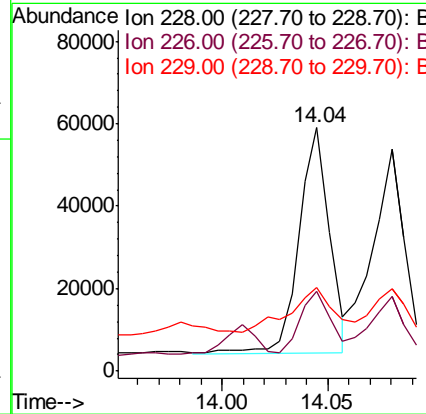
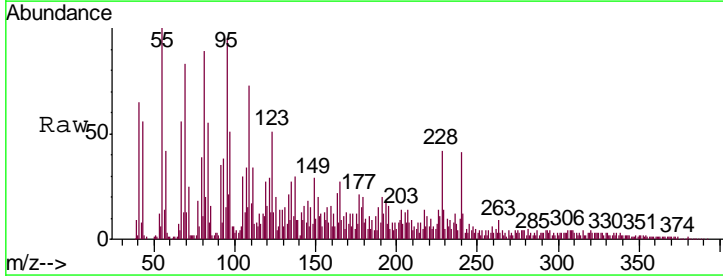
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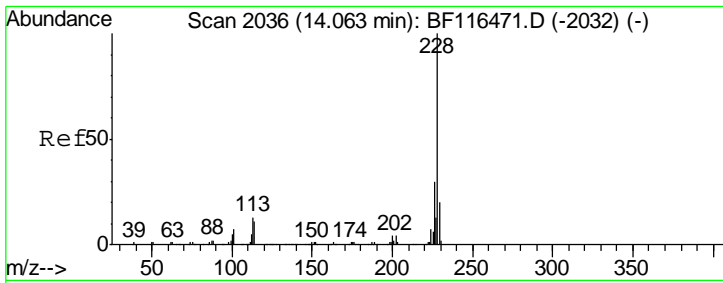
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#81  
 Benzo(a)anthracene  
 Concen: 5.153 ng  
 RT: 14.04 min Scan# 2033  
 Delta R.T. 0.02 min  
 Lab File: BF116539.D  
 Acq: 25 Aug 2019 18:30

Tgt Ion	Resp	Lower	Upper
228	100		
226	32.9	21.8	32.6#
229	34.1	15.9	23.9#



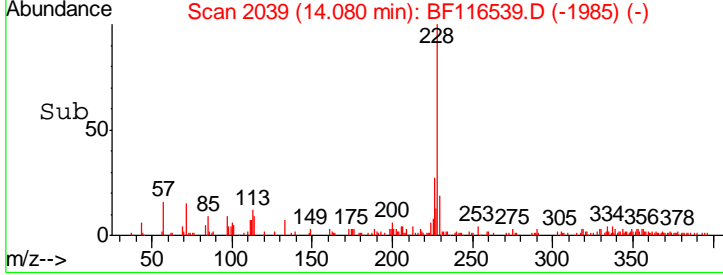
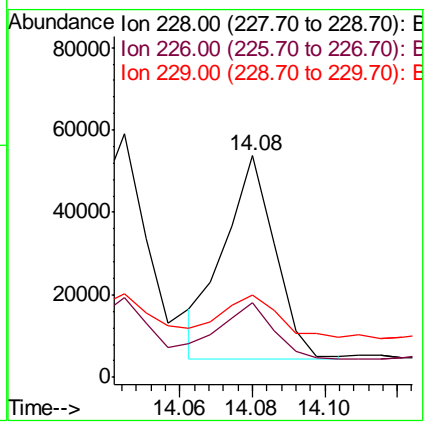
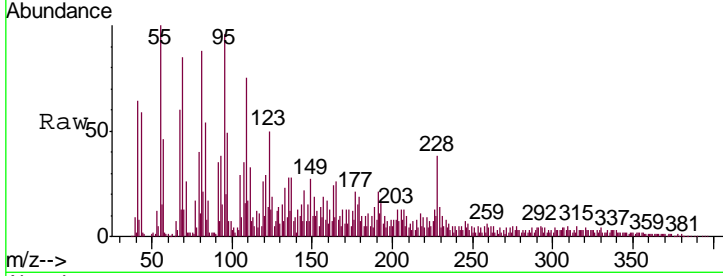


#83  
 Chrysene  
 Concen: 4.429 ng  
 RT: 14.08 min Scan# 2039  
 Delta R.T. 0.02 min  
 Lab File: BF116539.D  
 Acq: 25 Aug 2019 18:30

Instrument :  
 BNA\_F  
 Client Sampled :  
 T8-B-(0-2)RE

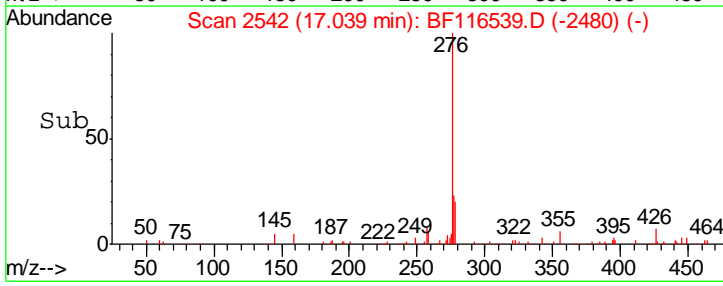
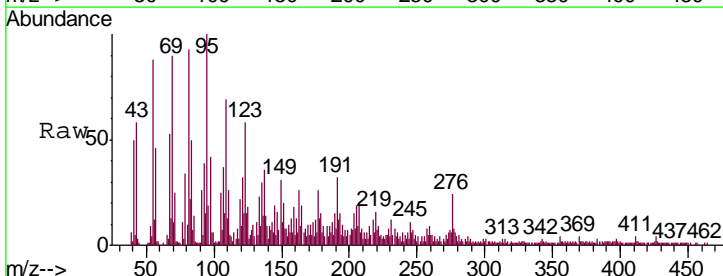
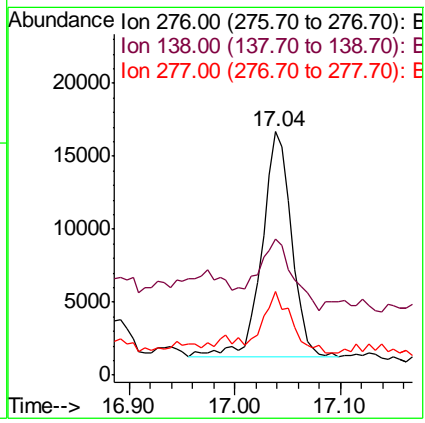
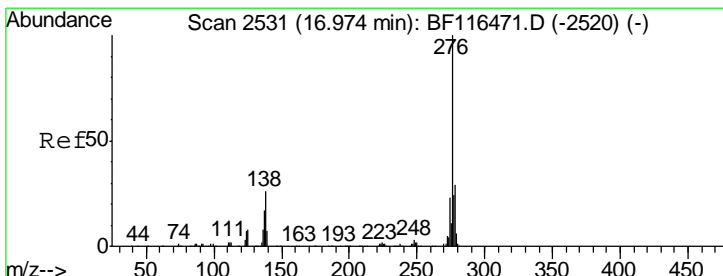
Tgt Ion	Resp	Lower	Upper
228	48176		
226	33.6	24.2	36.2
229	37.0	15.8	23.6

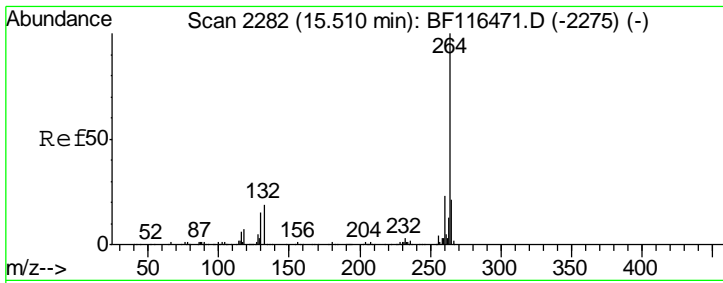
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#86  
 Indeno(1,2,3-cd)pyrene  
 Concen: 3.235 ng  
 RT: 17.04 min Scan# 2542  
 Delta R.T. 0.06 min  
 Lab File: BF116539.D  
 Acq: 25 Aug 2019 18:30

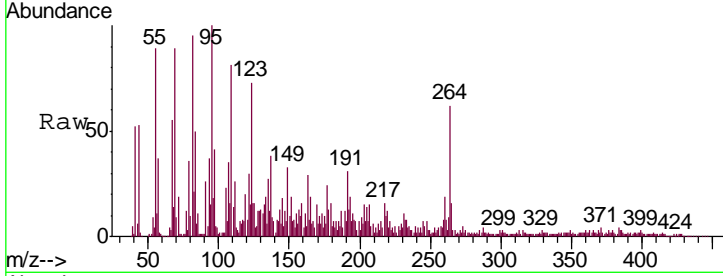
Tgt Ion	Resp	Lower	Upper
276	30136		
138	36.1	22.9	34.3
277	25.9	19.9	29.9





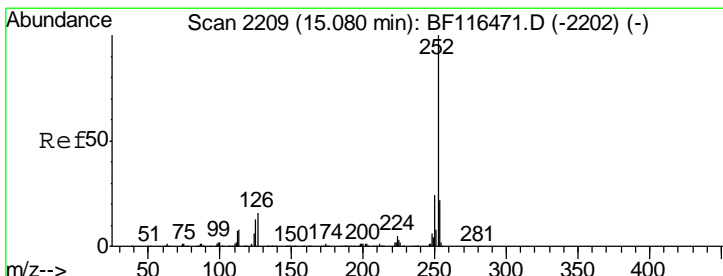
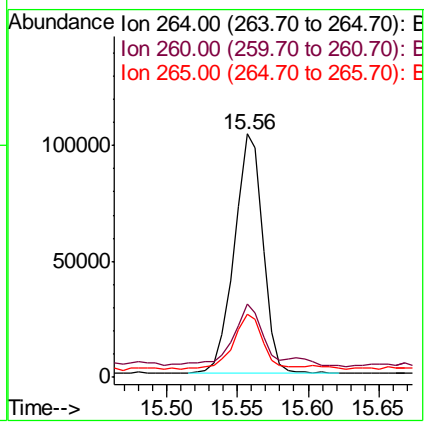
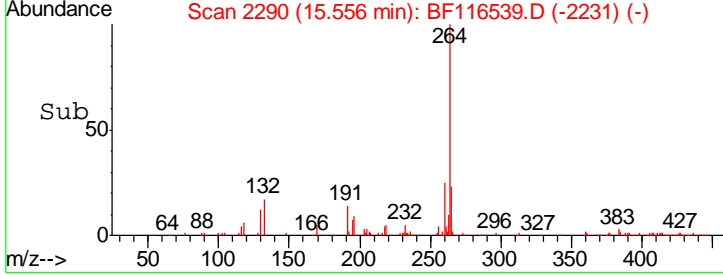
#87  
 Perylene-d12  
 Concen: 20.000 ng  
 RT: 15.56 min Scan# 2290  
 Delta R.T. 0.05 min  
 Lab File: BF116539.D  
 Acq: 25 Aug 2019 18:30

**Instrument :**  
 BNA\_F  
**ClientSampled :**  
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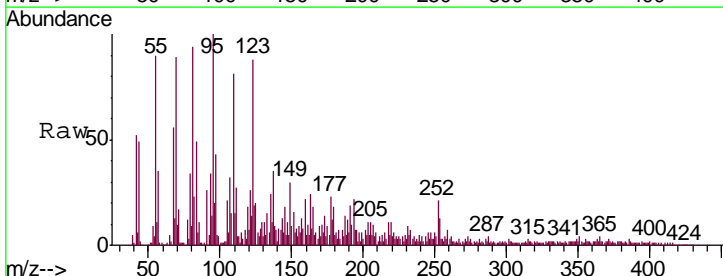


Tgt Ion	Resp	Lower	Upper
264	100		
260	30.4	18.8	28.2#
265	26.2	17.1	25.7#

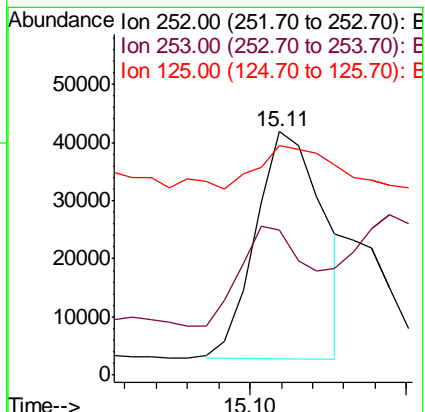
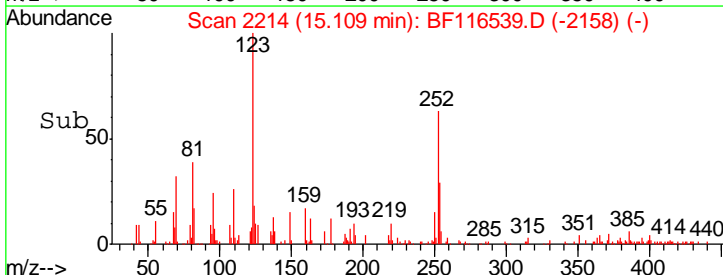
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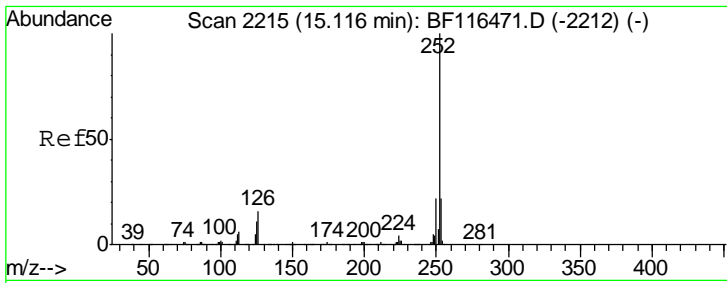


#88  
 Benzo(b)fluoranthene  
 Concen: 6.520 ng m  
 RT: 15.11 min Scan# 2214  
 Delta R.T. 0.03 min  
 Lab File: BF116539.D  
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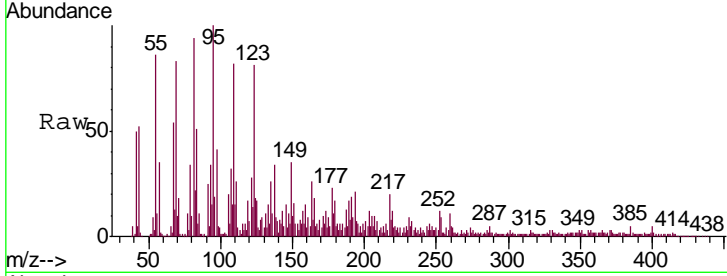
Tgt Ion	Resp	Lower	Upper
252	100		
253	59.8	17.5	26.3#
125	94.3	10.1	15.1#





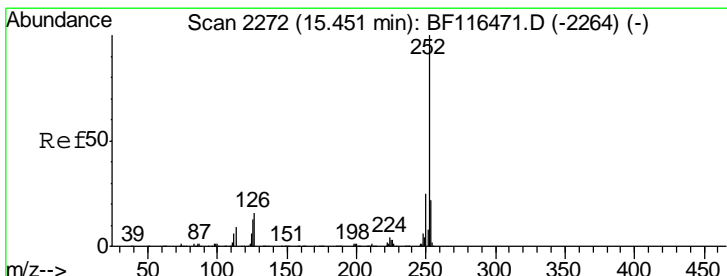
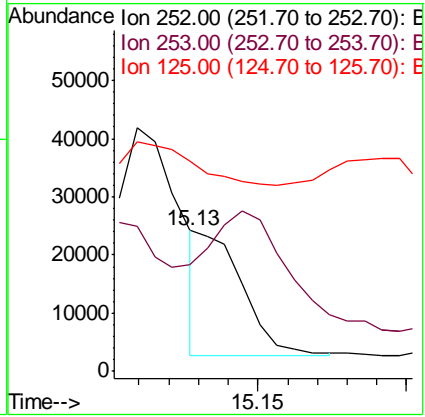
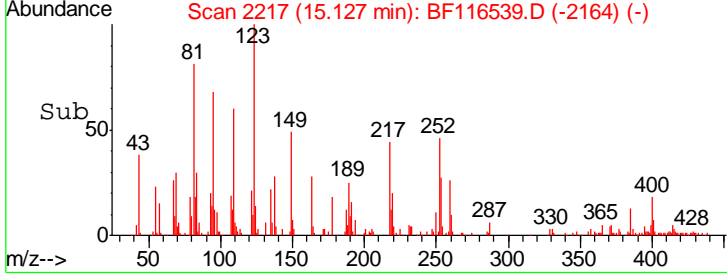
#89  
 Benzo(k)fluoranthene  
 Concen: 2.617 ng m  
 RT: 15.13 min Scan# 2217  
 Delta R.T. 0.01 min  
 Lab File: BF116539.D  
 Acq: 25 Aug 2019 18:30

Instrument :  
 BNA\_F  
 ClientSampled :  
 T8-B-(0-2)RE

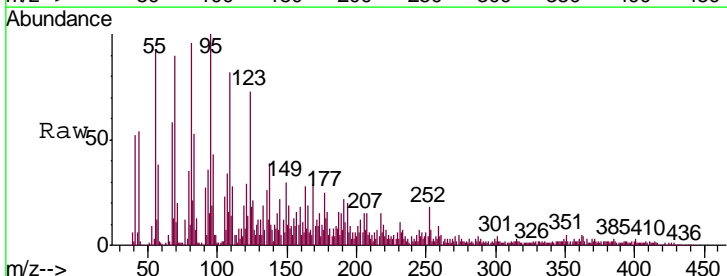


Tgt Ion	Resp	Lower	Upper
252	100		
253	75.2	17.4	26.2#
125	149.2	9.1	13.7#

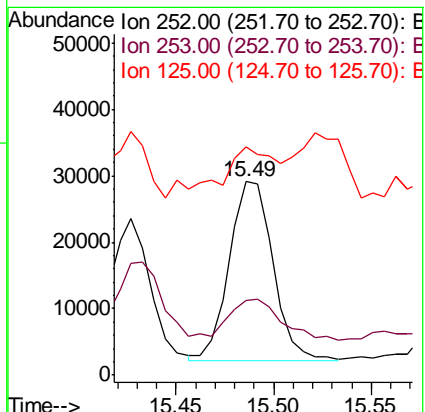
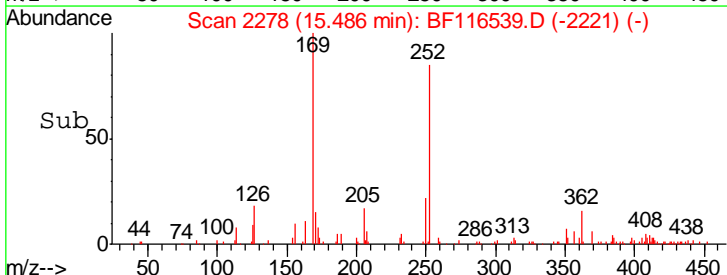
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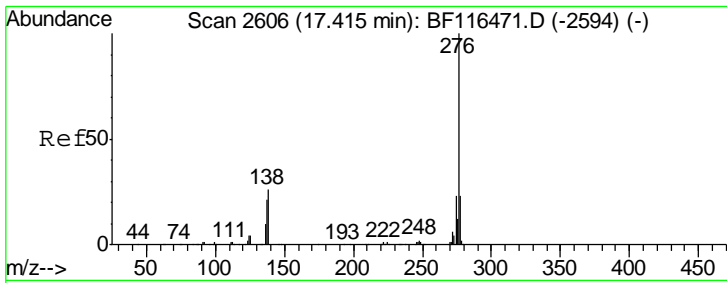


#90  
 Benzo(a)pyrene  
 Concen: 5.205 ng  
 RT: 15.49 min Scan# 2278  
 Delta R.T. 0.04 min  
 Lab File: BF116539.D  
 Acq: 25 Aug 2019 18:30



Tgt Ion	Resp	Lower	Upper
252	100		
253	38.3	17.2	25.8#
125	118.1	10.2	15.4#





#92  
 Benzo(a,h,i)perylene  
 Concen: 4.871 ng  
 RT: 17.49 min Scan# 2618  
 Delta R.T. 0.07 min  
 Lab File: BF116539.D  
 Acq: 25 Aug 2019 18:30

**Instrument :**  
 BNA\_F  
**ClientSampled :**  
 T8-B-(0-2)RE

Tot Ion	Resp	Lower	Upper
276	30514		
277	31.9	18.7	28.1#
138	44.0	20.8	31.2#

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